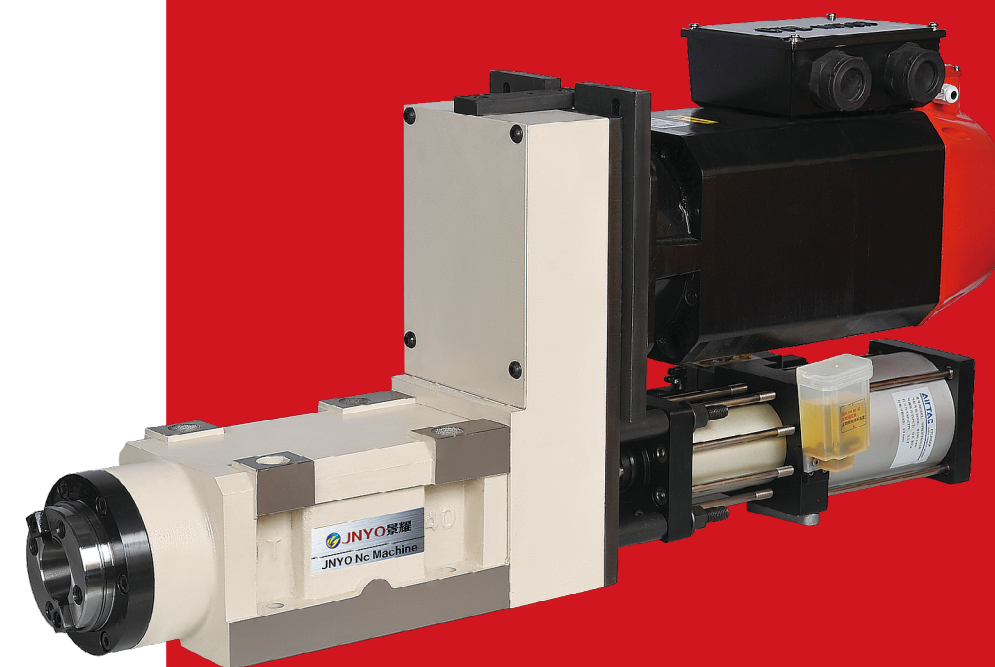


中国机床工具工业协会 组合机床分会理事单位



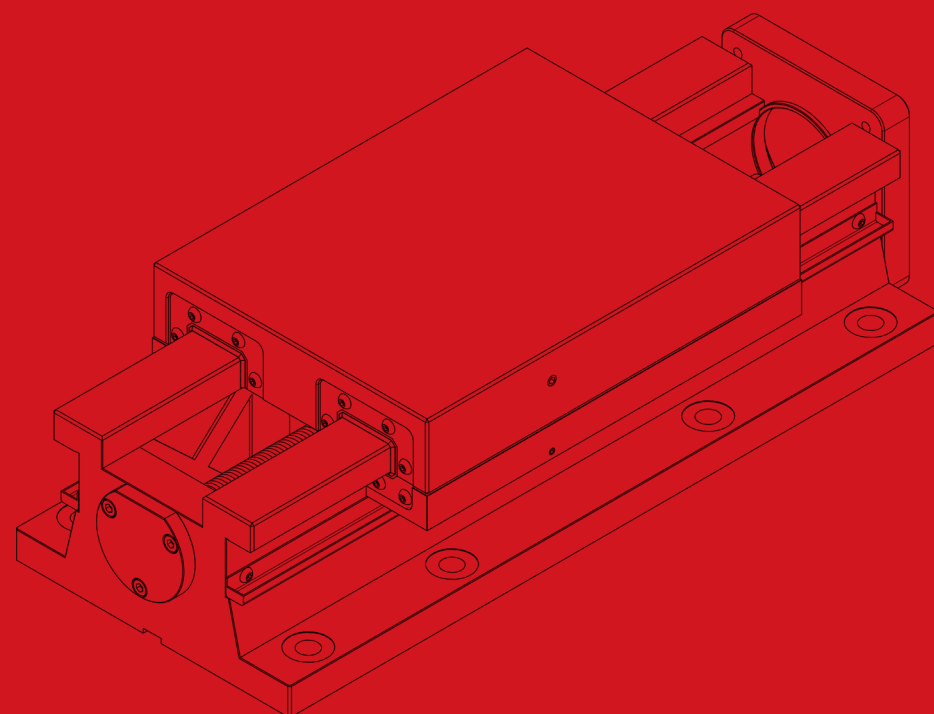
主轴动力头 & 数控滑台
Tapping Power Head&CNC Sliding table

智能制造 & 模块化组合
Aggregation Of Units And Modules



2021
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微信公共订阅号

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浙江景耀数控科技有限公司
ZHEJIANG JING YAO NUMERICAL CONTROL TECHNOLOGY CO., LTD.

企业简介 Company profile



本公司专业研制、生产精密功能部件（电主轴、精密镗铣动力头、数控硬轨 / 线轨滑台、U 轴展刀头）等系列产品，并研制数控机床、非标定制。根据各行业的产品生产特性提供模块化组合设计、智能制造方案，有效提高生产能力，提升产品品质！

生产的产品均采用立式、卧式加工中心生产，三维检测仪检测，主要部件经热处理后进行硬度检测。产品加工精度高，传动轻松，外表美观，设计合理。生产的产品广泛用于生产汽车零部件、发动机部件、农业机械、工程机械、纺织机械、水暖配件、管道配件、化工设备配件、军工、模具等行业。

产品自投放市场以来，深受国内外广大客户的一致好评。

本厂代理并销售国内外名牌数控控制部分、传动部分、刀（量）具等精密配件。在充分利用周边“中国刀量具市场”、“中国机电五金城”、“台州自动化设备市场”等资源优势的基础上，结合内部技术经验为企业提供线上线下（O₂O）一站式采购平台，并在全中国各大城市设立展示经销处。

Our company specializes in the development and production of precision functional components (motorized spindle, precision boring and milling power head, CNC hard rail/line rail sliding table, U-axis tool head) and other products, and the development of CNC machine tools, non-standard custom. According to the production characteristics of various industries to provide modular combination of design, intelligent manufacturing solutions, effectively improve production capacity, improve product quality!

The products provided by the Jingyao Numerical Control Company are manufactured at the vertical and horizontal machining center and are detected by using three-dimensional detectors. The hardness text shall be made for main parts after thermal treatment. The products have very high machining precision, easy transmission, specious surface and reasonable design. The manufactured product is widely used in the auto parts, engine parts, agricultural machinery, engineering machinery, textile machinery, water heating fittings, pipe fittings, chemical equipment parts, military project and mould manufacturing industry.

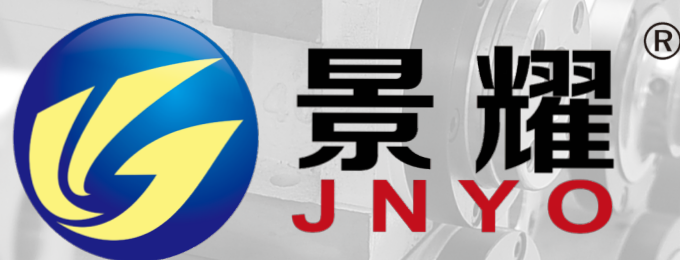
Since the products are put on the market, these products have been highly commended by the domestic and foreign customers.

The company mainly sells the control parts, driving parts, cutting tools (measuring implement) and other precision parts of the domestic and overseas brand. On the basis of the resource superiority of taking full advantage of the "Chinese Cutting Tool and Measuring Implement Market", "Chinese Mechanical and Electrical Hardware City", "Taizhou Automation Equipment Market", and by combination with the internal technology experience, the Company will provide on-line and off-line (O₂O) one-stop purchasing platform and establish the distribution department in the major cities.

Company tenet: creation of value for customer, creation of opportunities for employees, and creation of benefits for the enterprise.

We firmly believe that we will surely be able to open up a new situation where we can get win-win results and the mutual benefits with the new and old customers through unremitting efforts and pursuits.

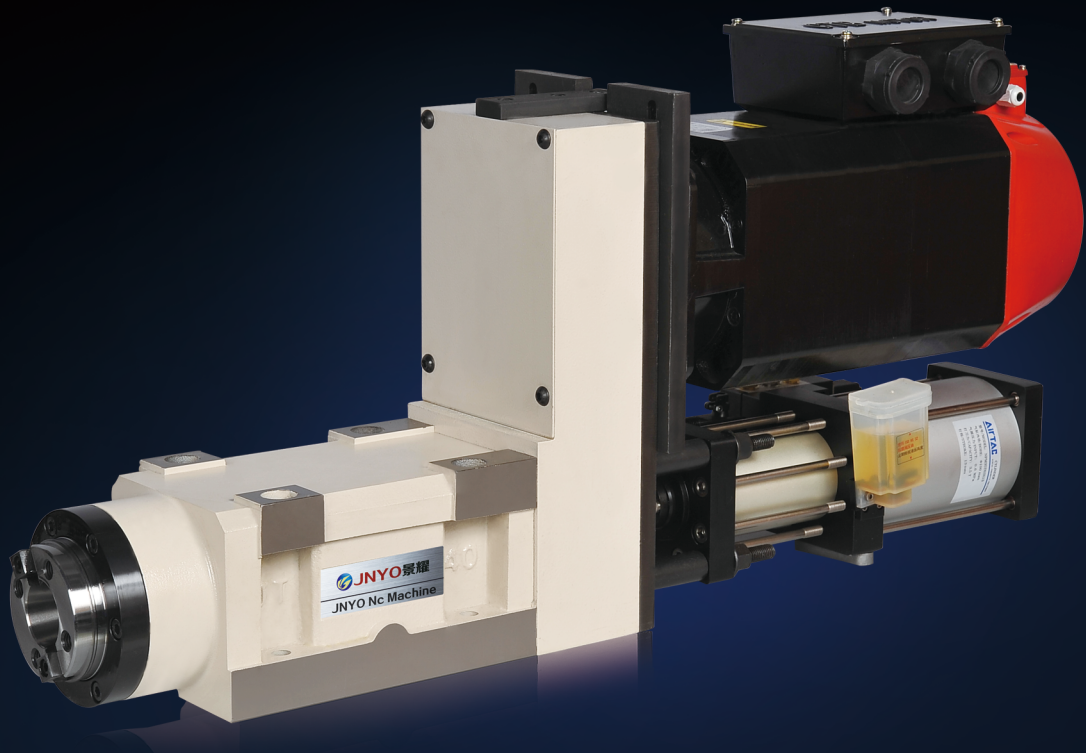
Looking forward to cooperating with you sincerely and creating a brilliant future!



镗铣主轴头 Boring & Milling Head Unit	
XT20	
镗铣主轴头 Boring & Milling Head Unit	01
镗铣主轴头配电机 Boring & Milling Head Unit With The Motor	02
XT30-2	
镗铣主轴头 Boring & Milling Head Unit	03
镗铣主轴头配电机 Boring & Milling Head Unit With The Motor	04
ZG30-2	
滑套进给式钻攻动力头 Sliding Sleeve Feed Type Drilling & Tapping Power Head	05
滑套进给式钻攻动力头配电机 Sliding Sleeve Feed Drilling & Tapping Power Head With Motor	06
XT30-1	
镗铣主轴头 Boring & Milling Head Unit	07
镗铣主轴头配电机 Boring & Milling Head Unit With The Motor	08
XT40-1	
镗铣主轴头 Boring & Milling Head Unit	09
镗铣主轴头配电机 Boring & Milling Head Unit With The Motor	10
镗铣主轴头配变速箱电机 Boring & Milling Spindle Head's Gearbox Motor	11
XT40-2	
镗铣主轴头 Boring & Milling Head Unit	12
镗铣主轴头配电机 Boring & Milling Head Unit With The Motor	13
镗铣主轴头配变速箱电机 Boring & Milling Spindle Head's Gearbox Motor	14
镗铣主轴头加强型 Enhanced Boring & Milling Spindle Head	15
镗铣主轴头配变速箱电机 + 自动换刀 Boring & Milling Spindle Head's Gearbox Motor+ATC	16
镗铣主轴头配电机 + 自动换刀 Boring & Milling Head Unit With The Motor+ATC	17
镗铣主轴头配电机 + 自动换刀 + 中心出水 Boring & Milling Head Unit With The Motor+ATC +CTS	18
伺服展刀动力头 Facing Spindle Head Unit-Servo Type	19
XT40-2-BT40-DC	
后置式电主轴 Bear Mounted Motorized Spindle	20
XT50-2	
镗铣主轴头 Boring & Milling Head Unit	21
镗铣主轴头配电机 Boring & Milling Head Unit With The Motor	22
镗铣主轴头配电机 + 自动换刀 Boring & Milling Head Unit With The Motor+ATC	23
镗铣主轴头配电机 + 自动换刀 + 中心出水 Boring & Milling Head Unit With The Motor+ATC +CTS	24
伺服展刀动力头 Facing Spindle Head Unit-Servo Type	25
XT50-2-BT50-DC	
后置式电主轴 Bear Mounted Motorized Spindle	26
XT60-1&2	
镗铣主轴头 Boring & Milling Head Unit	27
镗铣主轴头配电机 Boring & Milling Head Unit With The Motor	28
镗铣主轴头配电机 + 自动换刀 Boring & Milling Head Unit With The Motor+ATC	29
镗铣主轴头配电机 + 自动换刀 + 中心出水 Boring & Milling Head Unit With The Motor+ATC +CTS	30
FA-408/620/830 FD840 SFA-2015	
展刀头系列 Spreading Head Series	31~35
模块化组合案例 Modular combination case	36
数控线轨滑台 CNC Linear Guideway Sliding Table	
LRS180 LRS200 LRS250 LRS300 LRS420 LRS500	
数控线轨滑台 CNC Linear Guideway Sliding Table	38~40
VRS160 VRS250H VRS250 VRS270 VRS360 VRS420	
数控立式线轨滑台 NC Vertical Line Rail Slider	41~43
WRS400 WRS500	
卧加立式滑台 Horizontal And Vertical Slide Table	44
CRS220 CRS300	
数控十字线轨滑台 NC Cross Rail Slide	45
特殊规格定制 Special Specifications For Customized	46
数控硬轨矩形滑台 CNC Hard Guideway Rectangle Sliding Table	
URS220 URS250 URS300 URS360 URS420 URS500	
数控硬轨滑台 NC Hard Rail Slide	48~50
HRS250 HRS360 HRS500	
数控立式硬轨滑台 NC Vertical Hard Rail Slider	51~52
DS200 DS250	
燕尾滑台 Swallowtail Sliding Table	52
BRS300 BRS500	
数控十字硬轨滑台 NC Cross Hard Rail Sliding Table	53~54
配套件 Matching Kit	
	55~58



镗铣主轴头 Boring & Milling Head Unit

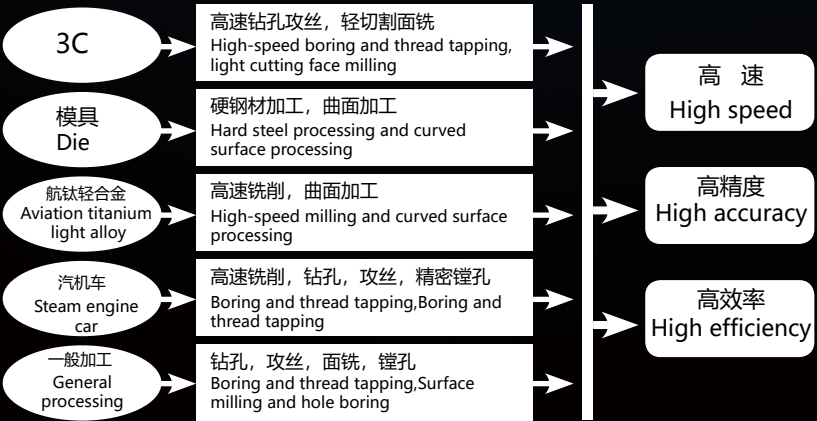


镗铣主轴头可选配多种主轴形式，应用到镗、铣、钻、攻、铰、磨等多个加工场合。镗铣主轴头适合安装于各种组合机床生产线、普通机床改造及复合中心机使用。产品加工精度高，传动更轻松，外表更美观，设计更合理。

The spindle head of boring and milling can match with several types of spindle and can be applied in several processing conditions, including boring, milling, drilling, tapping, twisting, grinding, etc. The spindle head of boring and milling can be installed on various machine production lines, common machine reformation and combination center machine. The accuracy of processed products is high, the transmission is easier, the appearance is more beautiful and the design is more scientific.

特 点 Characteristics

- 主轴承采用动密封非接触式多重迷宫防水结构设计，防止生产加工中切削液或灰尘、切屑等异物的外部侵入，保证轴承不受污染，确保轴承的寿命及精度。
Dynamic sealing non-touching multi-maze waterproof structure is adopted in the design of spindle head to prevent the external impurity of cutting fluid or dust, cutting scraps, etc. during production and processing, protect the bearing from contamination and assure the service lifespan and accuracy of the bearing.
- 主轴承后端可配置中心出水旋转接头，广泛应用到深孔钻削、高速铣削等领域。
Central water outtake rotating joint can be equipped at the end of the spindle, which can be widely used in deep hole cutting, and high-speed milling, etc.
- 主轴承真圆度 $\leq 0.004\text{mm}$ ，易于实现高速化，动态 / 静态精度高，稳定性更好。
The real roundness of the spindle head $\leq 0.004\text{mm}$, which is easy for high-speed operation, high dynamic-static accuracy and good stability.
- 主轴承采用标准合金钢材料，经锻打、多次热处理、多次粗加工定形、再精加工，最终精密磨削等标准工艺制造。保证了主轴的耐用度和精度。
Standard alloy steel material is used for the spindle and goes through the standard technology procedures, including hammering, several rounds of thermal treatment, several rounds of rough processing and finishing, re-finish machining, final finish grinding and cutting, etc., to assure the durability and accuracy of the spindle.
- 壳体精模高韧铸铁铸造，经人工震动时效及自然双重时效处理；降低应力增加抗变形能力和稳定性。
The housing is cast with accurate die and the cast iron of high toughness and processed by means of manual vibration aging and natural aging to reduce the stress and increase the deformation resistance performance and stability.
- 结构紧凑，机械效率高，噪音低，震动小，精度高。
Compact structure, high mechanical efficiency, low noise, low vibration and high accuracy.
- 运行平稳，没有冲击，使主轴轴承寿命得到延长。
Stable operation, no impact, prolongation of service life of the spindle.

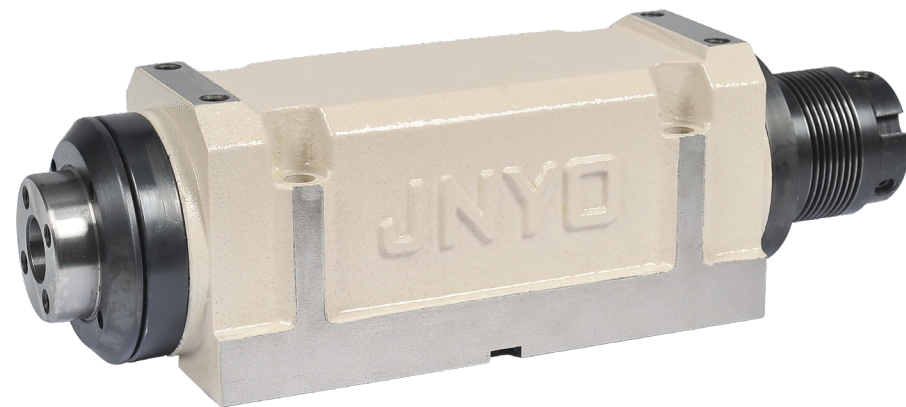


XT20

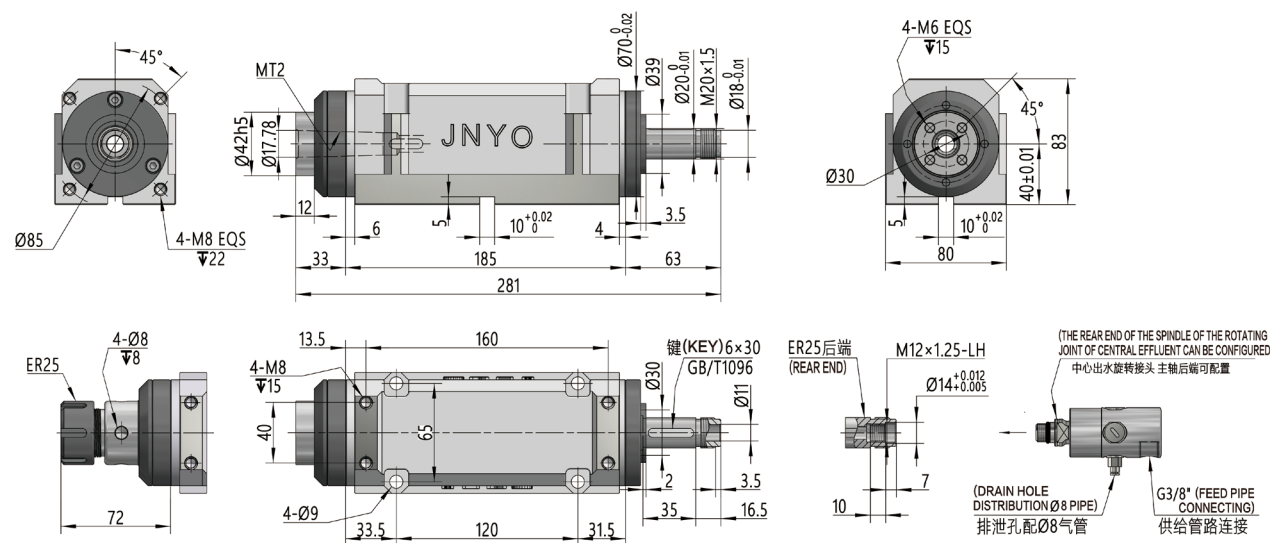
镗铣主轴头 Boring & Milling Head Unit

Made in China Spirit in Global

- XT20-MT2
- XT20-ER25
- 重量: 10KG



- XT20 主轴头主轴形式:
Spindle type of the XT20 spindle head:
- MT2 可直接放置莫氏 2 号带扁尾锥柄。
MT2# taper-shank with flat tail can be directly placed.
- ER25 夹持直柄刀具 $\Phi 1-\Phi 16\text{mm}$ 。
ER25 clamping cutter with straight shank $\Phi 1-\Phi 16\text{mm}$.



产品参数 PRODUCT PARAMETERS

规格	Model	XT20
主轴	Spindle	MT2/ER25
最高转速 (RPM)	Max. Speed(RPM)	8000
轴承	Bearing	7005AC/DB 7005AC/DB
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)
温升	Temperature Rise	$\leq 20^{\circ}\text{C}$
真圆度	Roundness	$\leq 0.004\text{mm}$
最大动力	Max. Power	$\leq 1.5\text{HP}$

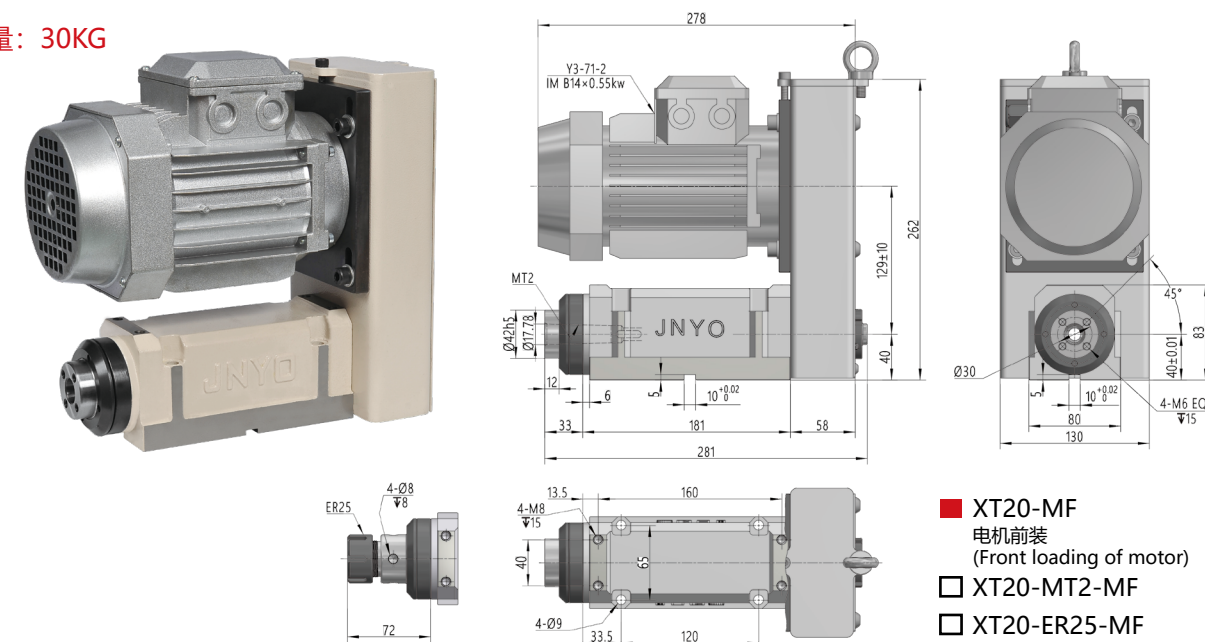
■ 出厂附精度检测表 (Table for accuracy detection is attached while delivery)

◆ 本公司不断进行研发改进更新设计、规格、结构等，恕不另行通知，本表仅供参考，详细与营销部联系 (0576-80235999)

镗铣主轴头配电机 Boring & Milling Head Unit With The Motor



重量: 30KG

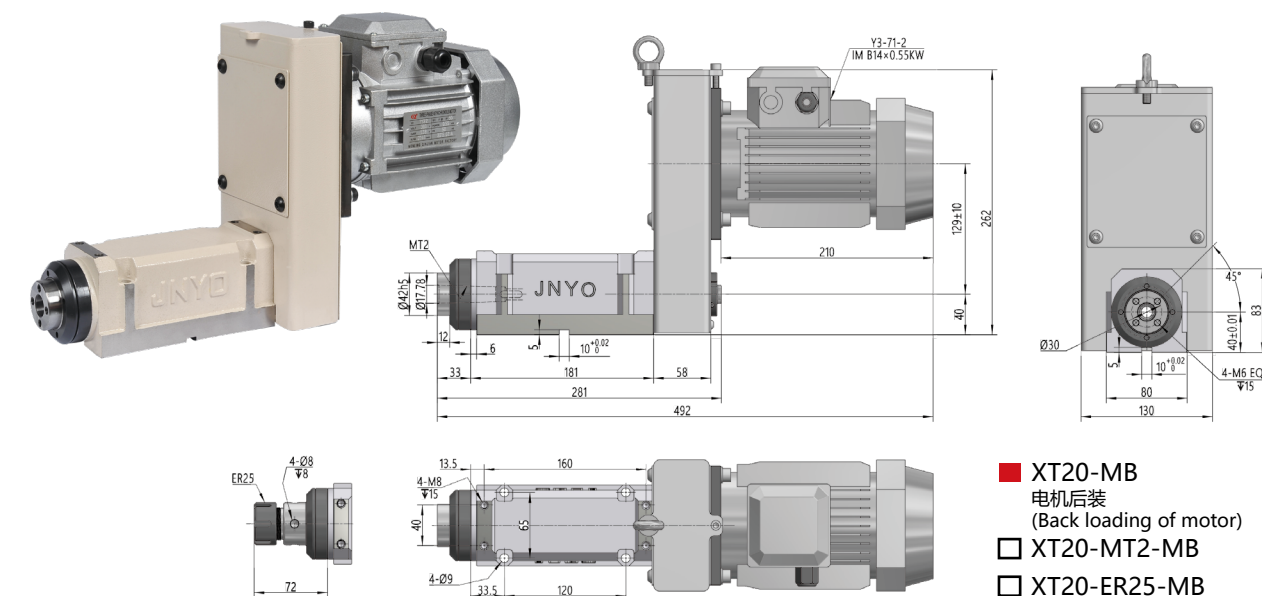


- XT20-MF
电机前装
(Front loading of motor)
- XT20-MT2-MF
- XT20-ER25-MF

产品参数 PRODUCT PARAMETERS

三相异步电机	Three-phase asynchronous motor	0.55KW...1.1KW	2P(3000RPM)/4P(1500RPM)/6P(1000RPM)	
伺服主轴电机	Servo spindle motor	0.55KW...1.1KW	额定转速 (Rated Speed) 3000RPM	最高转速 (Max. Speed) 8000RPM
变频电机	Variable frequency motor	0.55KW...1.1KW	额定频率 (Rated Frequency) 50Hz	最大频率 (Max. Frequency) 80Hz
减速电机	Gear motor	0.55KW...1.1KW	选配 (Optional)	

- ※ 电机功率及转速可根据需求，使用三角带、同步带、多楔带速比配置。
- ※ 可接受特殊规格动力头定制。
- ※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90° / 后装左侧 90° / 后装右侧 90° / 向下前置 / 向下后置。
- ※ The motor power and speed can be configured with speed ratio of triangular belt, synchronous belt and poly V-belt according to the requirement.
- ※ The customization of power head with special specification can be accepted.
- ※ The front loading of left side for 90° / front loading of right side for 90° , back loading of left side for 90° / back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.



- XT20-MB
电机后装
(Back loading of motor)
- XT20-MT2-MB
- XT20-ER25-MB

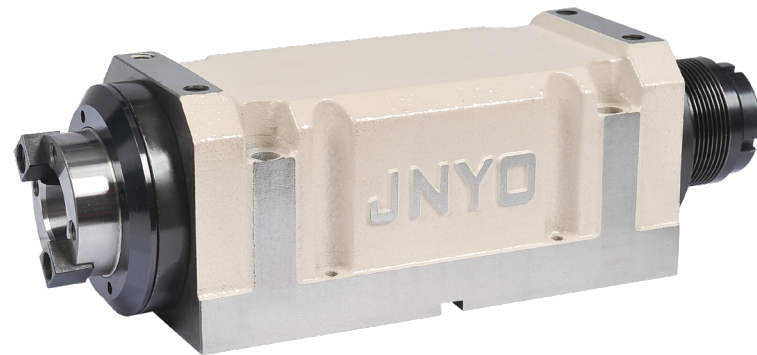
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XT30-2

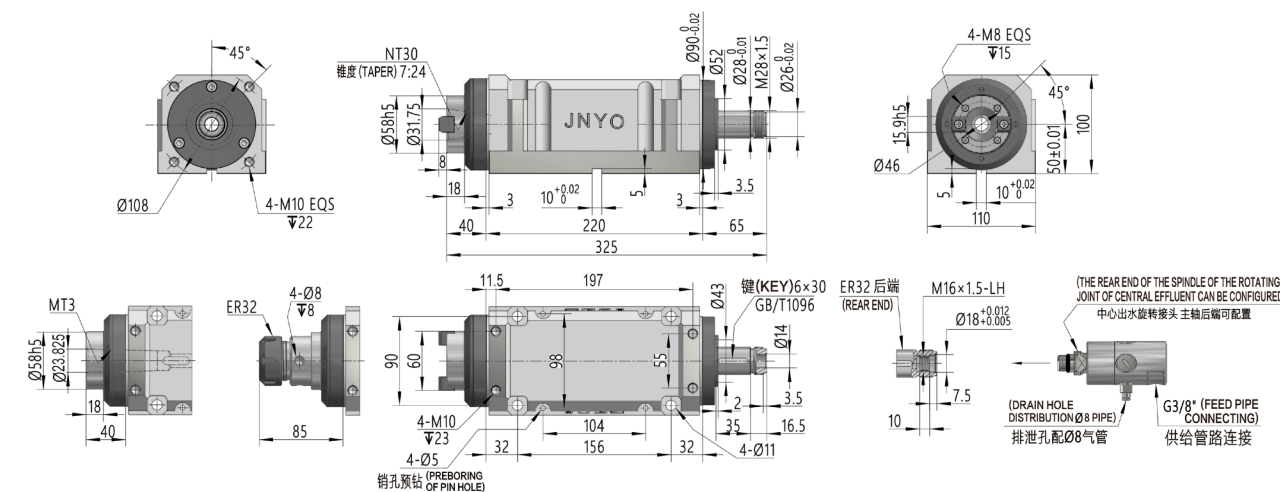
镗铣主轴头 Boring & Milling Head Unit

Made in China Spirit in Global

- XT30-2-NT30
- XT30-2-MT3
- XT30-2-ER32
- 重量: 20KG



- XT30-2 主轴头主轴形式:
Spindle type of the XT30-2 spindle head:
- NT30 为锥度 7:24 的传统型后拉杆装置。
NT30 is the traditional type with the taper of 7:24 and cutter installed with rear axle rod.
- MT3 可直接放置莫氏 3 号带扁尾锥柄。
MT3# taper-shank with flat tail can be directly placed.
- ER32 夹持直柄刀具 $\Phi 2-\Phi 20\text{mm}$ 。
ER32 clamping cutter with straight shank $\Phi 2-\Phi 20\text{mm}$.



产品参数 PRODUCT PARAMETERS

规格	Model	XT30-2
主轴	Spindle	NT30/MT3/ER32
最高转速 (RPM)	Max. Speed(RPM)	8000
轴承	Bearing	7007AC/DB 7007AC/DB
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)
温升	Temperature Rise	$\leq 20^{\circ}\text{C}$
真圆度	Roundness	$\leq 0.004\text{mm}$
最大动力	Max. Power	$\leq 2\text{HP}$

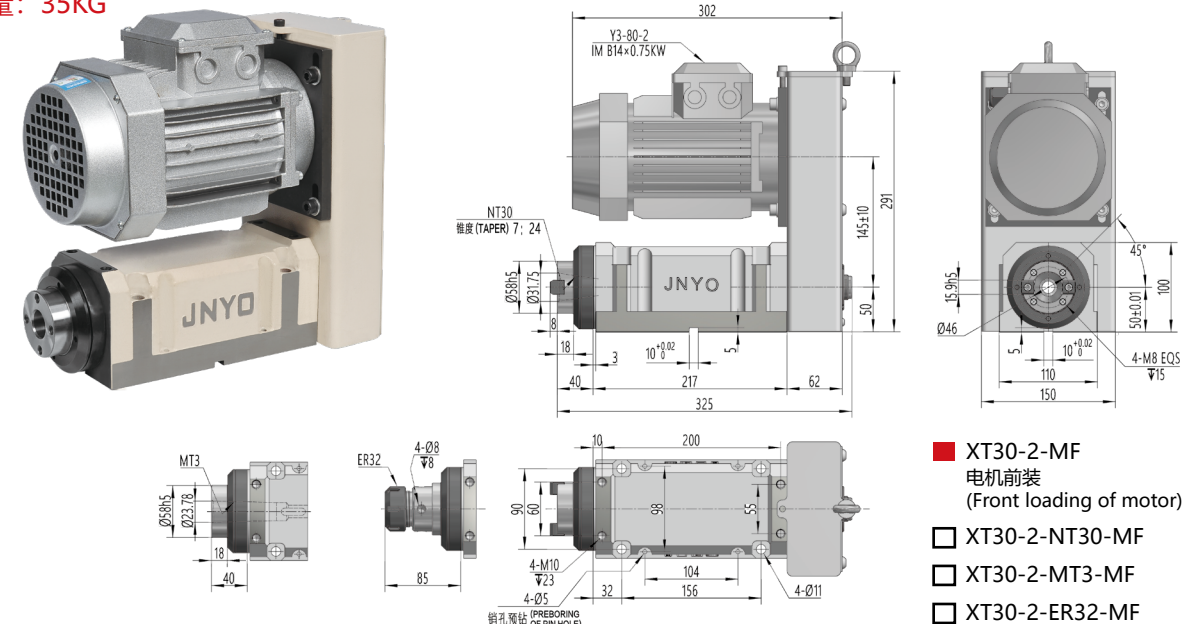
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镗铣主轴头配电机 Boring & Milling Head Unit With The Motor



重量: 35KG

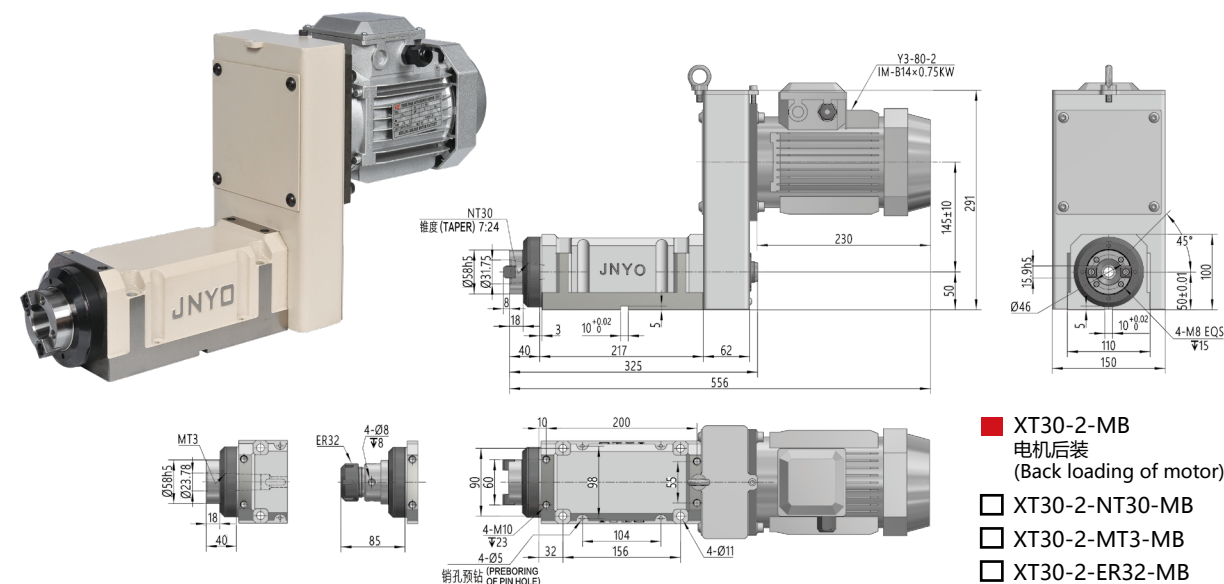


- XT30-2-MF
电机前装
(Front loading of motor)
- XT30-2-NT30-MF
- XT30-2-MT3-MF
- XT30-2-ER32-MF

产品参数 PRODUCT PARAMETERS

三相异步电机	Three-phase asynchronous motor	0.55KW...1.5KW	2P(3000RPM)/4P(1500RPM)/6P(1000RPM)	
伺服主轴电机	Servo spindle motor	0.55KW...1.5KW	额定转速 (Rated Speed) 2500RPM	最高转速 (Max. Speed) 8000RPM
变频电机	Variable frequency motor	0.55KW...1.5KW	额定频率 (Rated Frequency) 50Hz	最大频率 (Max. Frequency) 80Hz
减速电机	Gear motor	0.55KW...1.5KW	选配 (Optional)	

- ※ 电机功率及转速可根据需求，使用三角带、同步带、多楔带速比配置。
- ※ 可接受特殊规格动力头定制。
- ※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向下前置 / 向下后置。
- ※ The motor power and speed can be configured with speed ratio of triangular belt, synchronous belt and poly V-belt according to the requirement.
- ※ The customization of power head with special specification can be accepted.
- ※ The front loading of left side for 90° / front loading of right side for 90° , back loading of left side for 90° / back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.



- XT30-2-MB
电机后装
(Back loading of motor)
- XT30-2-NT30-MB
- XT30-2-MT3-MB
- XT30-2-ER32-MB

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ZG30-2

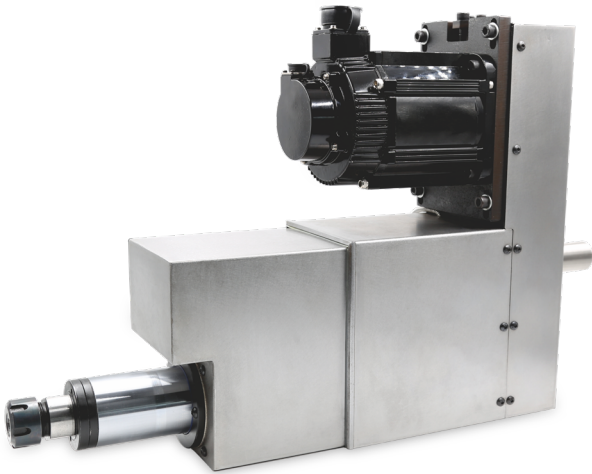
滑套进给式钻攻动力头 Sliding Sleeve Feed Type Drilling & Tapping Power Head

Made in China Spirit in Global

滑套进给式钻攻动力头配电机 Sliding Sleeve Feed Drilling & Tapping Power Head With Motor



- ZG30-2-B18
- ZG30-2-ER25
- 重量：50KG



ZG30-2 动力头采用动密封非接触式多重迷宫防水结构设计，防止生产加工中切削液或灰尘、切屑等异物的外部侵入，保证轴承不受污染，确保轴承的寿命及精度。可选配多种主轴形式，配合伺服进给电机控制滑筒伸缩，代替额外配置滑台的优势；应用到钻、攻、铰等多个加工场合。B18 为莫氏 2 号短莫氏圆锥，可配钻夹头与攻丝夹头；ER25 可夹持直柄刀具 $\Phi 1$ - $\Phi 16$ mm。独特的功能优势，让切削变的更容易。

ZG30-2 power head adopts dynamic seal non-contact labyrinth multiple waterproof structure design, production and processing of cutting fluid or dust, chip and other external intrusion of foreign bodies, guarantee the bearing is not affected by pollution, ensure the service life of bearing and precision. Optional multiple spindle form with servo feed motor control sliding tube expansion, instead of the additional configuration slider advantage; Applied to drilling, tapping, reaming, and other processing. B18 for Morse 2 short Morse taper; Can be configured to match the taper drill chuck or turn B18 ER25 handle, clamping straight shank cutter $\Phi 1$ to $\Phi 16$ mm. The function of the unique advantages, make cutting more easily.

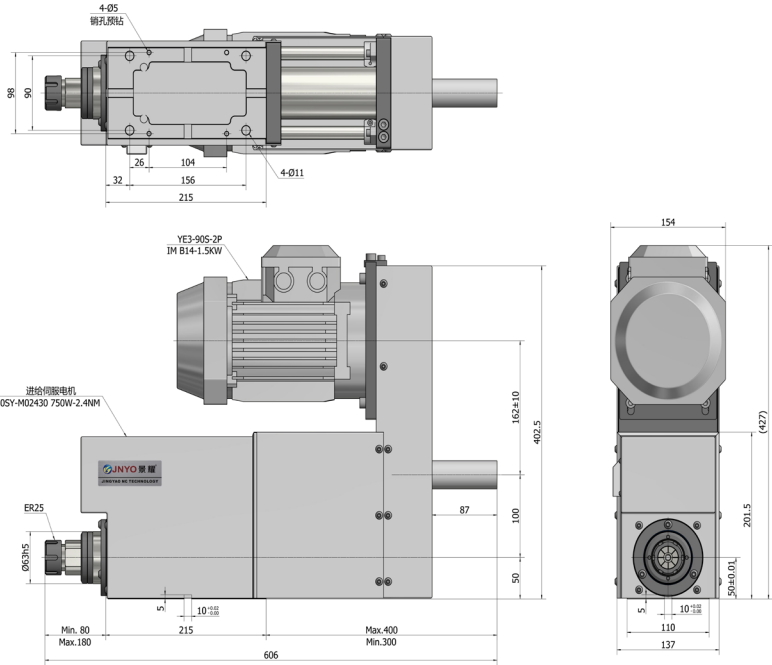
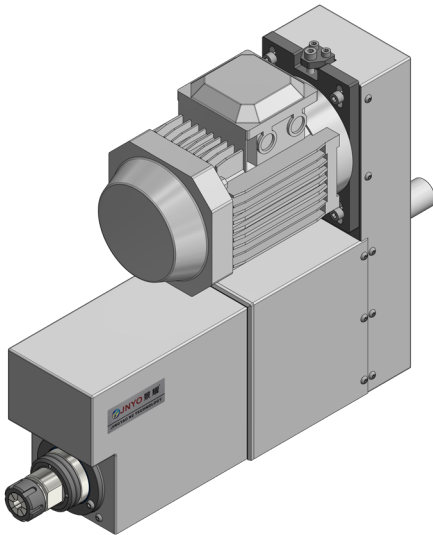
产品参数 PRODUCT PARAMETERS

规格	Model	ZG30-2
主轴	Spindle	B18/ER25
最高转速	Max. Speed(RPM)	8000
轴承	Bearing	7005AC/TBT 6004ZX2
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)
温升	Rising Temperature	$\leq 20^{\circ}\text{C}$
真圆度	Roundness	$\leq 0.004\text{mm}$
最大动力	Max. Power	$\leq 1.5\text{HP}$
钻孔 / 攻丝能力	Drilling /Tapping Capacity	$\Phi 12$ /M10
最大行程	Max.Stroke	100mm
滚珠丝杆规格	The ball screw specifications	$\Phi 16\times 5$

■ 出厂精度检测表 (Table for accuracy detection is attached while delivery)

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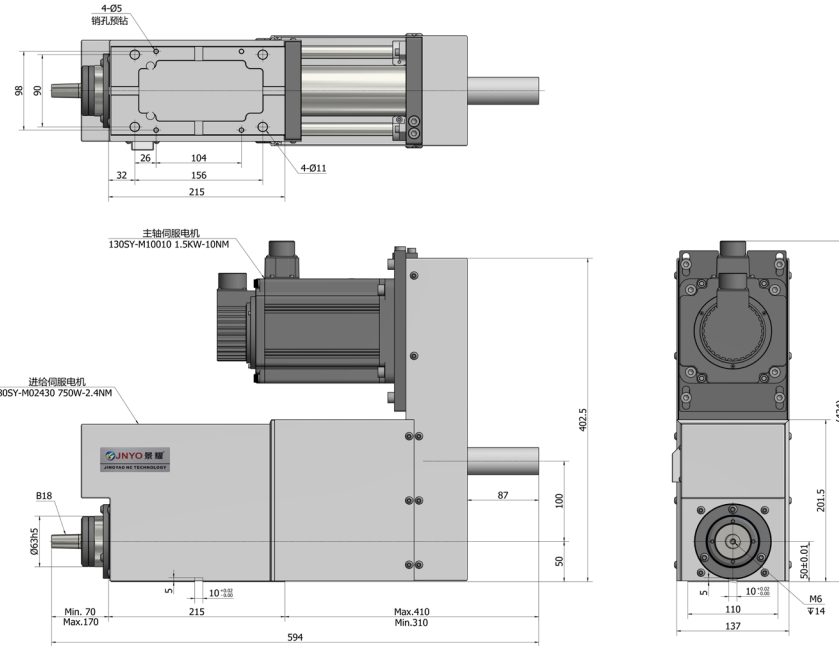
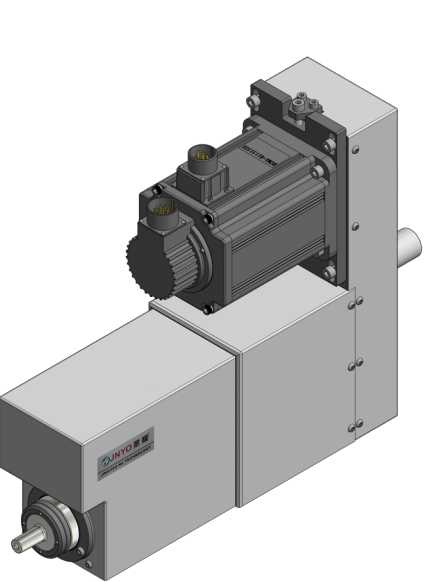
重量：50KG



产品参数 PRODUCT PARAMETERS

三相异步电机	Three-phase asynchronous motor	0.55KW...2.2KW	2P(3000RPM)/4P(1500RPM)/6P(1000RPM)	
伺服主轴电机	Servo spindle motor	0.55KW...2KW	额定转速 (Rated RPM) 1500	最高转速 (Max. RPM) 3000
变频电机	Variable frequency motor	0.55KW...2.2KW	额定频率 (Rated F-H) 50HZ	最大频率 (Max. F-H) 80HZ
进给伺服电机	Feed servo motor	80SY (0.4KW...1KW)	额定转速 (Rated RPM) 3000	最高转速 (Max. RPM) 3000

- ※ 电机功率及转速可根据需求，使用三角带、同步带、多楔带速比配置。
- ※ 可接受特殊规格动力头定制。
- ※ The motor power and speed can be configured with speed ratio of triangular belt, synchronous belt and poly V-belt according to the requirement.
- ※ The customization of power head with special specification can be accepted.



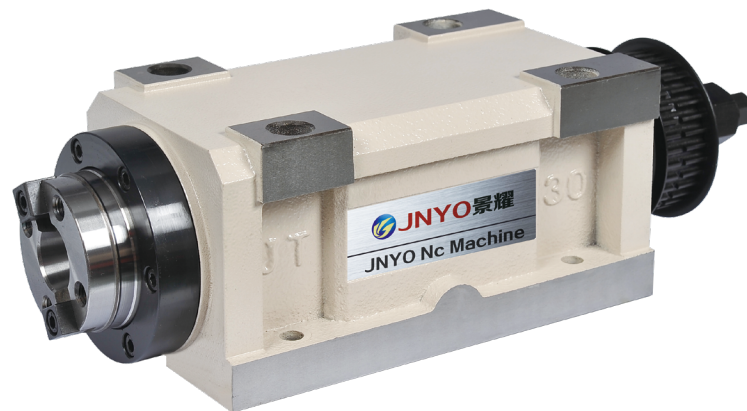
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XT30-1

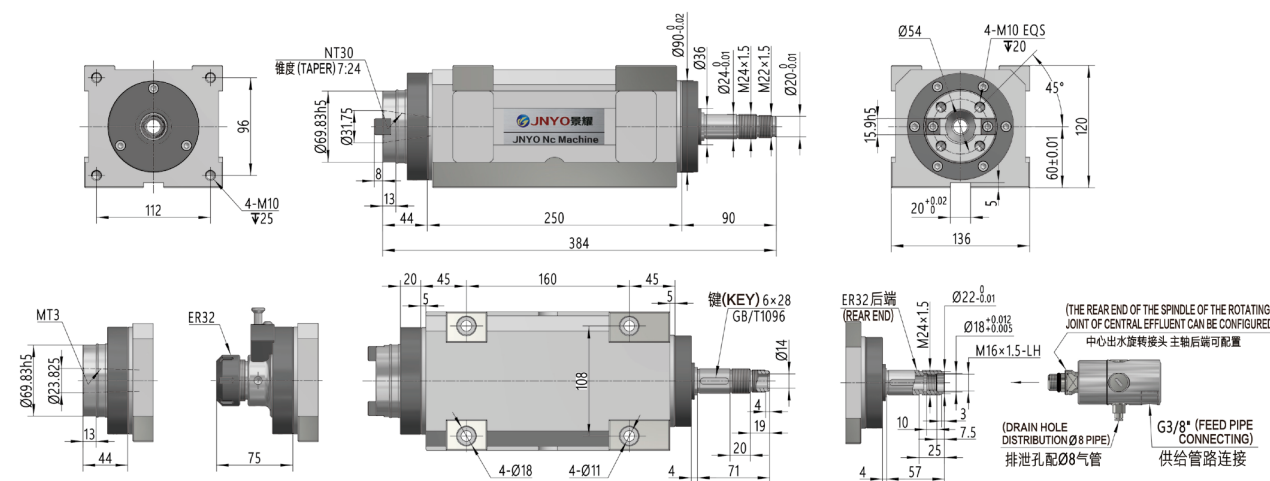
镗铣主轴头 Boring & Milling Head Unit

Made in China Spirit in Global

- XT30-1-NT30
- XT30-1-MT3
- XT30-1-ER32
- 重量: 25KG



- XT30-1 主轴头主轴形式:
Spindle type of the XT30-1 spindle head:
- NT30 为锥度 7:24 的传统型后拉杆装刀。
NT30 is the traditional type with the taper of 7:24 and cutter installed with rear axle rod.
- MT3 可直接放置莫氏 3 号锥柄。
MT3# taper-shank with flat tail can be directly placed.
- ER32 夹持直柄刀具 $\Phi 2\text{-}\Phi 20\text{mm}$ 。
ER32 clamping cutter with straight shank $\Phi 2\text{-}\Phi 20\text{mm}$.



产品参数 PRODUCT PARAMETERS

规格	Model	XT30-1
主轴	Spindle	NT30/MT3/ER32
最高转速 (RPM)	Max. Speed(RPM)	4500 8000 NSK 轴承 (NSK Bearings)
轴承	Bearing	7207AC/TBT 7206AC/DB
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)
温升	Temperature Rise	$\leq 20^{\circ}\text{C}$
真圆度	Roundness	$\leq 0.004\text{mm}$
最大动力	Max. Power	$\leq 3\text{HP}$

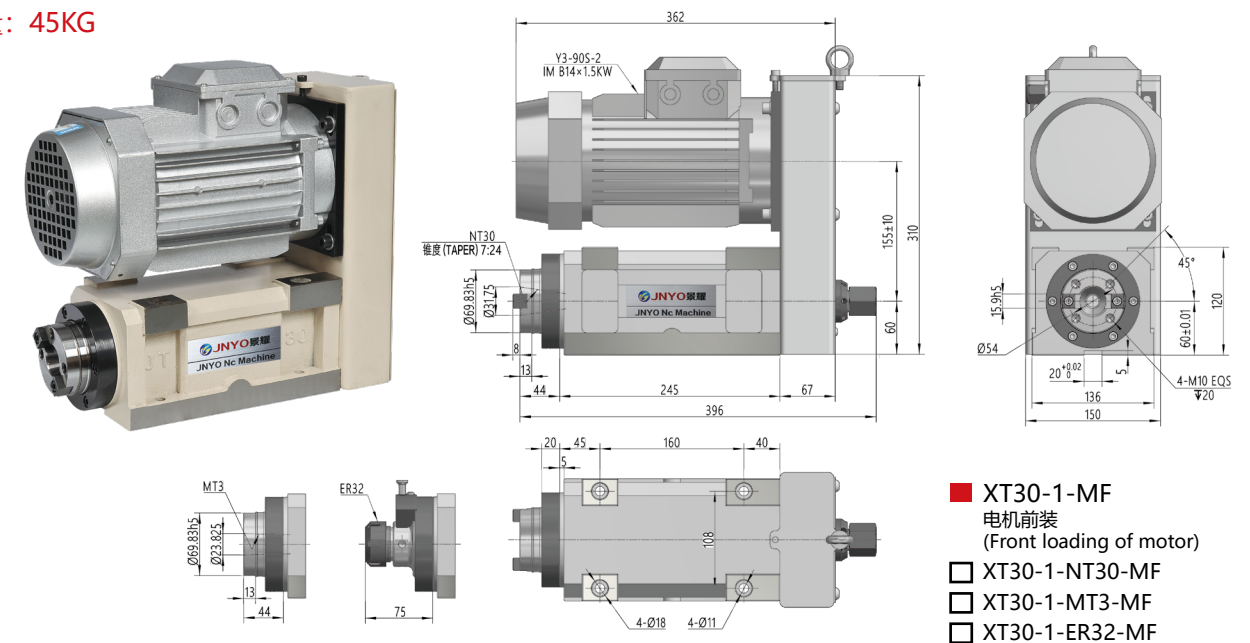
■ 出厂附精度检测表 (Table for accuracy detection is attached while delivery)

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镗铣主轴头配电机 Boring & Milling Head Unit With The Motor



重量: 45KG

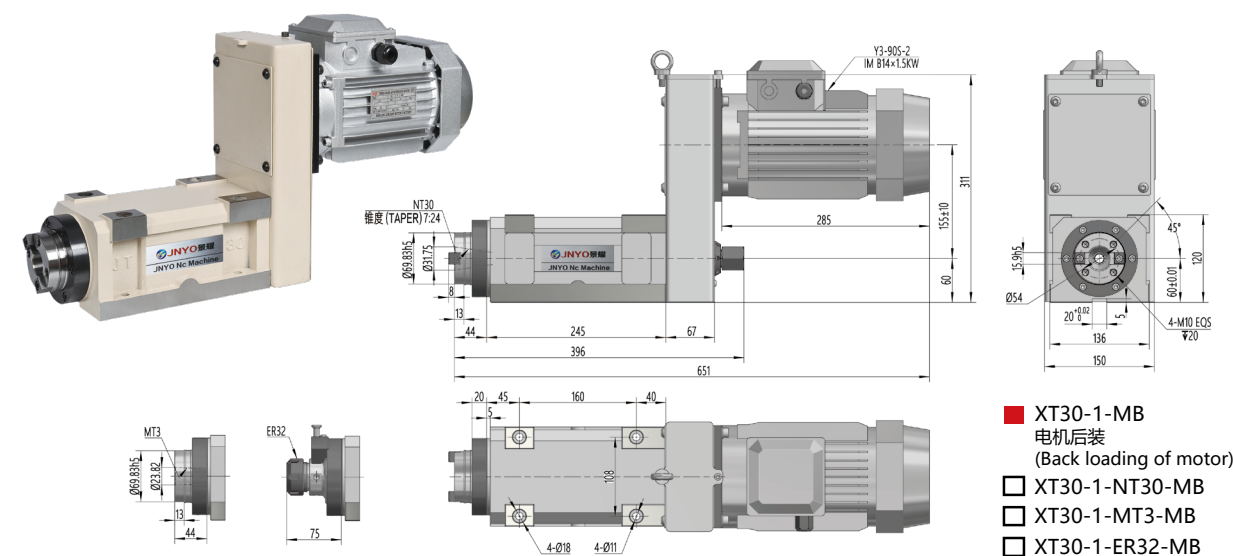


- XT30-1-MF
电机前装
(Front loading of motor)
- XT30-1-NT30-MF
- XT30-1-MT3-MF
- XT30-1-ER32-MF

产品参数 PRODUCT PARAMETERS

三相异步电机	Three-phase asynchronous motor	1.1KW...2.2KW	2P(3000RPM)/4P(1500RPM)/6P(1000RPM)	
伺服主轴电机	Servo spindle motor	1.1KW...2.2KW	额定转速 (Rated Speed) 2000RPM	最高转速 (Max. Speed) 6000RPM
变频电机	Variable frequency motor	1.1KW...2.2KW	额定频率 (Rated Frequency) 50Hz	最大频率 (Max. Frequency) 80Hz
减速电机	Gear motor	1.1KW...2.2KW	选配 (Optional)	

- ※ 电机功率及转速可根据需求，使用三角带、同步带、多楔带速比配置。
- ※ 可接受特殊规格动力头定制。
- ※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向下前置 / 向下后置。
- ※ The motor power and speed can be configured with speed ratio of triangular belt, synchronous belt and poly V-belt according to the requirement.
- ※ The customization of power head with special specification can be accepted.
- ※ The front loading of left side for 90° / front loading of right side for 90°, back loading of left side for 90° / back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.



- XT30-1-MB
电机后装
(Back loading of motor)
- XT30-1-NT30-MB
- XT30-1-MT3-MB
- XT30-1-ER32-MB

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XT40-1

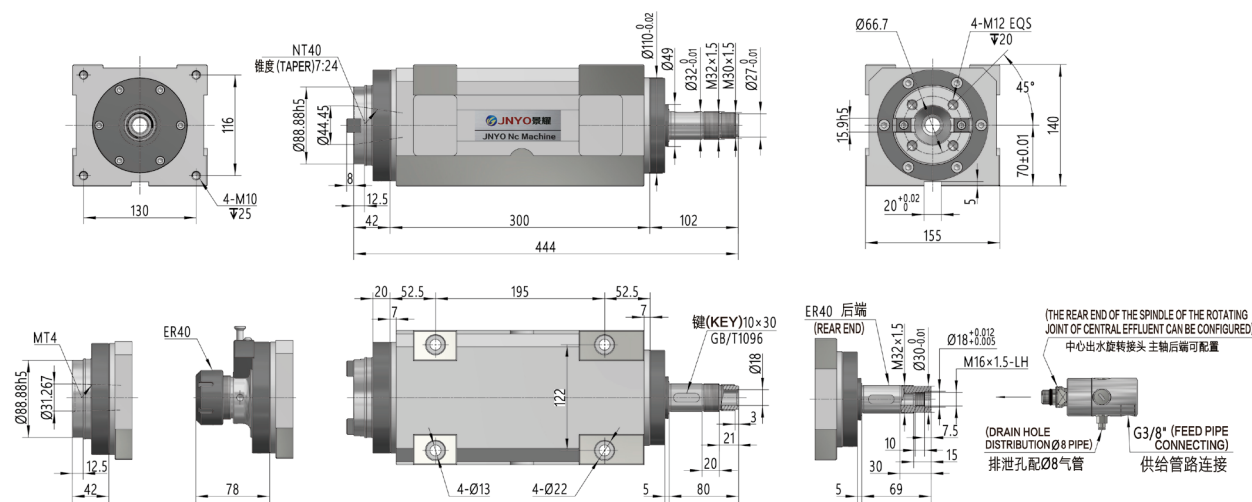
镗铣主轴头 Boring & Milling Head Unit

Made in China Spirit in Global

- XT40-1-NT40
 - XT40-1-MT4
 - XT40-1-ER40
- 重量: 35KG



- XT40-1 主轴头主轴形式:
Spindle type of the XT40-1 spindle head :
- NT40 为锥度 7:24 的传统型后拉杆装刀。
NT40 is the traditional type with the taper of 7:24 and cutter installed with rear axle rod.
- MT4 可直接放置莫氏 4 号锥柄。
MT4# taper-shank with flat tail can be directly placed.
- ER40 夹持直柄刀具 $\Phi 3-\Phi 26\text{mm}$ 。
ER40 clamping cutter with straight shank $\Phi 3-\Phi 26\text{mm}$.



产品参数 PRODUCT PARAMETERS

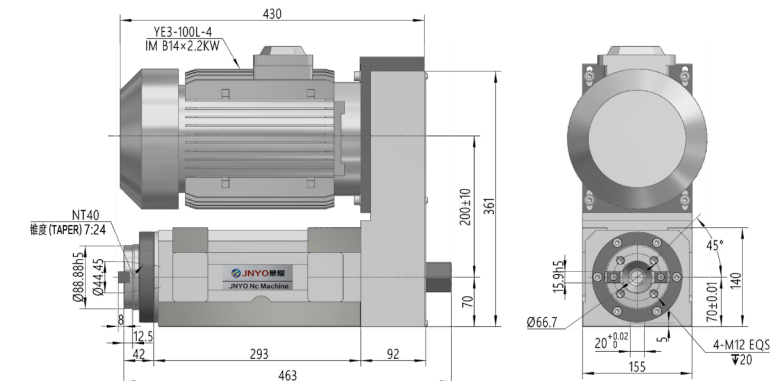
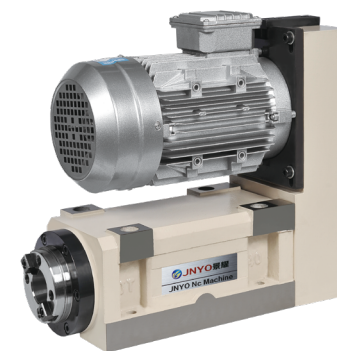
规格	Model	XT40-1
主轴	Spindle	NT40/MT4/ER40
最高转速 (RPM)	Max. Speed(RPM)	4500 7000 NSK 轴承 (NSK Bearings)
轴承	Bearing	7209AC/TBT 7208AC/DB
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)
温升	Temperature Rise	$\leq 20^{\circ}\text{C}$
真圆度	Roundness	$\leq 0.004\text{mm}$
最大动力	Max. Power	$\leq 7.5\text{HP}$

■ 出厂附精度检测表 (Table for accuracy detection is attached while delivery)

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镗铣主轴头配电机 Boring & Milling Head Unit With The Motor

重量: 70KG

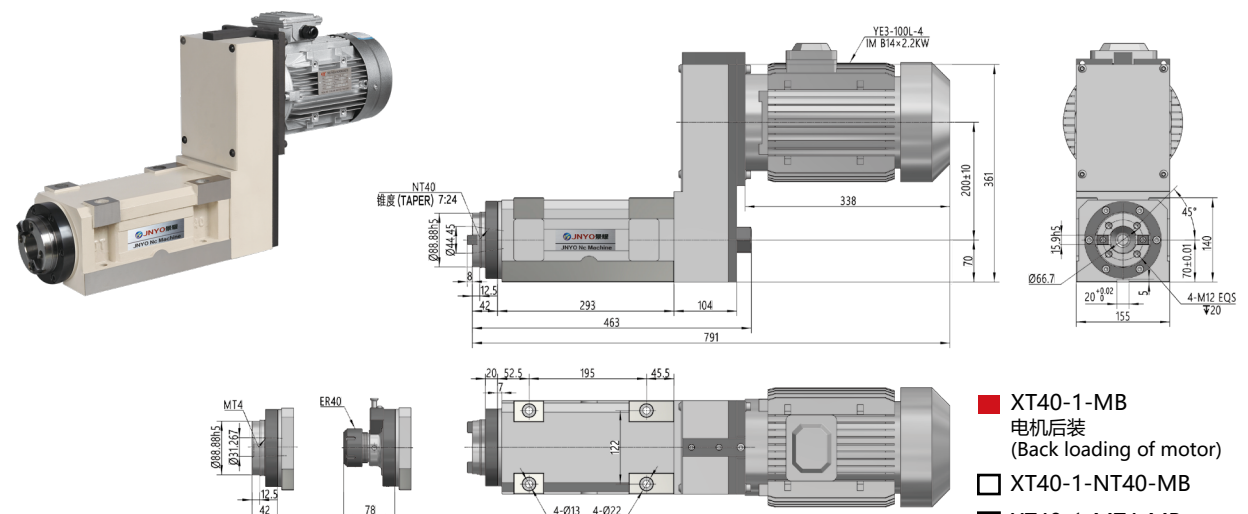


- XT40-1-MF
电机前装
(Front loading of motor)
- XT40-1-NT40-MF
- XT40-1-MT4-MF
- XT40-1-ER40-MF

产品参数 PRODUCT PARAMETERS

三相异步电机	Three-phase asynchronous motor	1.5KW...4KW	2P(3000RPM)/4P(1500RPM)/6P(1000RPM)	
伺服主轴电机	Servo spindle motor	1.5KW...7.5KW	额定转速 (Rated Speed) 2000RPM	最高转速 (Max. Speed) 7000RPM
变频电机	Variable frequency motor	1.5KW...4KW	额定频率 (Rated Frequency) 50Hz	最大频率 (Max. Frequency) 80Hz
减速电机	Gear motor	0.4KW...1.5KW	选配 (Optional)	

- ※ 电机功率及转速可根据需求，使用三角带、同步带、多楔带速比配置。
- ※ 可接受特殊规格动力头定制。
- ※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向下前置 / 向下后置。
- ※ The motor power and speed can be configured with speed ratio of triangular belt, synchronous belt and poly V-belt according to the requirement.
- ※ The customization of power head with special specification can be accepted.
- ※ The front loading of left side for 90° / front loading of right side for 90° , back loading of left side for 90° / back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.

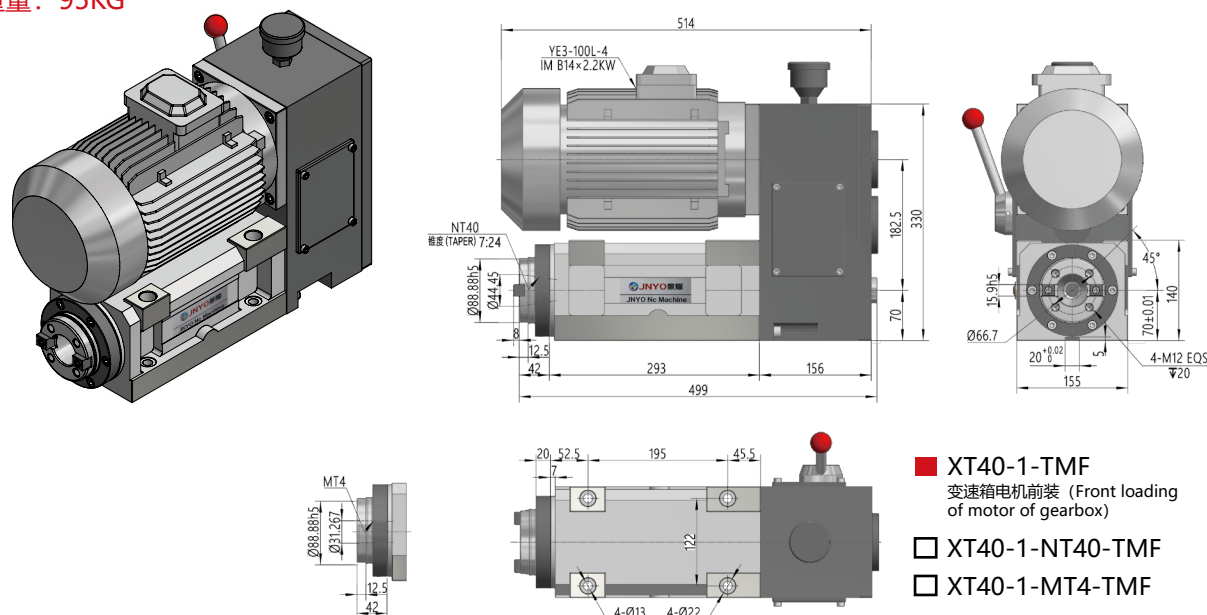


- XT40-1-MB
电机后装
(Back loading of motor)
- XT40-1-NT40-MB
- XT40-1-MT4-MB
- XT40-1-ER40-MB

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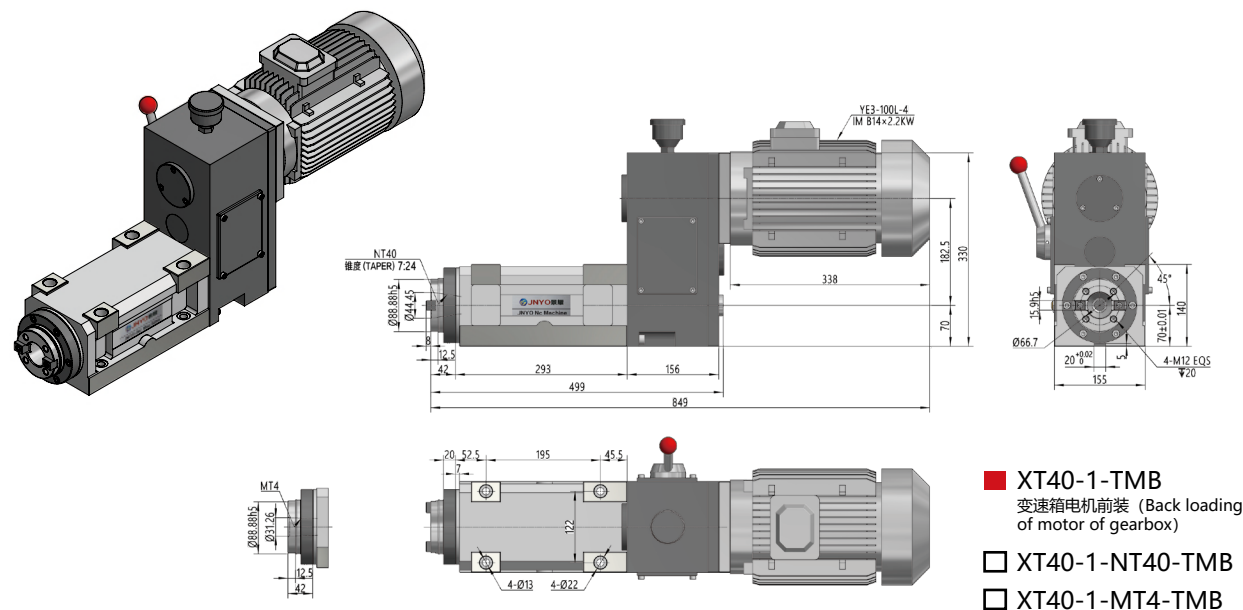
镗铣主轴头配变速箱电机

重量: 95KG



三相异步电机	Three-phase asynchronous motor	1.5KW...4KW	4P(1500RPM)/6P(1000RPM)	
变频电机	Variable frequency motor	1.5KW...4KW	Rated Frequency 50Hz	Max. Frequency 80Hz

- ※ 变速箱由高速（1：1）、空挡、低速（1：4）组成；可换挡的高低速切换，让粗加工和精加工同时成为可能
- ※ 电机功率及转速可根据需求配置
- ※ 可接受特殊规格动力头定制
- ※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向下前置 / 向下后置
- ※ The gearbox is composed of high speed (1:1), neutral gear and low speed (1:4); and the rough machining and finish machining become possible at the same time by virtue of the high and low speed switching which can shift the gear.
- ※ The motor power and speed can be configured according to the requirement.
- ※ The front loading of left side for 90° / front loading of right side for 90° , back loading of left side for 90° /back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.



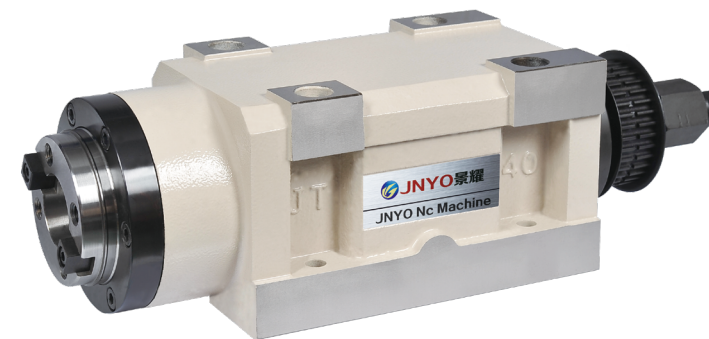
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镗铣主轴头

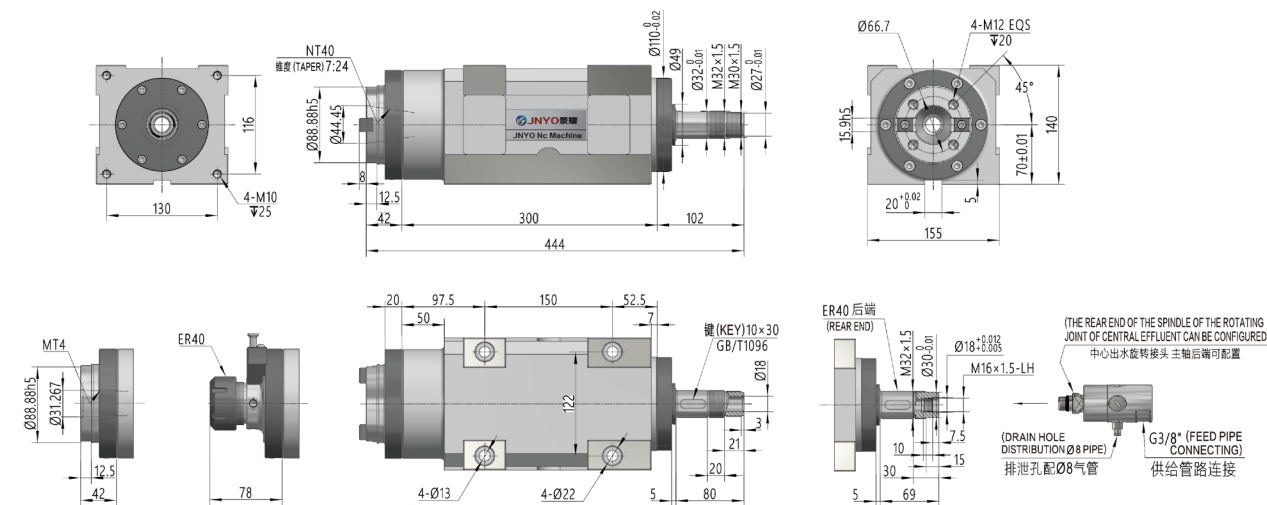
Boring & Milling Head Unit

- XT40-2-NT40
- XT40-2-MT4
- XT40-2-ER40

重量: 35KG



- XT40-2 主轴头主轴形式：
Spindle type of the XT40-2 spindle head:
- NT40 为锥度 7:24 的传统型后拉杆装刀。
NT40 is the traditional type with the taper of 7:24 and cutter installed with rear axle rod.
- MT4 可直接放置莫氏 4 号锥柄。
MT4# taper-shank with flat tail can be directly placed.
- ER40 夹持直柄刀具 $\Phi 3-\Phi 26\text{mm}$ 。
ER40 clamping cutter with straight shank $\Phi 3-\Phi 26\text{mm}$.



规 格	Model	XT40-2	
主 轴	Spindle	NT40/MT4/ER40	
最高转速 (RPM)	Max. Speed(RPM)	4500	7000 NSK 轴承 (NSK Bearings)
轴 承	Bearing	7209AC/TBT 7208AC/DB	
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)	
温 升	Temperature Rise	≤ 20℃	
真圆度	Roundness	≤ 0.004mm	
最大动力	Max. Power	≤ 7.5HP	

■ 出厂附精度检测表 (Table for accuracy detection is attached while delivery)

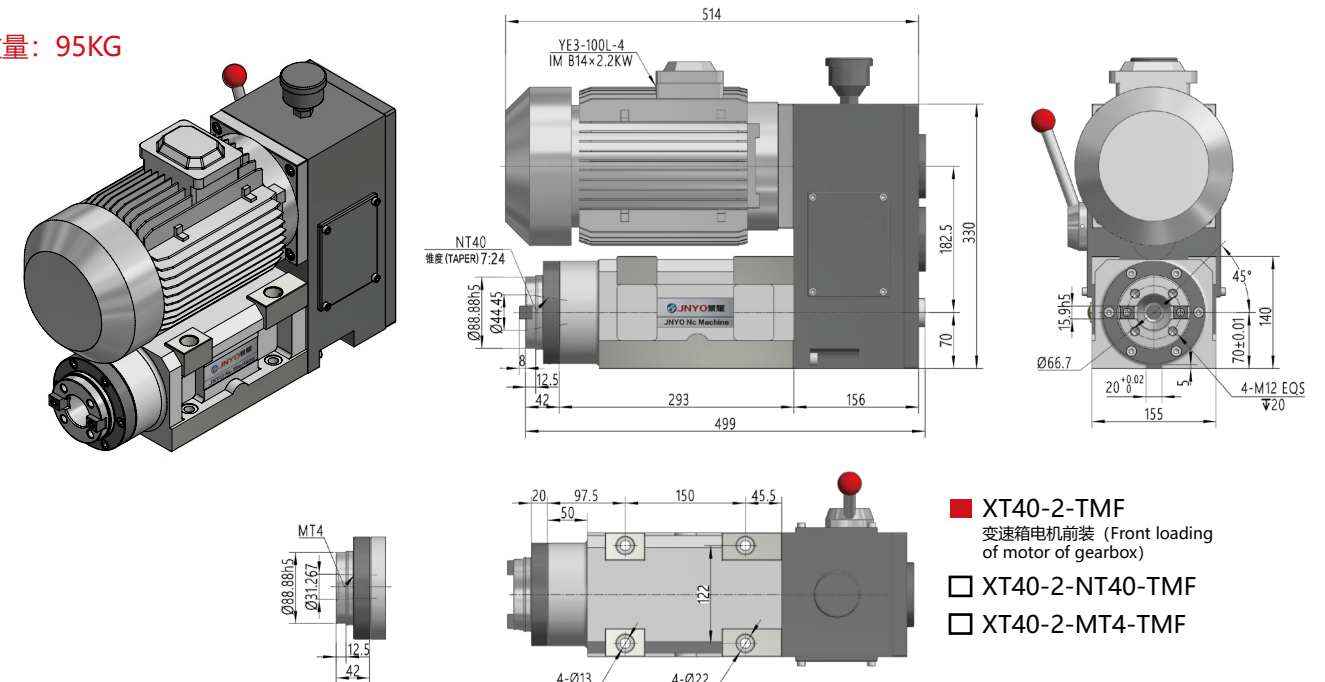
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镗铣主轴头配电机

镗铣主轴头变速箱电机



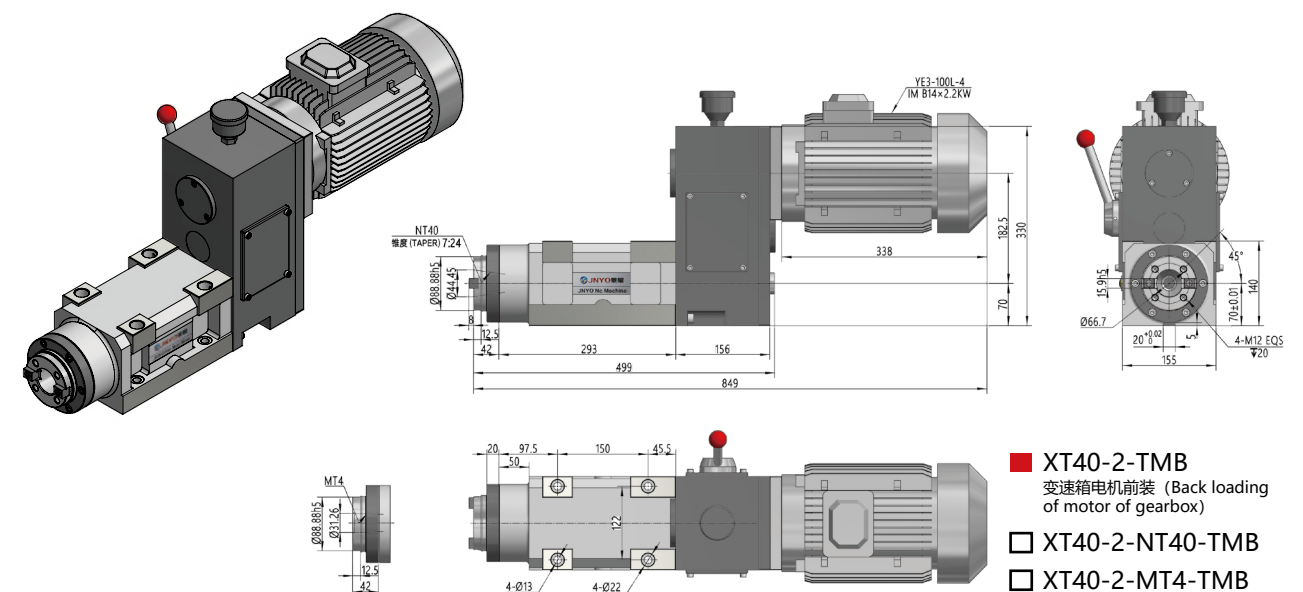
重量: 95KG



产品参数 PRODUCT PARAMETERS

三相异步电机	Three-phase asynchronous motor	1.5KW...4KW	4P(1500RPM)/6P(1000RPM)	
变频电机	Variable frequency motor	1.5KW...4KW	额定频率 (Rated Frequency) 50Hz	最大频率 (Max. Frequency) 80Hz

- ※ 变速箱由高速（1：1）、空挡、低速（1：4）组成；可换挡的高低速切换，让粗加工和精加工同时成为可能
- ※ 电机功率及转速可根据需求配置
- ※ 可接受特殊规格动力头定制
- ※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向下前置 / 向下后置
- ※ The gearbox is composed of high speed (1:1), neutral gear and low speed (1:4); and the rough machining and finish machining become possible at the same time by virtue of the high and low speed switching which can shift the gear.
- ※ The motor power and speed can be configured according to the requirement.
- ※ The front loading of left side for 90° / front loading of right side for 90°, back loading of left side for 90° / back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.



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XT40-2

镗铣主轴头加强型 Strengthened Boring & Milling Spindle Head

Made in China Spirit in Global

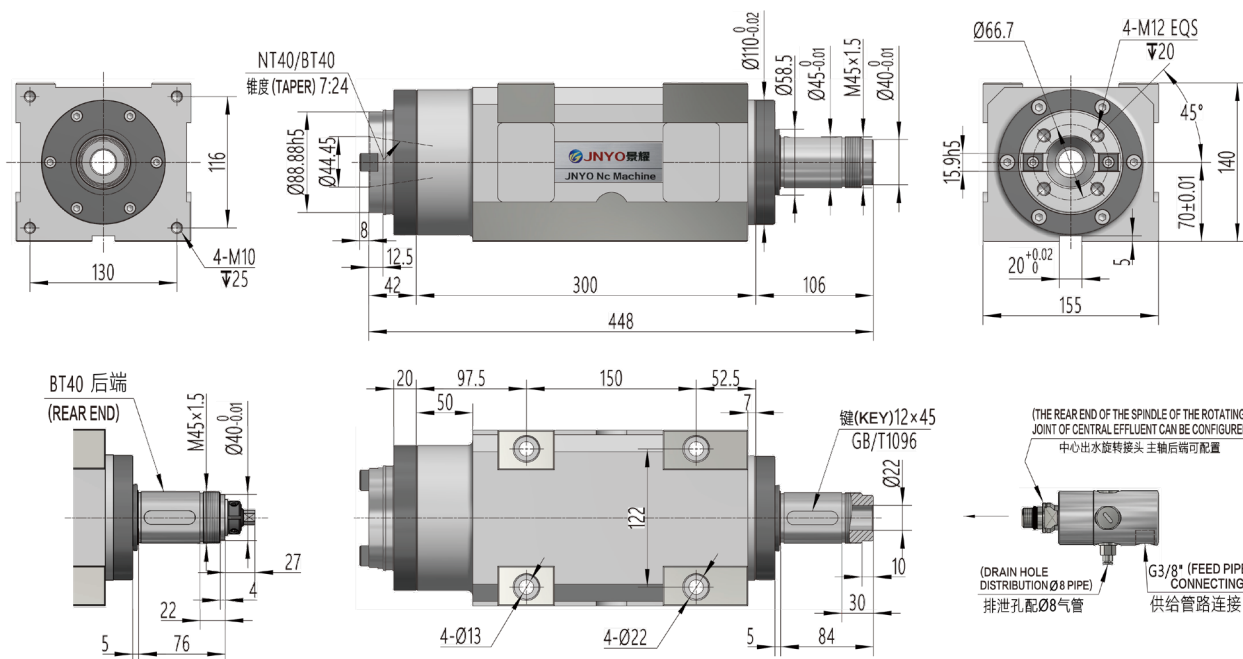
■ XT40-2-NT40-E

■ XT40-2-BT40

重量: 35KG



- XT40-2 主轴头加强型主轴形式:
XT40-2 is enhanced boring and milling spindle head:
- NT40 为锥度 7:24 的传统型后拉杆装刀。
NT40 is the traditional type with the taper of 7:24 and cutter installed with rear axle rod.
- BT40 为锥度 7:24 的自动换刀装置。
BT40 is enhanced spindle form of spindle head is automatic tool changer with the taper of 7:24.



产品参数 PRODUCT PARAMETERS

规 格	Model	XT40-2		
主 轴	Spindle	NT40-E/BT40		
最高转速 (RPM)	Max. Speed(RPM)	2500	4500	7000 NSK 轴承 (NSK Bearings)
轴 承	Bearing	NN3011/234411BM1 7010AC/DB	7011AC/TBT 7010AC/DB	
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)		
温 升	Temperature Rise	≤ 20°C		
真圆度	Roundness	≤ 0.004mm		
最大动力	Max. Power	≤ 10HP		

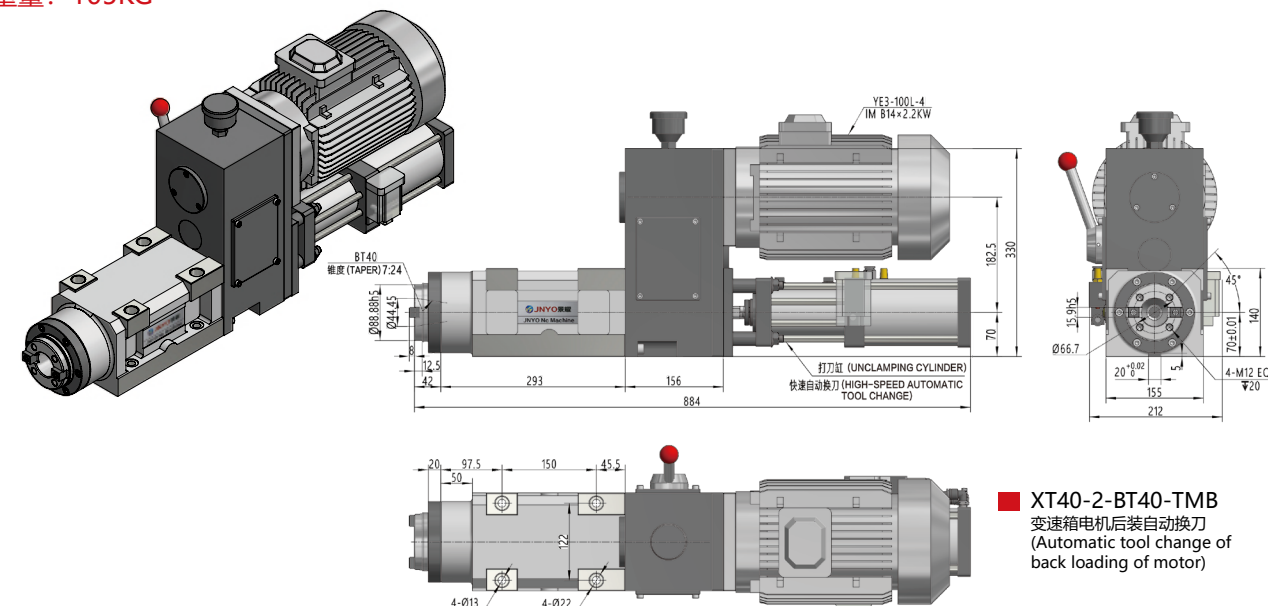
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镗铣主轴头配变速箱电机 + 自动换刀 Boring & Milling Spindle Head's Gearbox Motor+ATC



重量: 105KG



■ XT40-2-BT40-TMB
变速箱电机后装自动换刀
(Automatic tool change of back loading of motor)

主轴头选用增压式打刀缸使用，结构紧凑，高速自动换刀的优势。主要应用到全自动化设备，可配合各种刀库实现储备一定数量的刀具并完成刀具自动交换功能的自动换刀装置。进一步提高数控机床的加工效率，实现一次装夹即可完成多道工序；组配成为数控铣床或加工中心主轴系统部件。变速箱由高速（1：1）、空挡、低速（4：1）组成；可换挡的高低速切换，让粗加工和精加工同时成为可能。

The booster-type unclamping cylinder is adopted for the spindle head, so that it has the advantages of compact structure and high-speed automatic tool change. It is mainly applied to the full-automatic equipment, and can realize to store a certain quantity of cutter and automatic tool changer completing the automatic exchange function of cutter by matching the various tool magazines. The processing efficiency of the numerical control machine tool is further improved, and one clamping is realized, namely, many processes can be completed; and it is assembled into the CNC milling machine or component of the spindle system in the machining center. The gearbox is composed of the high speed (1:1), neutral gear and low speed (4:1); and the rough machining and finish machining become possible at the same time by virtue of the high and low speed switching which can shift the gear.

- 缩短非切削时间，提高生产效率，可使非切削时间减少到 20%-30%；减少人工换刀频率的劳动重复性。
The non-cutting time is shortened, the production efficiency is improved, and the non-cutting time can be reduced to 20%-30%; and the labor repeatability of the manual tool change frequency is reduced.
- 工序集中，扩大数控机床工艺范围，减少占地面积。
The process is concentrated, so as to expand the process range of the CNC numerical control machine tool, reduce the floor space.
- 提高加工精度，刀具重复定位精度高，安全可靠的特性。
Improve the machining precision; and moreover, it has characteristics of high repeated positioning accuracy of the cutter and safety and reliability.

产品参数 PRODUCT PARAMETERS

三相异步电机	Three-phase asynchronous motor	1.5KW...4KW	4P(1500RPM)/6P(1000RPM)	
变频电机	Variable frequency motor	1.5KW...4KW	额定频率 (Rated Frequency) 50Hz	最大频率 (Max. Frequency) 80Hz

※ 电机功率及转速可根据需求
※ 可接受特殊规格动力头定制
※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向上前置 / 向下后置
※ The motor power and speed can be configured according to the requirement.
※ The customization of power head with special specification can be accepted.
※ The front loading of left side for 90° / front loading of right side for 90° , back loading of left side for 90° / back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.

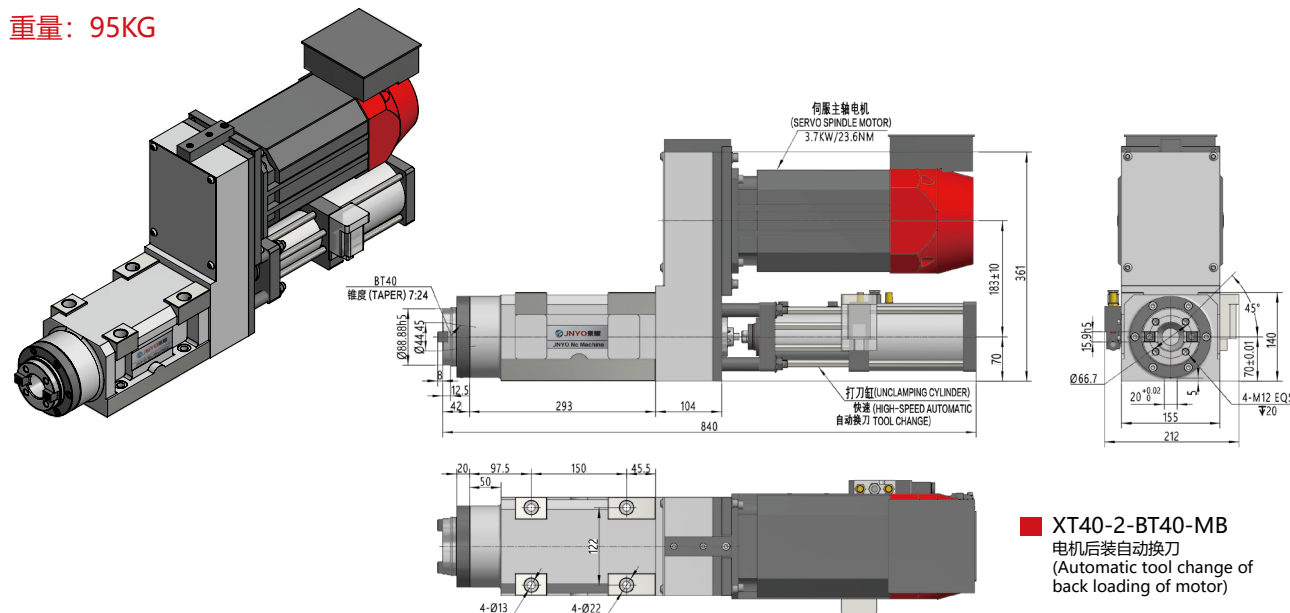
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XT40-2

镗铣主轴头配电机 + 自动换刀 Boring & Milling Head Unit With The Motor+ATC

Made in China Spirit in Global

重量: 95KG



■ XT40-2-BT40-MB
电机后装自动换刀
(Automatic tool change of
back loading of motor)

主轴头选用增压式打刀缸使用，结构紧凑，高速自动换刀的优势。主要应用到全自动化设备，可配合各种刀库实现储备一定数量的刀具并完成刀具自动交换功能的自动换刀装置。进一步提高数控机床的加工效率，实现一次装夹即可完成多道工序；组配成为数控铣床或加工中心主轴系统部件。

The booster-type unclamping cylinder is adopted for the spindle head, so that it has the advantages of compact structure and high-speed automatic tool change. It is mainly applied to the full-automatic equipment, and can realize to store a certain quantity of cutter and automatic tool changer completing the automatic exchange function of cutter by matching the various tool magazines. The processing efficiency of the numerical control machine tool is further improved, and one clamping is realized, namely, many processes can be completed; and it is assembled into the CNC milling machine or component of the spindle system in the machining center.

- 缩短非切削时间，提高生产效率，可使非切削时间减少到 20%-30%；减少人工换刀频率的劳动重复性。
The non-cutting time is shortened, the production efficiency is improved, and the non-cutting time can be reduced to 20%-30%; and the labor repeatability of the manual tool change frequency is reduced.
- 工序集中，扩大数控机床工艺范围，减少占地面积。
The process is concentrated, so as to expand the process range of the CNC numerical control machine tool, reduce the floor space.
- 提高加工精度，刀具重复定位精度高，安全可靠的特性。
Improve the machining precision; and moreover, it has characteristics of high repeated positioning accuracy of the cutter and safety and reliability.

产品参数 PRODUCT PARAMETERS

三相异步电机	Three-phase asynchronous motor	1.5KW...4KW	2P(3000RPM)/4P(1500RPM)/6P(1000RPM)	
伺服主轴电机	Servo spindle motor	1.5KW...7.5KW	额定转速 (Rated Speed) 2000RPM	最高转速 (Max. Speed) 7000RPM
变频电机	Variable frequency motor	1.5KW...4KW	额定频率 (Rated Frequency) 50Hz	最大频率 (Max. Frequency) 80Hz
减速电机	Gear motor	1.5KW...4KW	选配 (Optional)	

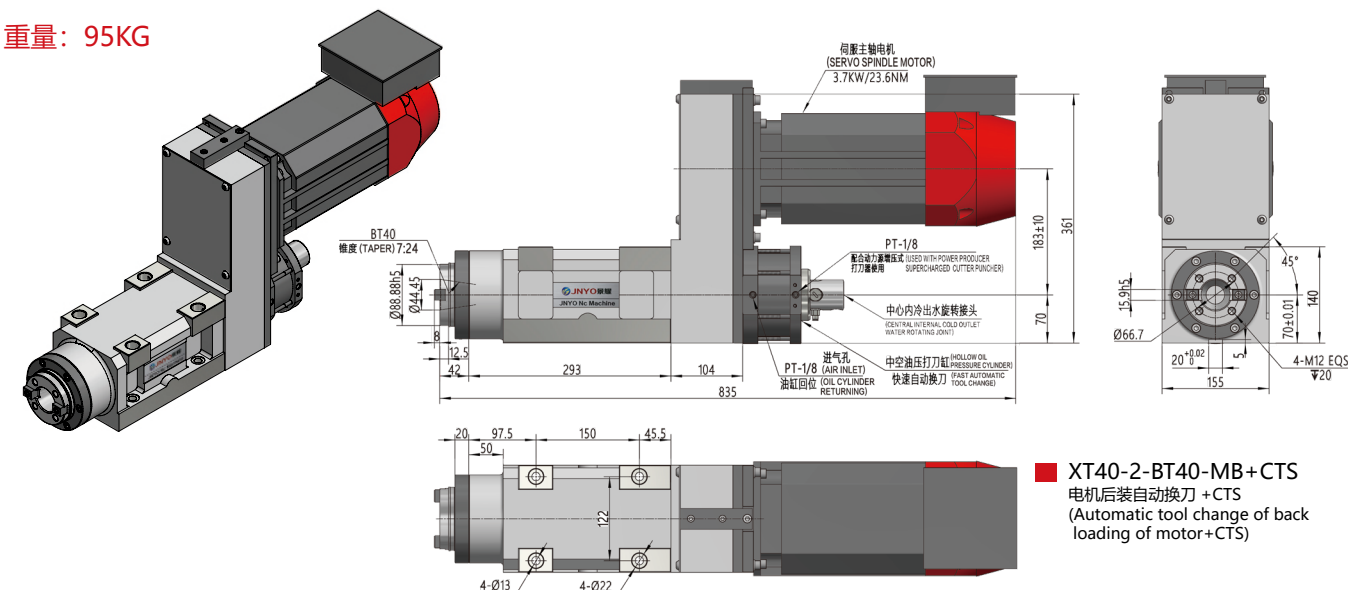
※ 电机功率及转速可根据需求，使用三角带、同步带、多楔带速比配置。
※ 可接受特殊规格动力头定制
※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向上前置 / 向下后置
※ The motor power and speed can be configured with speed ratio of triangular belt, synchronous belt and poly V-belt according to the requirement.
※ The customization of power head with special specification can be accepted.
※ The front loading of left side for 90° / front loading of right side for 90° , back loading of left side for 90° / back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.

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镗铣主轴头配电机 + 自动换刀 + 中心出水 Boring & Milling Head Unit With The Motor+ATC +CTS



重量: 95KG



■ XT40-2-BT40-MB+CTS
电机后装自动换刀 + CTS
(Automatic tool change of back
loading of motor+CTS)

主轴头选用中空油压打刀缸配合增压式打刀器使用，专为主轴中心出水而设计；结构紧凑，高速自动换刀的优势。以压缩空气为动力源，油为介质，将输入压力变换，以较高压力输出产生强大推力的工作原理。主轴贯通内冷装置，由精密旋转接头，高压冷却装置组成及冷却液精过滤装置组成，是当今 CNC 机床高效加工和保证主轴长效运转的首选装置，需选择与主轴锥度匹配的中空内冷专用刀柄、拉钉 (CAT40A) 及刀具。

The hollow hydraulic cylinder and booster-type cylinder are adopted for the spindle head, which is specially designed for the spindle central coolant; and it has advantages of compact structure and high-speed automatic tool change. The operating principle is to take the compressed air as the power source and oil as medium, transfer the input pressure, and produce the strong thrust with high pressure output. The spindle runs through the internal cooling device, and is composed of precise rotating joint, high-pressure cooling device and fine filter device of cooling liquid, which is the first choice of efficiently machining of CNC machine and guaranteeing the long-term rotation of the spindle. The special hollow internal cooling knife handle, pull studs (CAT40A) and cutter matched with the taper of spindle shall be selected.

中心出水内冷的特点 (Characteristics of internal cooling of CTS)

- 由于中空内冷主轴的冷却液是从刀具上喷出的，能够直接作用在工件上和刀具的切削部位，冷却效果要优于普通主轴，使加工件的表面质量更好，外冷却由于受刀具旋转离心力的影响冷却液大部份被刀具甩出因此冷却效果不佳。
As the cooling liquid of the hollow internal cooling spindle is ejected from the cutter, the cooling effect of the cutting part which can directly act on the workpiece and cutter is superior to that of the common spindle, so that the surface quality of the machined part is better. The external cooling is affected by the rotary centrifugal force of the cutter, and most of cooling liquid is thrown away by the cutter, therefore, the cooling effect is bad.
 - 更适合于深孔加工，在加工深孔时，通过主轴中心的贯穿孔将冷却液输送到刀柄并通过刀柄及刀具上的贯穿孔喷出，所以对刀具的切削部份和工件的冷却效果明显要好于外冷却装置，而且切屑通过高压冷却液能顺利地通过钻头的螺旋槽快速排出，从而能实现连续切削，提高加工效率和刀具耐用度。
It is more suitable for the deep hole working. When processing the deep hole, the cooling liquid is transported to the knife handle through the through hole of the spindle center and ejected through the through hole on the cutter, therefore, the cooling effect of the cutting part and workpiece of the cutter is obviously better than that of the external cooling device, and cuttings can be rapidly discharged through the spiral chute of the drill smoothly by virtue of the high-pressure cooling liquid, thus, realizing the continuous cutting, and improving the processing efficiency and cutter endurance.
 - 由于主轴高速旋转加工时冷却液经过主轴中心孔时能带走一部份热量，这就更有利于提高主轴的使用寿命与主轴精度，同时也能够避免主轴热变形而影响加工件精度的问题。
The cooling liquid can bring a part of heat through the spindle center hole when the spindle rotates and processes at high speed, which is more beneficial to improving the service lifespan and precision of the spindle, and meanwhile, being able to avoid the problems of affecting the precision of the machined part due to the thermal deformation of the spindle.
- 出厂附精度检测表 (Table for accuracy detection is attached while delivery)

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XT40-2

伺服展刀动力头 Facing Spindle Head Unit-Servo Type

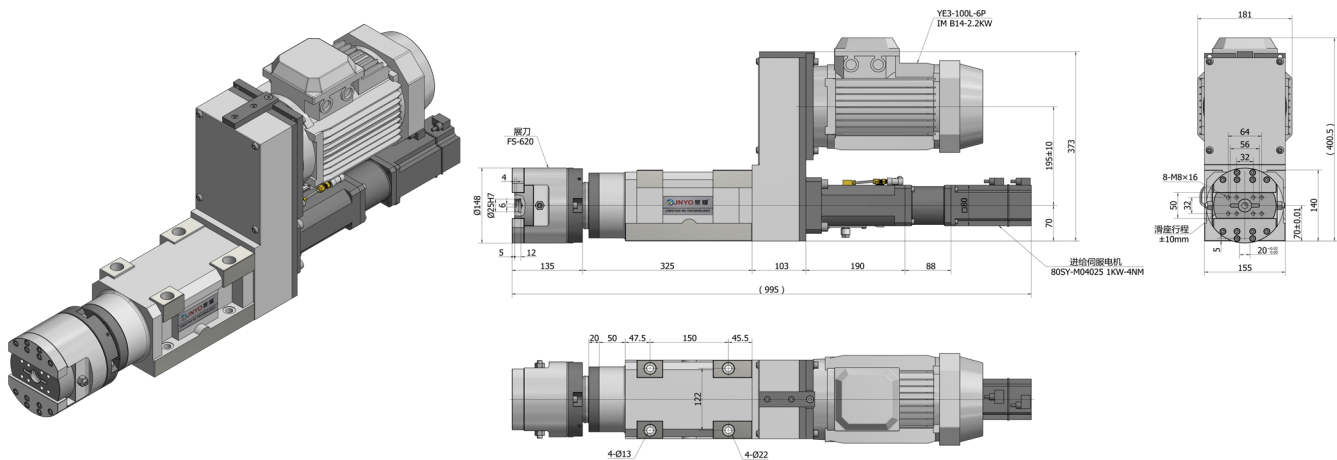
Made in China Spirit in Global

■ XT40-2-BT40-SMB+FS-620
(专利号: ZL 2018 2 1131882.5)
重量: 110KG



伺服展刀动力头在工件固定不旋转的加工情况下，涉及到箱体类零件上，可进行复杂轮廓、数控插补运动、车内外端面、内外沟槽、内外螺纹、直线镗孔、多台阶复合镗孔、倒角、锥度等，展刀做旋转运动，伺服控制横向运动，取代了车床。其机构紧凑，精度高，可替代一个U轴向。

Servo facing head in the workpiece fixed not rotating processing, involving box parts, it can carry out complex contour, CNC interpolation movement, internal and external end faces, internal and external grooves, internal and external threads, linear boring, multi-step compound boring, chamfering, taper, etc. the facing head spreading makes rotation movement, servo control horizontal movement, replacing the lathe. Its mechanism is compact and high precision, which can replace a U axis.



产品参数 PRODUCT PARAMETERS

规格	Model	XT40-2
展刀型号	Facing Head Model	FS-620
主轴	Spindle	BT40
最高转速	Max.RPM	1200
轴承	Bearing	33011×2 6010Z×2
润滑方式	Lubrication Mode	高速轴承润滑脂 (High Speed Bearing Grease)
温升	Rising Temperature	≤ 20℃
真圆度	Roundness	≤ 0.004mm
最大动力	Max.Power	≤ 7.5 HP
丝杠轴承座轴承	Bearing of Ballscrew Bearing Block	760202/DB/2RS
展刀轴承座轴承	Bearing of Facing Head Model	760202 TN1 × 2
展刀滑座行程	Facing Head Slider Stroke	20mm
展刀重复定位精度	Facing Head Repeated Positioning Accuracy	≤ 0.005mm
滚珠丝杠	Ball Screws	Φ16×5

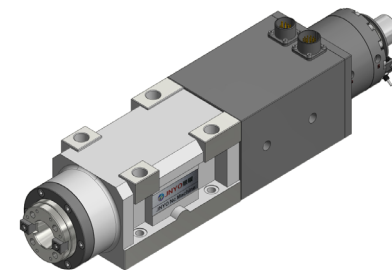
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XT40-2-BT40-DC

后置式电主轴 Rear mounted motorized spindle

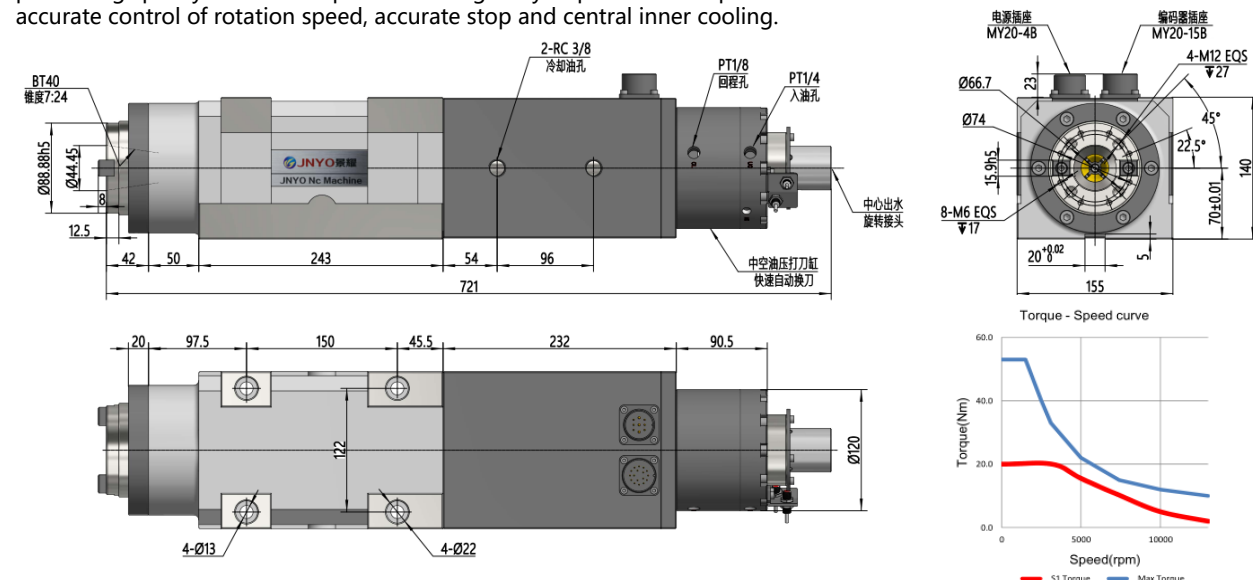
Made in China Spirit in Global

重量: 95KG



后置式电主轴传动形式为后置式电机直接驱动，配有水冷却系统。由于电机的散热条件比较好，轴承温升低，主轴的热变形小，能够传递很高的转速和扭矩，而且刚性好，机构紧凑，可大大提高机床的生产效率和工件的加工质量。主轴具有自动松拉刀、精确控制转速和实现准停、中心内冷等功能。

The rear motorized spindle is directly driven by rear motor and equipped with water cooling system. Due to the good heat dissipation condition of the motor, low temperature rise of the bearing, small thermal deformation of the spindle, high speed and torque transmission, good rigidity and compact mechanism, the production efficiency of the machine tool and the processing quality of the workpiece can be greatly improved. The spindle has the functions of automatic release of broach, accurate control of rotation speed, accurate stop and central inner cooling.



产品参数 PRODUCT PARAMETERS

规格	Model	XT40-2-BT40-DC
主轴	Spindle	BT40
最高转速 (RPM)	Max. Speed(RPM)	10000
轴承	Bearing	前 7011AC×3 (TBT) 后 7010AC×2 (DB)
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)
真圆度	Roundness	≤ 0.004mm
中心内冷	Roundness	可选 (Optional)
松刀方式	Tool release mode	液压 / 增压式打刀器 (Hydraulic/supercharged cutter)
电压	Voltage	380V
额定功率	Rated power	6.3KW
额定频率	Rated frequency	150HZ
额定电流	Rated current	14A
额定转矩	Rated torque	20NM
额定转速	Rated speed	3000
冷却制冷功率	Cooling power	0.6KW
冷却最小流量	Minimum cooling flow	3.253L/Min
冷却入口温度	Cooling inlet temperature	30° C
编码器类型	Speed fbk sel	RS422 (TTL) - 标配 1VPP- 选配

■ 出厂附精度检测表 (Table for accuracy detection is attached while delivery)

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XT50-2

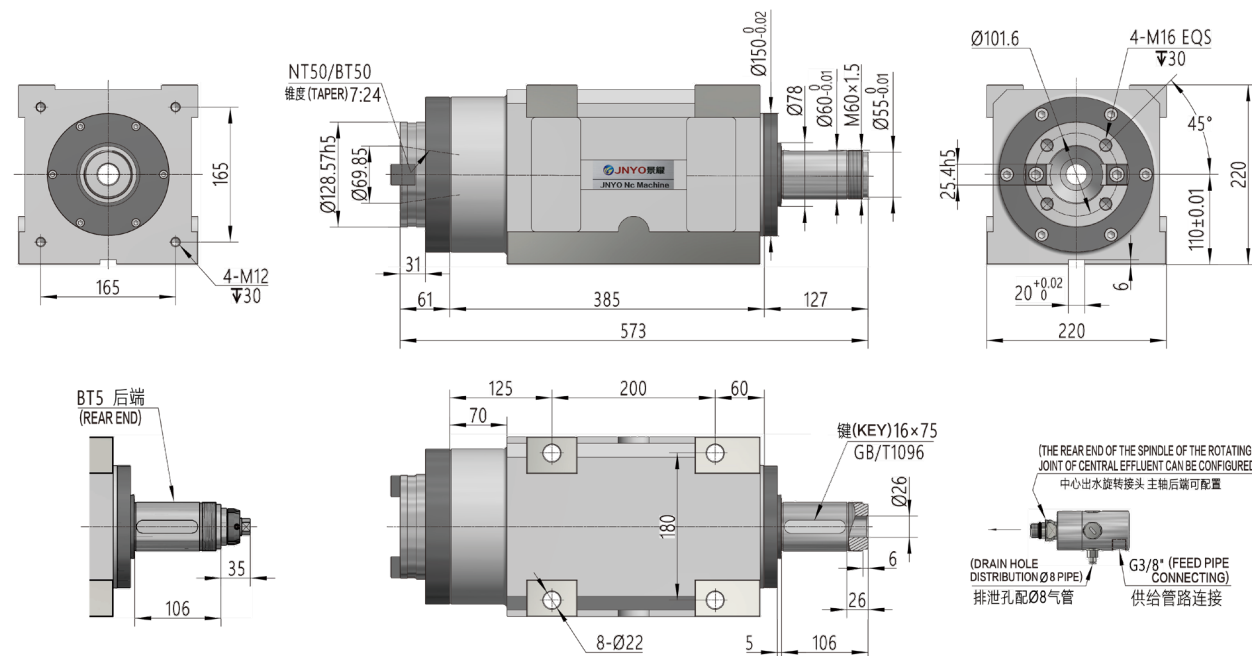
镗铣主轴头 Boring & Milling Head Unit

Made in China Spirit in Global

- XT50-2-NT50
- XT50-2-BT50
- 重量: 100KG



- XT50-2 主轴头主轴形式:
XT50-2 is milling spindle head:
- NT50 为锥度 7:24 的传统型后拉杆装刀。
NT50 is the traditional type with the taper of 7:24 and cutter installed with rear axle rod.
- BT50 为锥度 7:24 的自动换刀装置。
NT50 is enhanced spindle form of spindle head is automatic tool changer with the taper of 7:24.



产品参数 PRODUCT PARAMETERS

规 格	Model	XT50-2		
主 轴	Spindle	NT50/BT50		
最高转速 (RPM)	Max. Speed(RPM)	1500	3000	4500 NSK 轴承 (NSK Bearings)
轴 承	Bearing	NN3018/234418BM1 7214AC/DB	7216AC/TBT 7214AC/DB	
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)		
温 升	Temperature Rise	≤ 20°C		
真圆度	Roundness	≤ 0.004mm		
最大动力	Max. Power	≤ 20HP		

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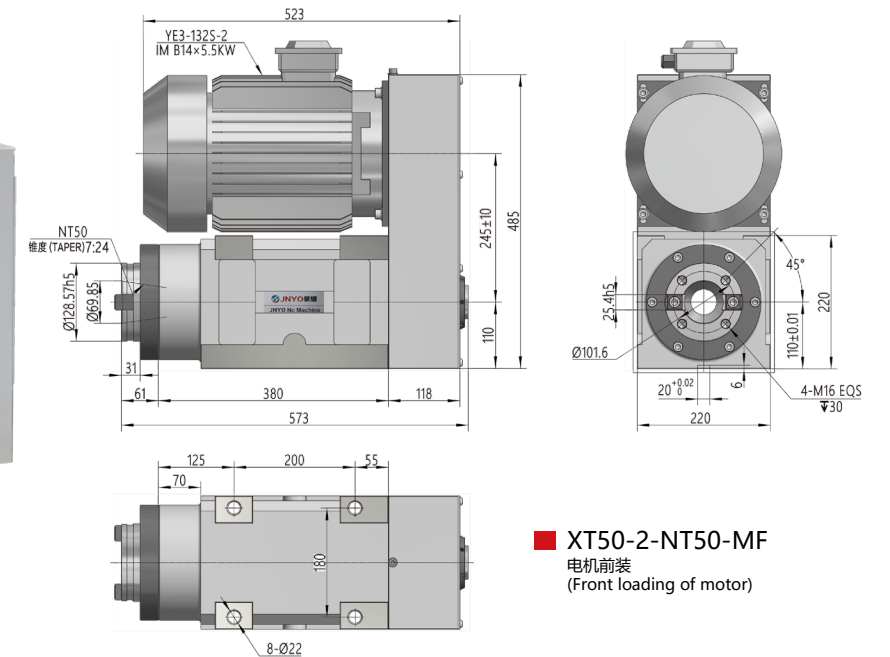
XT50-2

镗铣主轴头配电机 Boring & Milling Head Unit With The Motor

Made in China Spirit in Global



重量: 180KG



■ XT50-2-NT50-MF
电机前装
(Front loading of motor)

产品参数 PRODUCT PARAMETERS

三相异步电机	Three-phase asynchronous motor	5.5KW...15KW	2P(3000RPM)/4P(1500RPM)/6P(1000RPM)	
伺服主轴电机	Servo spindle motor	5.5KW...15KW	额定转速 (Rated Speed) 1500RPM	最高转速 (Max. Speed) 4500RPM
变频电机	Variable frequency motor	5.5KW...15KW	额定频率 (Rated Frequency) 50Hz	最大频率 (Max. Frequency) 80Hz
减速电机	Gear motor	5.5KW...15KW	选配 (Optional)	

※ 电机功率及转速可根据需求，使用三角带、同步带、多楔带速比配置。

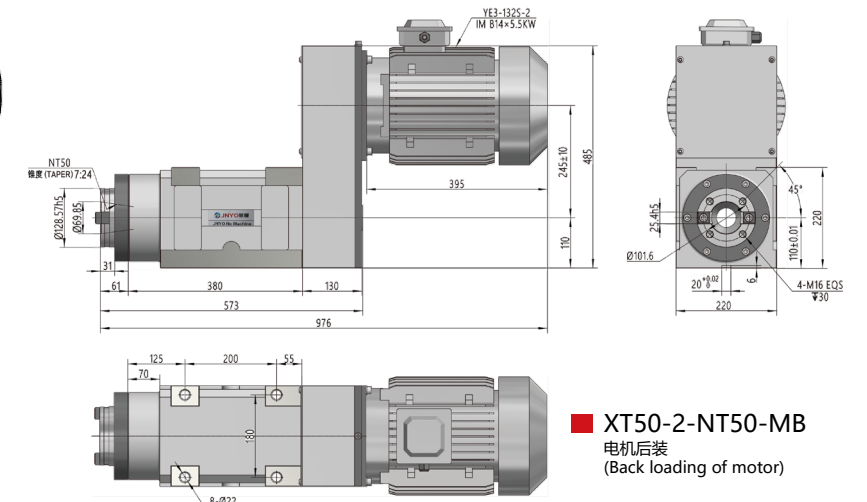
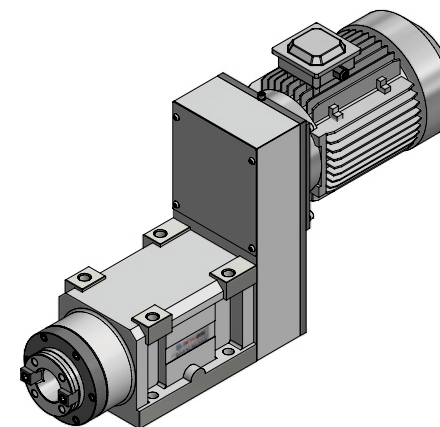
※ 可接受特殊规格动力头定制

※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向下前置 / 向下后置。

※ The motor power and speed can be configured with speed ratio of triangular belt, synchronous belt and poly V-belt according to the requirement.

※ The customization of power head with special specification can be accepted.

※ The front loading of left side for 90° / front loading of right side for 90°、back loading of left side for 90° / back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.



■ XT50-2-NT50-MB
电机后装
(Back loading of motor)

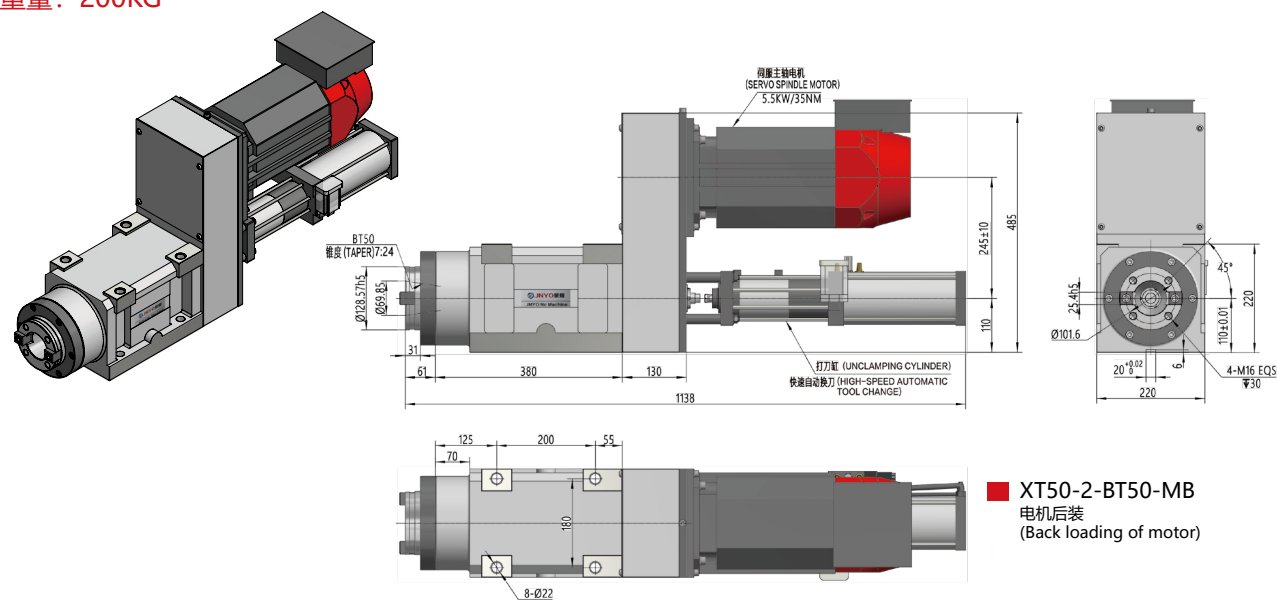
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XT50-2

镗铣主轴头配电机 + 自动换刀 Boring & Milling Head Unit With The Motor+ATC

Made in China Spirit in Global

重量: 200KG



XT50-2-BT50-MB
电机后装
(Back loading of motor)

主轴头选用增压式打刀缸使用，结构紧凑，高速自动换刀的优势。主要应用到全自动化设备，可配合各种刀库实现储备一定数量的刀具并完成刀具自动交换功能的自动换刀装置。进一步提高数控机床的加工效率，实现一次装夹即可完成多道工序；组配成为数控铣床或加工中心主轴系统部件。

The booster-type unclamping cylinder is adopted for the spindle head, so that it has the advantages of compact structure and high-speed automatic tool change. It is mainly applied to the full-automatic equipment, and can realize to store a certain quantity of cutter and automatic tool changer completing the automatic exchange function of cutter by matching the various tool magazines. The processing efficiency of the numerical control machine tool is further improved, and one clamping is realized, namely, many processes can be completed; and it is assembled into the CNC milling machine or component of the spindle system in the machining center.

- 缩短非切削时间，提高生产效率，可使非切削时间减少到 20%-30%；减少人工换刀频率的劳动重复性。
The non-cutting time is shortened, the production efficiency is improved, and the non-cutting time can be reduced to 20%-30%; and the labor repeatability of the manual tool change frequency is reduced.
- 工序集中，扩大数控机床工艺范围，减少占地面积。
The process is concentrated, so as to expand the process range of the CNC numerical control machine tool, reduce the floor space.
- 提高加工精度，刀具重复定位精度高，安全可靠的特性。
Improve the machining precision; and moreover, it has characteristics of high repeated positioning accuracy of the cutter and safety and reliability.

产品参数 PRODUCT PARAMETERS

三相异步电机	Three-phase asynchronous motor	5.5KW...15KW	2P(3000RMP)/4P(1500RMP)/6P(1000RMP)	
伺服主轴电机	Servo spindle motor	5.5KW...15KW	额定转速 (Rated Speed) 1500RPM	最高转速 (Max. Speed) 4500RPM
变频电机	Variable frequency motor	5.5KW...15KW	额定频率 (Rated Frequency) 50Hz	最大频率 (Max. Frequency) 80Hz
减速电机	Gear motor	5.5KW...15KW	选配 (Optional)	

※ 电机功率及转速可根据需求，使用三角带、同步带、多楔带速比配置。

※ 可接受特殊规格动力头定制

※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向下前置 / 向下后置。

※ The motor power and speed can be configured with speed ratio of triangular belt, synchronous belt and poly V-belt according to the requirement.

※ The customization of power head with special specification can be accepted.

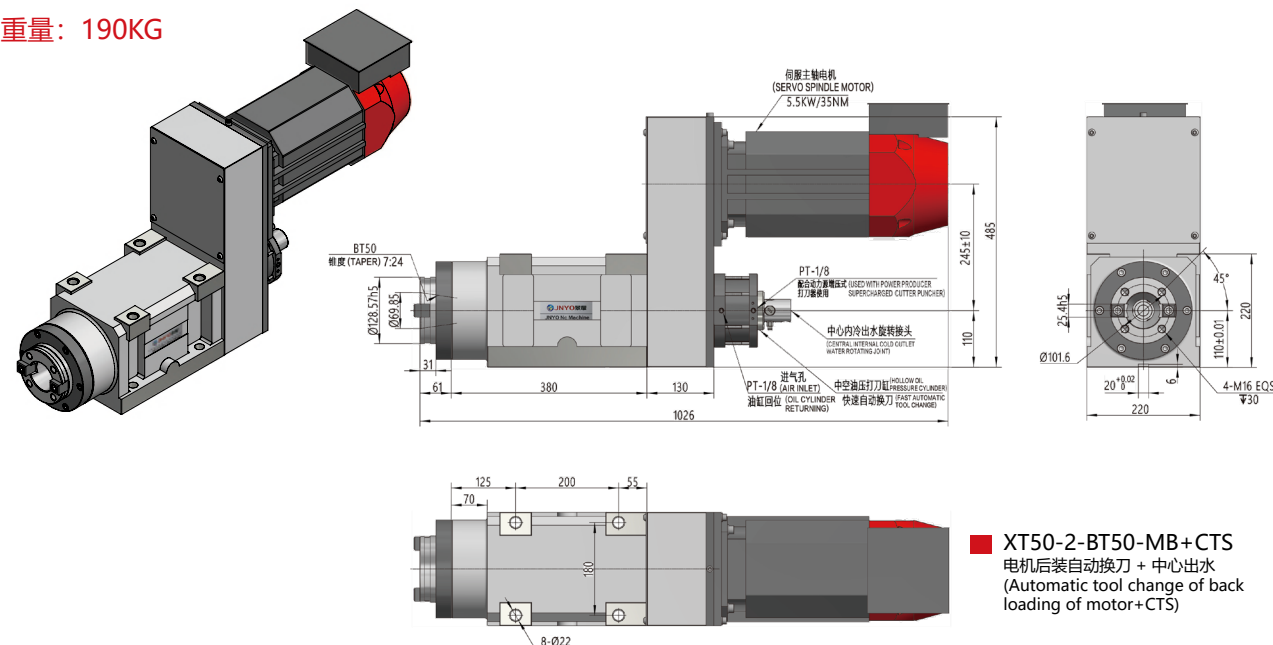
※ The front loading of left side for 90° / front loading of right side for 90° , back loading of left side for 90° / back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.

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镗铣主轴头配电机 + 自动换刀 + 中心出水 Boring & Milling Head Unit With The Motor+ATC+CTS



重量: 190KG



XT50-2-BT50-MB+CTS
电机后装自动换刀 + 中心出水
(Automatic tool change of back loading of motor+CTS)

主轴头选用中空油压打刀缸配合增压式打刀器使用，专为主轴中心出水而设计；结构紧凑，高速自动换刀的优势。以压缩空气为动力源，油为介质，将输入压力变换，以较高压力输出产生强大推力的工作原理。主轴贯通内冷装置，由精密旋转接头，高压冷却装置组成及冷却液精过滤装置组成，是当今 CNC 机床高效加工和保证主轴长效运转的首选装置，需选择与主轴锥度匹配的中空内冷专用刀柄、拉钉及刀具。

The supercharged type cylinder is adopted for the spindle head, so that it has the advantages of compact structure and high-speed automatic tool change. It is mainly applied to the full-automatic equipment, and can realize to store a certain quantity of cutter and automatic tool changer completing the automatic exchange function of cutter by matching the various tool magazines. The processing efficiency of the CNC machine tool is further improved, and one clamping is realized, namely, many processes can be completed; and it is assembled into the CNC milling machine or component of the spindle system in the machining center. The gearbox is composed of the high speed (1:1), neutral gear and low speed (1:4); and the rough machining and finish machining become possible at the same time by virtue of the high and low speed switching which can shift the gear.

中心出水内冷的特点 (Characteristics of internal cooling of CTS)

- 由于中空内冷主轴的冷却液是从刀具上喷出的，能够直接作用在工件上和刀具的切削部位，冷却效果要优于普通主轴，使加工件的表面质量更好，外冷却由于受刀具旋转离心力的影响冷却液大部份被刀具甩出因此冷却效果不佳。
As the cooling liquid of the hollow internal cooling spindle is ejected from the cutter, the cooling effect of the cutting part which can directly act on the workpiece and cutter is superior to that of the common spindle, so that the surface quality of the machined part is better. The external cooling is affected by the rotary centrifugal force of the cutter, and most of cooling liquid is thrown away by the cutter, therefore, the cooling effect is bad.
- 更适合于深孔加工，在加工深孔时，通过主轴中心的贯穿孔将冷却液输送到刀柄并通过刀柄及刀具上的贯穿孔喷出，所以对刀具的切削部份和工件的冷却效果明显要好于外冷却装置，而且切屑通过高压冷却液能顺利地通过钻头的螺旋槽快速排出，从而能实现连续切削，提高加工效率和刀具耐用度。
It is more suitable for the deep hole working. When processing the deep hole, the cooling liquid is transported to the knife handle through the through hole of the spindle center and ejected through the through hole on the cutter, therefore, the cooling effect of the cutting part and workpiece of the cutter is obviously better than that of the external cooling device, and cuttings can be rapidly discharged through the spiral chute of the drill smoothly by virtue of the high-pressure cooling liquid, thus, realizing the continuous cutting, and improving the processing efficiency and cutter endurance.
- 由于主轴高速旋转加工时冷却液经过主轴中心孔时能带走一部份热量，这就更有利于提高主轴的使用寿命与主轴精度，同时也能够避免主轴热变形而影响加工件精度的问题。
The cooling liquid can bring a part of heat through the spindle center hole when the spindle rotates and processes at high speed, which is more beneficial to improving the service lifespan and precision of the spindle, and meanwhile, being able to avoid the problems of affecting the precision of the machined part due to the thermal deformation of the spindle.

■ 出厂附精度检测表 (Table for accuracy detection is attached while delivery)

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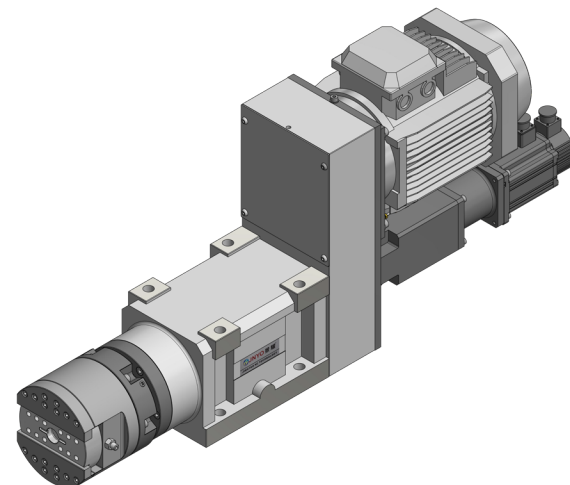
XT50-2

伺服展刀动力头 Facing Spindle Head Unit-Servo Type

Made in China Spirit in Global

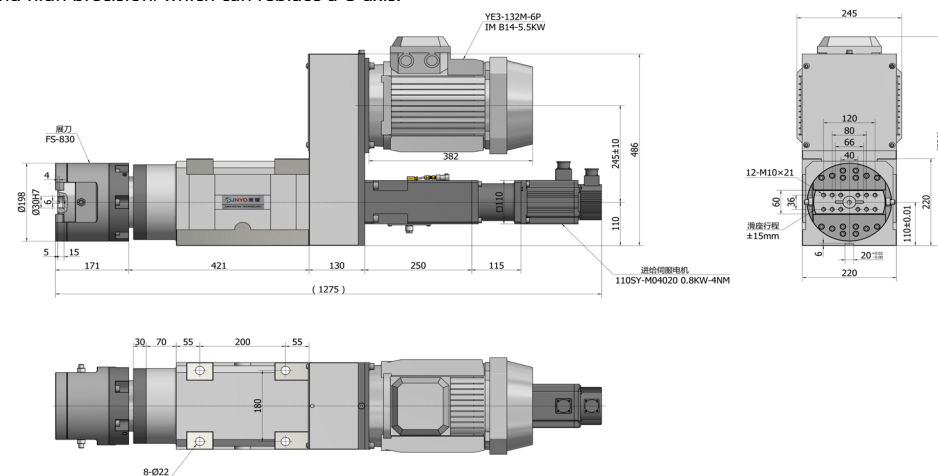
■ XT50-2-BT50-SMB+FS-830

重量: 235KG



伺服展刀动力头在工件固定不旋转的加工情况下，涉及到箱体类零件上，可进行复杂轮廓、数控插补运动、车内外端面、内外沟槽、内外螺纹、直线镗孔、多台阶复合镗孔、倒角、锥度等，展刀做旋转运动，伺服控制横向运动，取代了车床。其机构紧凑，精度高，可替代一个U轴向。

Servo facing head in the workpiece fixed not rotating processing, involving box parts, it can carry out complex contour, CNC interpolation movement, internal and external end faces, internal and external grooves, internal and external threads, linear boring, multi-step compound boring, chamfering, taper, etc. the facing head spreading makes rotation movement, servo control horizontal movement, replacing the lathe. Its mechanism is compact and high precision. which can replace a U axis.



产品参数 PRODUCT PARAMETERS

规格	Model	XT50-2
展刀型号	Facing Head Model	FS-830
主轴	Spindle	BT50
最高转速	Max.RPM	800
轴承	Bearing	30216×2 6214Z×2
润滑方式	Lubrication Mode	高速轴承润滑脂 (High Speed Bearing Grease)
温升	Rising Temperature	≤ 20°C
真圆度	Roundness	≤ 0.004mm
最大动力	Max.Power	≤ 20 HP
丝杠轴承座轴承	Bearing of Ballscrew Bearing Block	760204/DB/2RS
展刀轴承座轴承	Bearing of Facing Head Model	760204 TN1
展刀滑座行程	Facing Head Slider Stroke	30mm
展刀重复定位精度	Facing Head Repeated Positioning Accuracy	≤ 0.005mm
滚珠丝杠	Ball Screws	Φ25×5

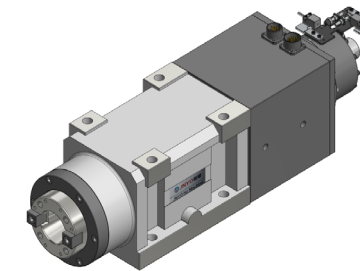
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XT50-2-BT50-DC

后置式电主轴 Rear mounted motorized spindle

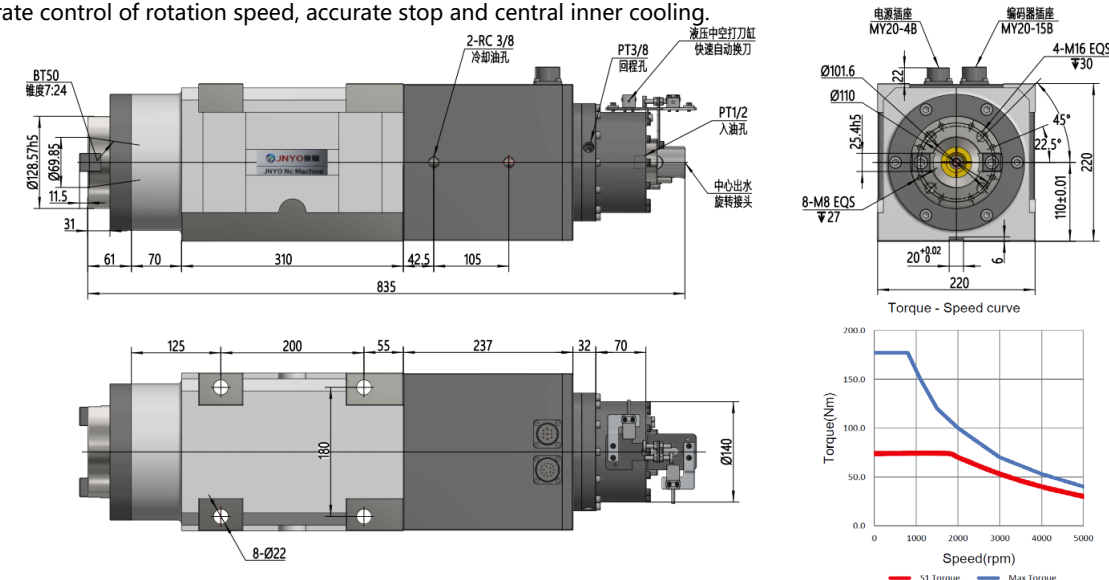
Made in China Spirit in Global

重量: 185KG



后置式电主轴传动形式为后置式电机直接驱动，配有水冷却系统。由于电机的散热条件比较好，轴承温升低，主轴的热变形小，能够传递很高的转速和扭矩，而且刚性好，机构紧凑，可大大提高机床的生产效率和工件的加工质量。主轴具有自动松拉刀、精确控制转速和实现准停、中心内冷等功能。

The rear motorized spindle is directly driven by rear motor and equipped with water cooling system. Due to the good heat dissipation condition of the motor, low temperature rise of the bearing, small thermal deformation of the spindle, high speed and torque transmission, good rigidity and compact mechanism, the production efficiency of the machine tool and the processing quality of the workpiece can be greatly improved. The spindle has the functions of automatic release of broach, accurate control of rotation speed, accurate stop and central inner cooling.



产品参数 PRODUCT PARAMETERS

规格	Model	XT50-2-BT50-DC
主轴	Spindle	BT50
最高转速 (RPM)	Max. Speed(RPM)	5000
轴承	Bearing	前 7016AC×3 (TBT) 后 7014AC×2 (DB)
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)
真圆度	Roundness	≤ 0.004mm
中心内冷	Roundness	可选
松刀方式	Tool release mode	液压 / 增压式打刀器 (Hydraulic/supercharged cutter)
电压	Voltage	380V
额定功率	Rated power	11.6KW
额定频率	Rated frequency	150HZ
额定电流	Rated current	29.1A
额定转矩	Rated torque	74NM
额定转速	Rated speed	1500
冷却制冷功率	Cooling power	2.1KW
冷却最小流量	Minimum cooling flow	3L/Min
冷却入口温度	Cooling inlet temperature	30° C
编码器类型	Speed fbk sel	RS422 (TTL) - 标配 1VPP- 选配

■ 出厂附精度检测表 (Table for accuracy detection is attached while delivery)

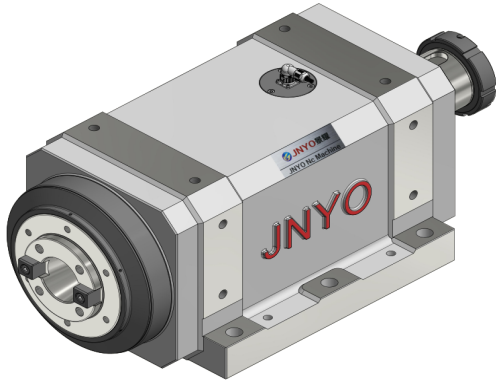
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XT60-1&2

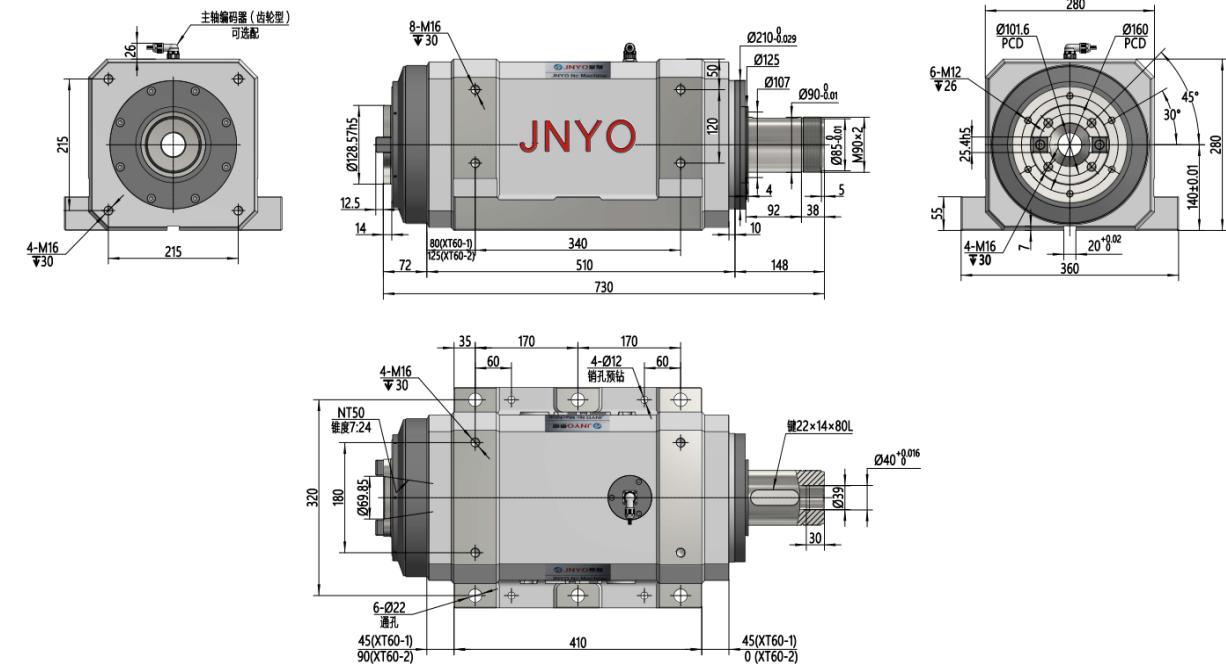
镗铣主轴头
Boring & Milling Head Unit

Made in China Spirit in Global

- XT60-1&2-NT50
- XT60-1&2-BT50
- 重量: 330KG



- XT60-1&2 主轴头加强型主轴形式:
XT60-1&2 spindle head spindle form:
- NT50 为锥度 7:24 的传统型后拉杆装刀。
NT50 taper 7: After 24 of the traditional the knife .
- BT50 为锥度 7:24 的自动换刀装置。
BT50 taper 7: 24 ATC device.



产品参数 PRODUCT PARAMETERS			
规格	Model	XT60-1&2	
主轴	Spindle	NT50/BT50	
最高转速 (RPM)	Max. Speed(RPM)	1500	3000
轴承	Bearing	前 NN3026K×1+234426BM1×1 后 NN3022K×1	前 7026AC×3(TBT) 后 7022AC×2(DB)
润滑方式	Lubrication Mode	高速轴承润滑脂 (High-speed Bearing Grease)	
温升	Temperature Rise	≤ 20℃	
真圆度	Roundness	≤ 0.004mm	
最大动力	Max. Power	≤ 30HP	

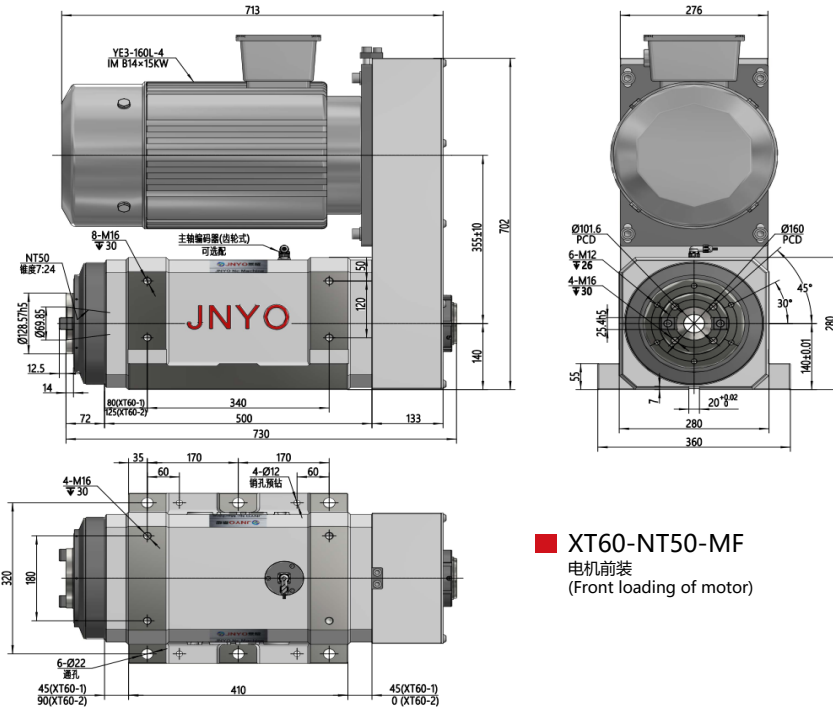
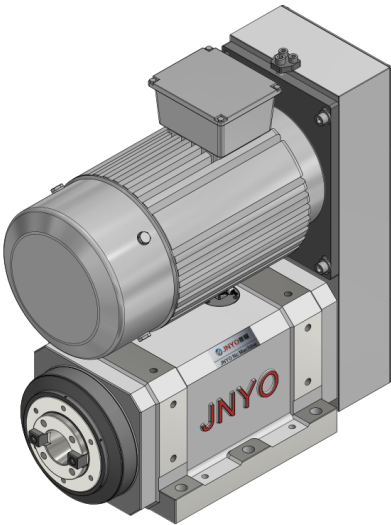
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镗铣主轴头配电机
Boring & Milling Head Unit With The Motor



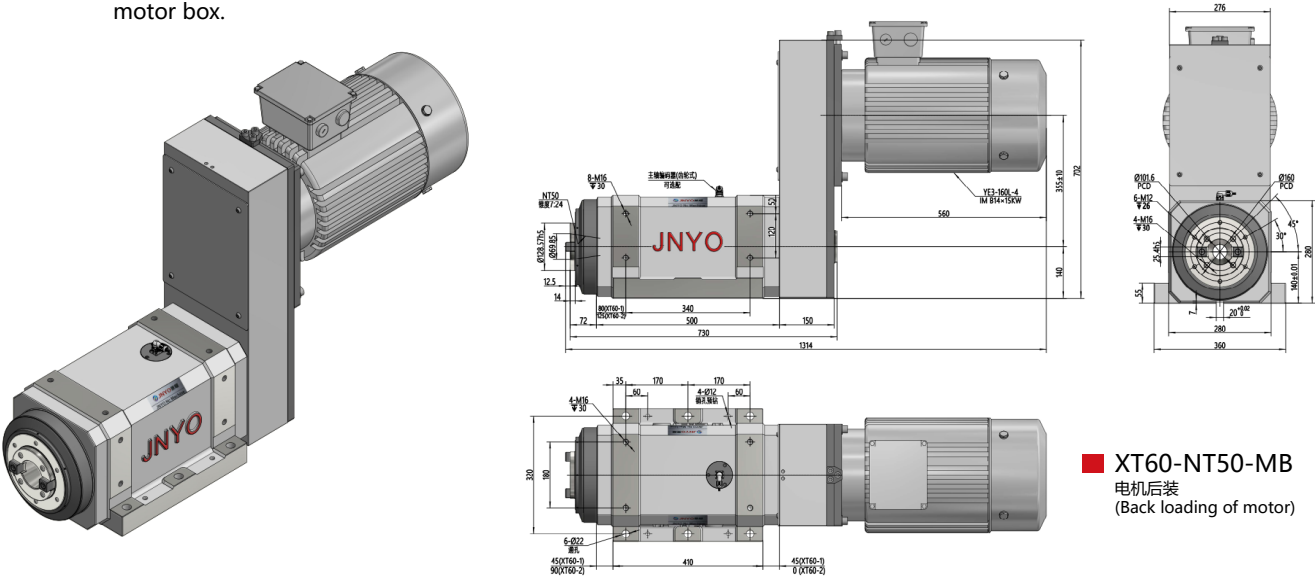
重量: 700KG



XT60-NT50-MF
电机前装
(Front loading of motor)

产品参数 PRODUCT PARAMETERS			
三相异步电机	Three-phase asynchronous motor	11KW...30KW	2P(3000RPM)/4P(1500RPM)/6P(1000RPM)
伺服主轴电机	Servo spindle motor	11KW...30KW	额定转速 (Rated Speed) 1500RPM 最高转速 (Max. Speed) 3000RPM
变频电机	Variable frequency motor	11KW...30KW	额定频率 (Rated Frequency) 50Hz 最大频率 (Max. Frequency) 80Hz
减速电机	Gear motor	11KW...30KW	选配 (Optional)

※ 电机功率及转速可根据需求，使用三角带、同步带、多楔带速比配置。
※ 可接受特殊规格动力头定制
※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向下前置 / 向下后置。
※ The motor power and speed can be configured with speed ratio of triangular belt, synchronous belt and poly V-belt according to the requirement.
※ The customization of power head with special specification can be accepted.
※ The front loading of left side for 90° / front loading of right side for 90° , back loading of left side for 90° / back loading of right side for 90° and downward preposition/downward postposition can also be carried out in the configuration direction of motor box.



XT60-NT50-MB
电机后装
(Back loading of motor)

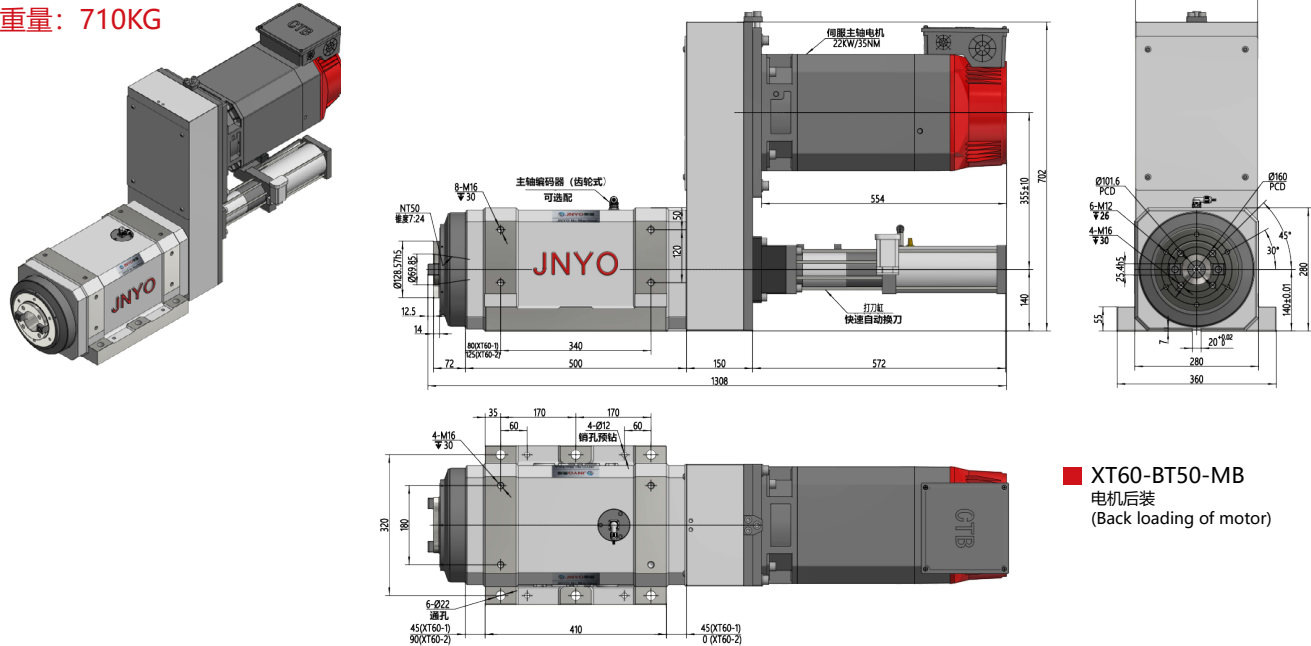
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XT60-1&2

镗铣主轴头配电机 + 自动换刀
Boring & Milling Head Unit With The Motor+ATC

Made in China Spirit in Global

重量: 710KG



主轴头选用增压式打刀缸使用，结构紧凑，高速自动换刀的优势。主要应用到全自动化设备，可配合各种刀库实现储备一定数量的刀具并完成刀具自动交换功能的自动换刀装置。进一步提高数控机床的加工效率，实现一次装夹即可完成多道工序；组配成为数控铣床或加工中心主轴系统部件。

The booster-type unclamping cylinder is adopted for the spindle head, so that it has the advantages of compact structure and high-speed automatic tool change. It is mainly applied to the full-automatic equipment, and can realize to store a certain quantity of cutter and automatic tool changer completing the automatic exchange function of cutter by matching the various tool magazines. The processing efficiency of the numerical control machine tool is further improved, and one clamping is realized, namely, many processes can be completed; and it is assembled into the CNC milling machine or component of the spindle system in the machining center.

- 缩短非切削时间，提高生产效率，可使非切削时间减少到 20%-30%；减少人工换刀频率的劳动重复性。
The non-cutting time is shortened, the production efficiency is improved, and the non-cutting time can be reduced to 20%-30%; and the labor repeatability of the manual tool change frequency is reduced.
- 工序集中，扩大数控机床工艺范围，减少占地面积。
The process is concentrated, so as to expand the process range of the CNC numerical control machine tool, reduce the floor space.
- 提高加工精度，刀具重复定位精度高，安全可靠的特性。
Improve the machining precision; and moreover, it has characteristics of high repeated positioning accuracy of the cutter and safety and reliability.

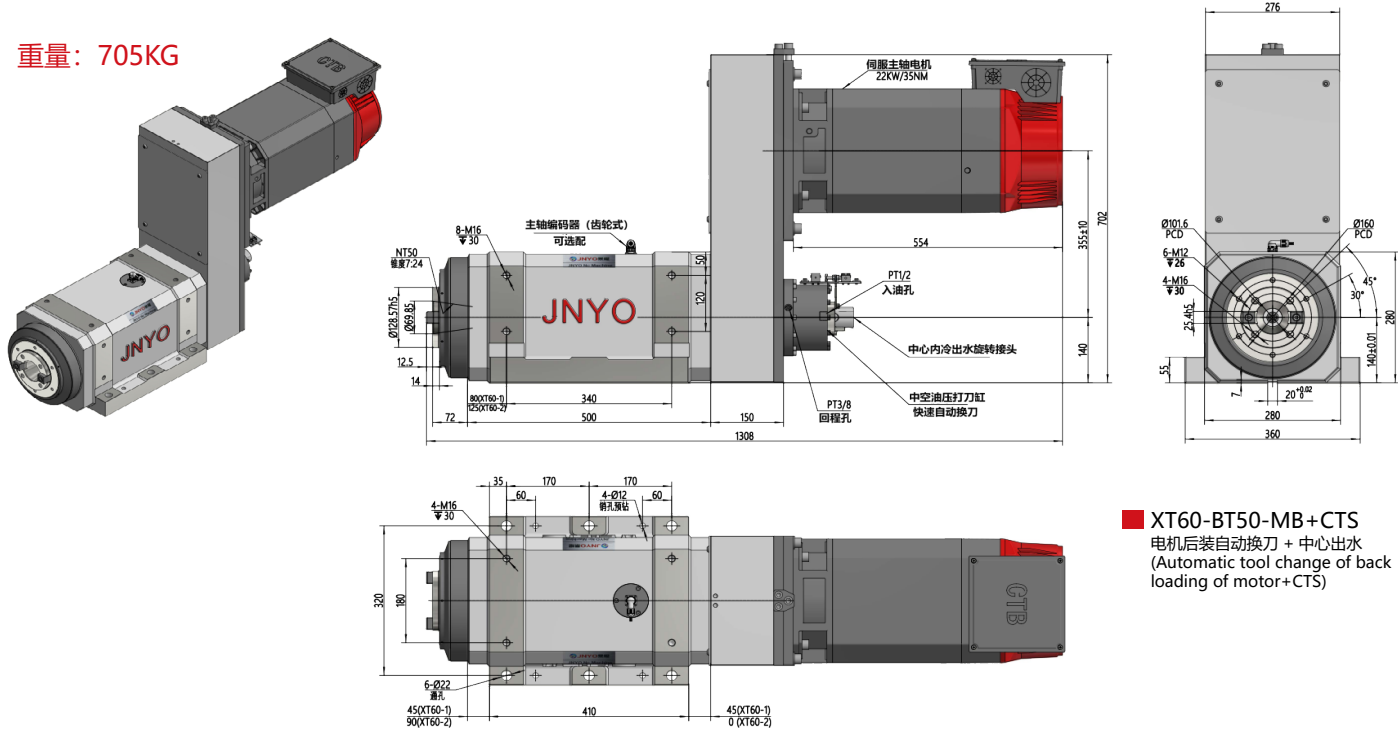
产品参数 PRODUCT PARAMETERS				
三相异步电机	Three-phase asynchronous motor	11KW...30KW	2P(3000RMP)/4P(1500RMP)/6P(1000RMP)	
伺服主轴电机	Servo spindle motor	11KW...30KW	额定转速 (Rated Speed) 1500RPM	最高转速 (Max. Speed) 3000RPM
变频电机	Variable frequency motor	11KW...30KW	额定频率 (Rated Frequency) 50Hz	最大频率 (Max. Frequency) 80Hz
减速电机	Gear motor	11KW...30KW	选配 (Optional)	

※ 电机功率及转速可根据需求，使用三角带、同步带、多楔带速比配置。
※ 可接受特殊规格动力头定制
※ 电机箱体配置方向还能前装左侧 90° / 前装右侧 90°、后装左侧 90° / 后装右侧 90°、向下前置 / 向下后置。
※ The motor power and speed can be configured with speed ratio of triangular belt, synchronous belt and poly V-belt according to the requirement.
※ The customization of power head with special specification can be accepted.
※ The front loading of left side for 90° / front loading of right side for 90°, back loading of left side for 90° / back loading of right side for 90° and downward preposition / downward postposition can also be carried out in the configuration direction of motor box.

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镗铣主轴头配电机 + 自动换刀 + 中心出水
Boring & Milling Head Unit With The Motor+ATC+CTS

重量: 705KG



主轴头选用中空油压打刀缸配合增压式打刀器使用，专为主轴中心出水而设计，结构紧凑，高速自动换刀的优势。以压缩空气为动力源，油为介质，将输入压力变换，以较高压力输出产生强大推力的工作原理。主轴贯通内冷装置，由精密旋转接头，高压冷却装置组成及冷却液精过滤装置组成，是当今 CNC 机床高效加工和保证主轴长效运转的首选装置，需选择与主轴锥度匹配的中空内冷专用刀柄、拉钉及刀具。

The supercharged type cylinder is adopted for the spindle head, so that it has the advantages of compact structure and high-speed automatic tool change. It is mainly applied to the full-automatic equipment, and can realize to store a certain quantity of cutter and automatic tool changer completing the automatic exchange function of cutter by matching the various tool magazines. The processing efficiency of the CNC machine tool is further improved, and one clamping is realized, namely, many processes can be completed; and it is assembled into the CNC milling machine or component of the spindle system in the machining center. The gearbox is composed of the high speed (1:1), neutral gear and low speed (1:4); and the rough machining and finish machining become possible at the same time by virtue of the high and low speed switching which can shift the gear.

中心出水内冷的特点 (Characteristics of internal cooling of CTS)

- 由于中空内冷主轴的冷却液是从刀具上喷出的，能够直接作用在工件上和刀具的切削部位，冷却效果要优于普通主轴，使加工件的表面质量更好，外冷却由于受刀具旋转离心力的影响冷却液大部份被刀具甩出因此冷却效果不佳。
As the cooling liquid of the hollow internal cooling spindle is ejected from the cutter, the cooling effect of the cutting part which can directly act on the workpiece and cutter is superior to that of the common spindle, so that the surface quality of the machined part is better. The external cooling is affected by the rotary centrifugal force of the cutter, and most of cooling liquid is thrown away by the cutter, therefore, the cooling effect is bad.
- 更适合于深孔加工，在加工深孔时，通过主轴中心的贯穿孔将冷却液输送到刀柄并通过刀柄及刀具上的贯穿孔喷出，所以对刀具的切削部份和工件的冷却效果明显要好于外冷却装置，而且切屑通过高压冷却液能顺利地通过钻头的螺旋槽快速排出，从而能实现连续切削，提高加工效率和刀具耐用度。
It is more suitable for the deep hole working. When processing the deep hole, the cooling liquid is transported to the knife handle through the through hole of the spindle center and ejected through the through hole on the cutter, therefore, the cooling effect of the cutting part and workpiece of the cutter is obviously better than that of the external cooling device, and cuttings can be rapidly discharged through the spiral chute of the drill smoothly by virtue of the high-pressure cooling liquid, thus, realizing the continuous cutting, and improving the processing efficiency and cutter endurance.
- 由于主轴高速旋转加工时冷却液经过主轴中心孔时能带走一部份热量，这就更有利于提高主轴的使用寿命与主轴精度，同时也能够避免主轴热变形而影响加工件精度的问题。
The cooling liquid can bring a part of heat through the spindle center hole when the spindle rotates and processes at high speed, which is more beneficial to improving the service lifespan and precision of the spindle, and meanwhile, being able to avoid the problems of affecting the precision of the machined part due to the thermal deformation of the spindle.

■ 出厂附精度检测表 (Table for accuracy detection is attached while delivery)

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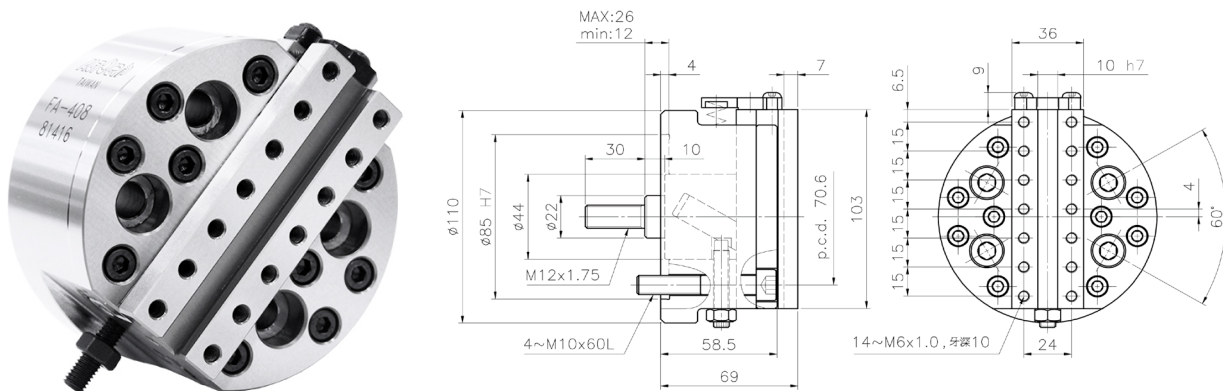
FA-408

单向型展刀头 Unidirectional Spreading Tool Bit

Made in China Spirit in Global

重量: 4.5KG

- 单滑块展刀进给机构是斜楔式的传动方式，进给速度稳定，便于进给速度与行程的调整。
Single slider broaching feed mechanism is a wedge-type transmission mode, with stable feed speed and convenient adjustment of feed speed and stroke.
- 滑动面均经过硬化以及精密研磨，刚性与耐久性极佳。
The sliding surfaces are hardened and precision ground, and have excellent rigidity and durability.
- 可与行控型回转油压缸搭配使用或搭配伺服马达以及滚珠丝杠机构做精密展刀加工，用于复杂轮廓、数控插补运动、车内外端面、内外沟槽、内外螺纹、直线镗孔、多台阶复合镗孔、倒角、锥度等。
It can be used with line-controlled rotary hydraulic cylinder or with servo motor and ball screw mechanism for precision broaching, which is used for complex contour, numerical control interpolation movement, turning inner and outer end faces, inner and outer grooves, inner and outer threads, straight boring, multi-step compound boring, chamfering, taper, etc.
- 在拥有最大总刚性的同时，进行中到大难度的加工。
While possessing the maximum total rigidity, it can carry out moderate to difficult machining.
- 定义的装载式刀具的重量可以通过特定的配重平衡重量来平衡。
The weight of a defined loading tool can be balanced by a specific counterweight.
- 极限转速和操作力取决于展刀头规格、刀具重量、刀具长度以及滑块位置。
The limit speed and operating force depend on the specifications of the spreading head, the weight of the tool, the length of the tool and the position of the slider.



产品参数 PRODUCT PARAMETERS

规格	Model	FA-408
楔心行程	Wedge Center Stroke	14mm
滑座行程	Slide Travel	8mm
最高转速	Max.RPM	1600/min
最大进给速度	Maximum Feed Speed	400mm/min
适用回转缸	Applicable Rotary Cylinder	RS-6520N
最大使用压力	Maximum Service Pressure	10kgf/cm ²
定位精度	Positioning Accuracy	±0.03mm
重复定位精度	Repeated Positioning Accuracy	0.005mm

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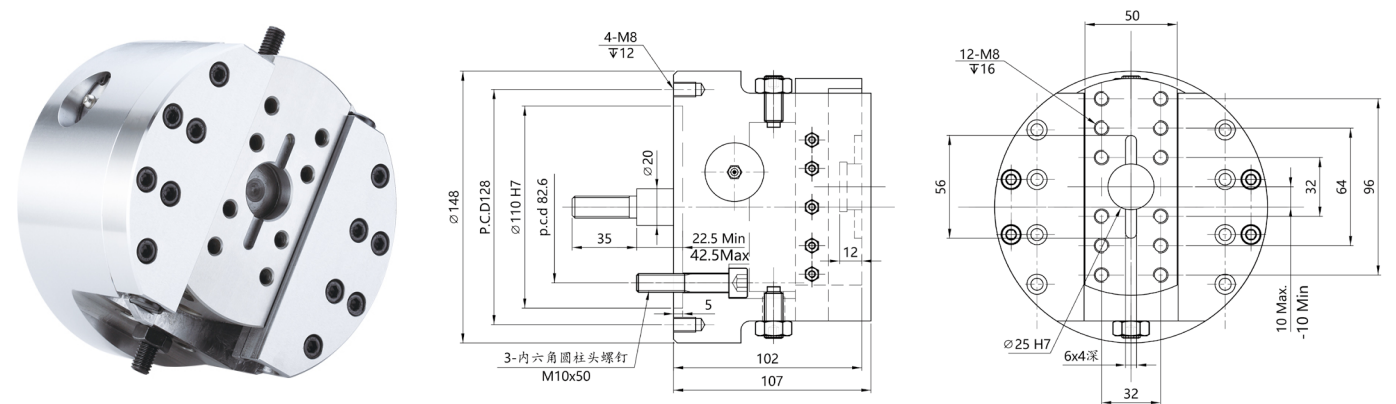
FA-620

单向型展刀头 Unidirectional Spreading Tool Bit

Made in China Spirit in Global

重量: 12.5KG

- 单滑块展刀进给机构是以齿条与齿轮的传动方式，进给速度稳定，便于进给速度与行程的调整。
The single slider broaching feed mechanism is driven by rack and gear, and the feed speed is stable and convenient.
- 滑动面均经过硬化以及精密研磨，刚性与耐久性极佳。
The sliding surfaces are hardened and precision ground, and have excellent rigidity and durability.
- 可与行控型回转油压缸搭配使用或搭配伺服马达以及滚珠丝杠机构做精密展刀加工，用于复杂轮廓、数控插补运动、车内外端面、内外沟槽、内外螺纹、直线镗孔、多台阶复合镗孔、倒角、锥度等。
It can be used with line-controlled rotary hydraulic cylinder or with servo motor and ball screw mechanism for precision broaching, which is used for complex contour, numerical control interpolation movement, turning inner and outer end faces, inner and outer grooves, inner and outer threads, straight boring, multi-step compound boring, chamfering, taper, etc.
- 展刀皆为背隙可消除式。
The broaches are all backgap-eliminating.
- 在拥有最大总刚性的同时，进行中到大难度的加工。
While possessing the maximum total rigidity, it can carry out moderate to difficult machining.
- 定义的装载式刀具的重量可以通过特定的配重平衡重量来平衡。
The weight of a defined loading tool can be balanced by a specific counterweight.
- 极限转速和操作力取决于展刀头规格、刀具重量、刀具长度以及滑块位置。
The limit speed and operating force depend on the specifications of the spreading head, the weight of the tool and the length of the tool.



产品参数 PRODUCT PARAMETERS

规格	Model	FA-620
楔心行程	Wedge Center Stroke	20mm
滑座行程	Slide Travel	20mm
最高转速	Max.RPM	1200/min
最大进给速度	Maximum Feed Speed	300mm/min
适用回转缸	Applicable Rotary Cylinder	CS-6520N
最大使用压力	Maximum Service Pressure	12kgf/cm ²
容许油压缸推力	Allowable Hydraulic Cylinder Thrust	340kgf
定位精度	Positioning Accuracy	±0.03mm
重复定位精度	Repeated Positioning Accuracy	0.005mm

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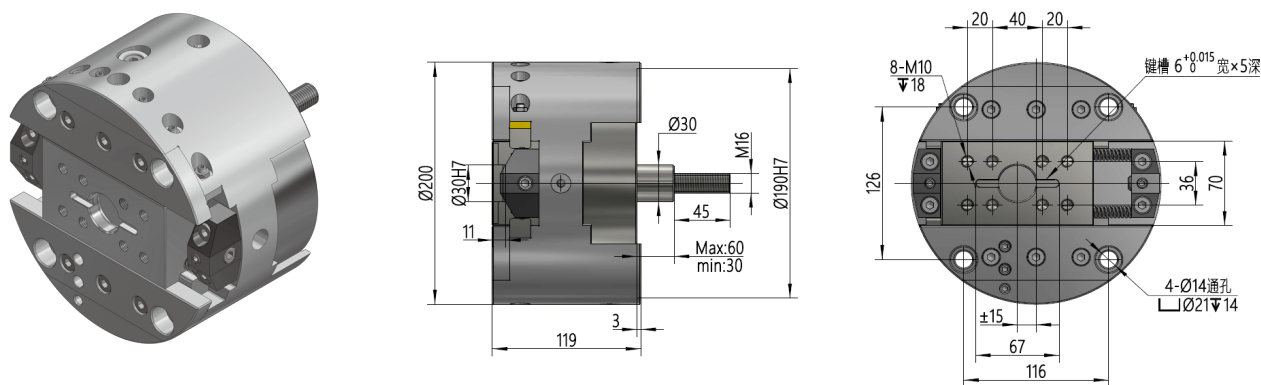
FA-830

单向型展刀头 Unidirectional Spreading Tool Bit

Made in China Spirit in Global

重量: 25KG

- 带配重平衡滑块的单滑块展刀，进给机构是以齿条与齿轮的传动方式，进给速度稳定，便于进给速度与行程的调整。
The feeding mechanism of single slide broaching tool with counterweight balance slide block is rack and gear transmission mode, which is stable in feeding speed and convenient for adjusting feeding speed and stroke.
- 滑动面均经过硬化以及精密研磨，刚性与耐久性极佳。
The sliding surfaces are hardened and precision ground, and have excellent rigidity and durability.
- 可与行控型回转油压缸搭配使用或搭配伺服马达以及滚珠丝杠机构做精密展刀加工，用于复杂轮廓、数控插补运动、车内外端面、内外沟槽、内外螺纹、直线镗孔、多台阶复合镗孔、倒角、锥度等。
It can be used with line-controlled rotary hydraulic cylinder or with servo motor and ball screw mechanism for precision broaching, which is used for complex contour, numerical control interpolation movement, turning inner and outer end faces, inner and outer grooves, inner and outer threads, straight boring, multi-step compound boring, chamfering, taper, etc.
- 展刀皆为背隙可消除式。
The broaches are all backgap-eliminating.
- 在拥有最大总刚性的同时，进行中到大难度的加工。
While possessing the maximum total rigidity, it can carry out moderate to difficult machining.
- 定义的装载式刀具的重量可以通过特定的配重平衡重量来平衡。
The weight of a defined loading tool can be balanced by a specific counterweight.
- 高转速，通过相对的滑块来实现平衡。
High rotating speed, balancing by opposite sliders.
- 极限转速和操作力取决于展刀头规格、刀具重量、刀具长度以及滑块位置。
The limit speed and operating force depend on the specifications of the spreading head, the weight of the tool, the length of the tool and the position of the slider.



产品参数 PRODUCT PARAMETERS

规格	Model	FA-830
楔心行程	Wedge Center Stroke	30mm
滑座行程	Slide Travel	30mm
最高转速	Max.RPM	1200/min
最大进给速度	Maximum Feed Speed	240mm/min
适用回转缸	Applicable Rotary Cylinder	RS-6530N
最大使用压力	Maximum Service Pressure	18kgf/cm ²
容许油压缸推力	Allowable Hydraulic Cylinder Thrust	500kgf
定位精度	Positioning Accuracy	±0.03mm
重复定位精度	Repeated Positioning Accuracy	0.005mm

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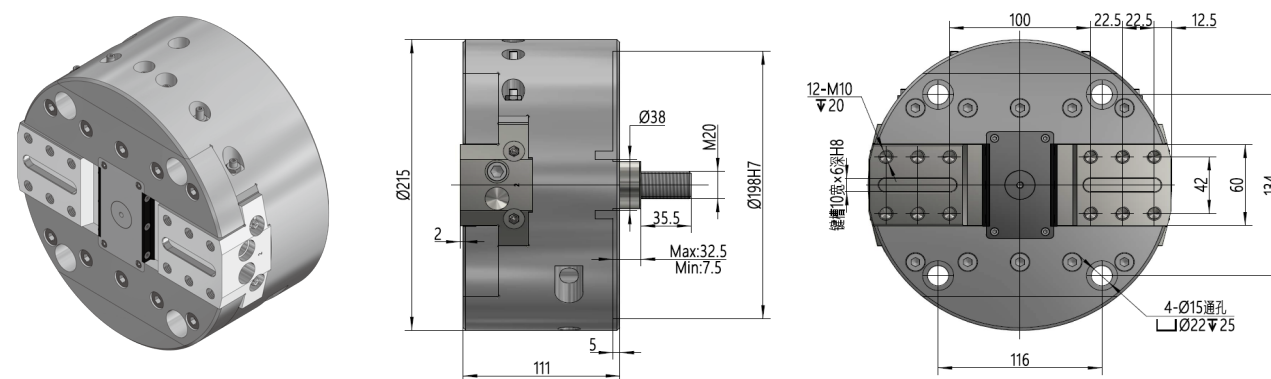
FD-840

双向型展刀头 Bidirectional Spreading Tool Bit

Made in China Spirit in Global

重量: 25KG

- 双滑块展刀是以曲柄为传动方式，进给速度稳定，便于进给速度与行程的调整。
The feeding mechanism of single slide broaching tool with counterweight balance slide block is rack and gear transmission mode, which is stable in feeding speed and convenient for adjusting feeding speed and stroke.
- 滑动面均经过硬化以及精密研磨，刚性与耐久性极佳。
The sliding surfaces are hardened and precision ground, and have excellent rigidity and durability.
- 可与行控型回转油压缸搭配使用或搭配伺服马达以及滚珠丝杠机构做精密展刀加工，用于复杂轮廓、数控插补运动、车内外端面、内外沟槽、内外螺纹、直线镗孔、多台阶复合镗孔、倒角、锥度等。
It can be used with line-controlled rotary hydraulic cylinder or with servo motor and ball screw mechanism for precision broaching, which is used for complex contour, numerical control interpolation movement, turning inner and outer end faces, inner and outer grooves, inner and outer threads, straight boring, multi-step compound boring, chamfering, taper, etc.
- 在拥有最大总刚性的同时，进行中到大难度的加工。
While possessing the maximum total rigidity, it can carry out moderate to difficult machining.
- 定义的装载式刀具的重量可以通过特定的配重平衡重量来平衡。
The weight of a defined loading tool can be balanced by a specific counterweight.
- 高转速，通过相对的滑块来实现平衡。
High rotating speed, balancing by opposite sliders.
- 极限转速和操作力取决于展刀头规格、刀具重量、刀具长度。
The limit speed and operating force depend on the specifications of the spreading head, the weight of the tool and the length of the tool.



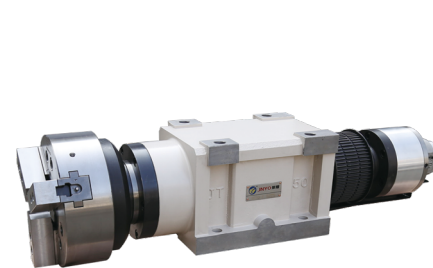
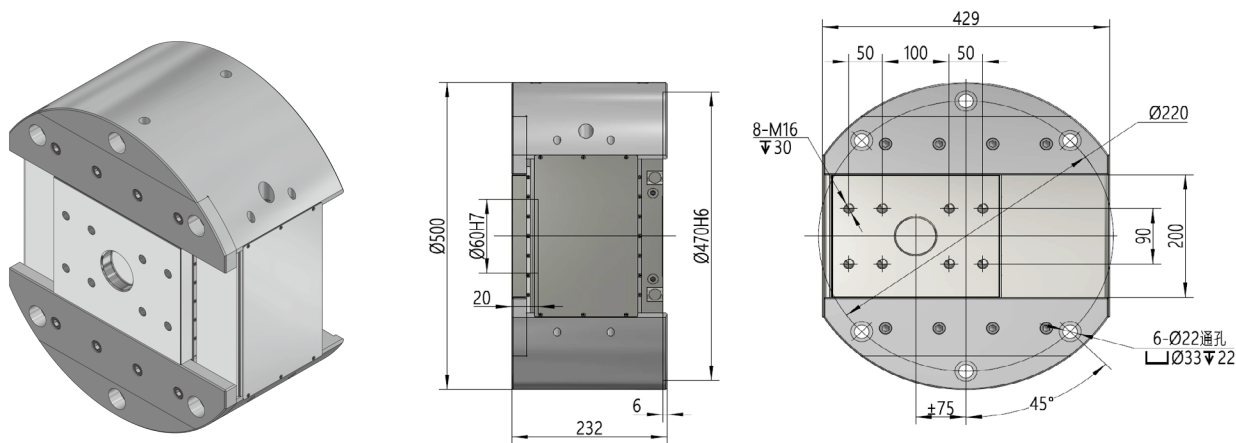
产品参数 PRODUCT PARAMETERS

规格	Model	FD-840
楔心行程	Wedge Center Stroke	25mm
滑座行程	Slide Travel	40mm
最高转速	Max.RPM	2500
最大进给速度	Maximum Feed Speed	240mm/min
适用回转缸	Applicable Rotary Cylinder	RS-1030N
最大使用压力	Maximum Service Pressure	30kgf/cm ²
容许油压缸推力	Allowable Hydraulic Cylinder Thrust	1050kgf
定位精度	Positioning Accuracy	±0.03mm
重复定位精度	Repeated Positioning Accuracy	0.005mm

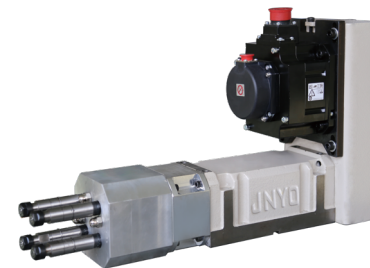
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重量：200KG

- 带配重平衡滑块的单滑块展刀，进给机构是齿轮与滚珠丝杠的传动方式，进给速度稳定，便于进给速度与行程的调整。
The feeding mechanism of the single slider broaching tool with counterweight balancing slider is the transmission mode of gear and ball screw, which is stable in feeding speed and convenient for adjustment of feeding speed and stroke.
- 滑动面均经过硬化以及精密研磨，刚性与耐久性极佳。
The sliding surfaces are hardened and precision ground, and have excellent rigidity and durability.
- 展刀头内置行星减速机、伺服电机驱动，减少机械传动累计误差。
Planetary reducer and servo motor drive are built in the spreading tool bit to reduce the accumulated error of mechanical transmission.
- 用于复杂轮廓、数控插补运动、车内外端面、内外沟槽、内外螺纹、直线镗孔、多台阶复合镗孔、倒角、锥度等。
Used for complex contour, numerical control interpolation movement, turning inner and outer end faces, inner and outer grooves, inner and outer threads, straight boring, multi-step compound boring, chamfering, taper, etc.
- 电源及编码器出线需配置滑环使用。
Power supply and encoder outlet shall be equipped with slip ring.
- 展刀皆为背隙可消除式。
The broaches are all backgap-eliminating.
- 在拥有最大总刚性的同时，进行中到大难度的加工。
While possessing the maximum total rigidity, it can carry out moderate to difficult machining.
- 定义的装载式刀具的重量可以通过特定的配重平衡重量来平衡。
The weight of a defined loading tool can be balanced by a specific counterweight.
- 高转速，通过相对的滑块来实现平衡。
High rotating speed, balancing by opposite sliders.
- 极限转速和操作力取决于展刀头规格、刀具重量、刀具长度以及滑块位置。
The limit speed and operating force depend on the specifications of the spreading head, the weight of the tool, the length of the tool and the position of the slider.



液压卡盘动力头
Hydraulic chuck power head



伺服多轴钻攻动力头
Servo multi axis drilling power head



动力头 + 线轨滑台
Power head + line rail slide



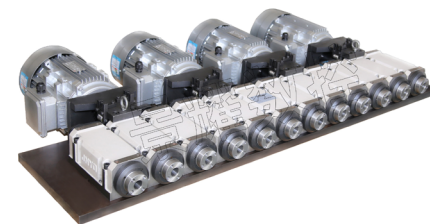
动力头 + 数控十字滑台
+ 分度盘
Power head + CNC cross slide table
+ indexing plate



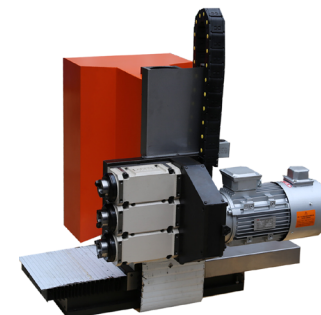
动力头右侧后置 + 立式滑台
+ 数控十字滑台
Power head right rear+ vertical slide platform
+ CNC cross slide



动力头左侧后置 + 立式滑台
+ 数控十字滑台
Power head left rear+ vertical slide platform
+ CNC cross slide



非标动力头
Nonstandard power head



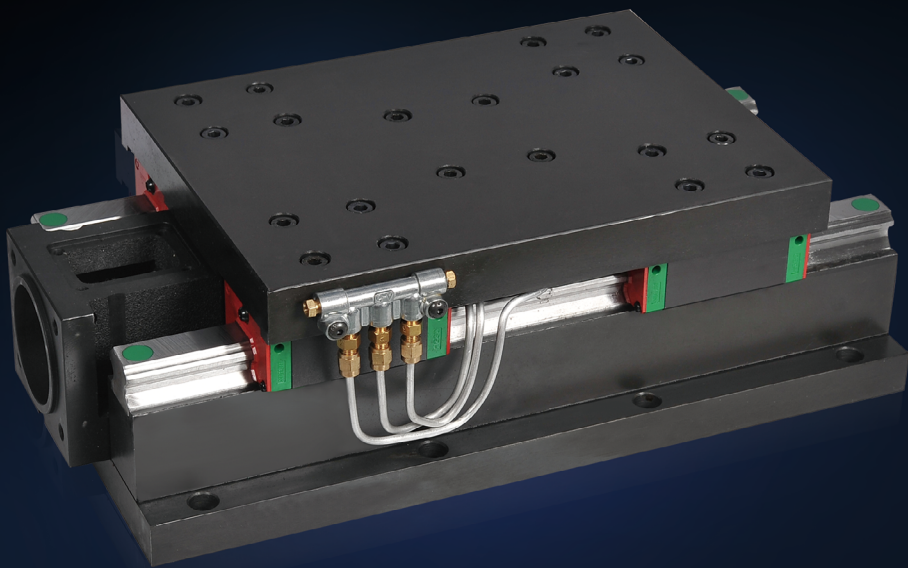
非标动力头
Nonstandard power head

产品参数 PRODUCT PARAMETERS

规格	Model	SFA-2015
滑座行程	Slide Travel	150mm
最高转速	Max.RPM	500
最大进给速度	Maximum Feed Speed	200mm/min
滚珠丝杠	Ball Screw	Ø25×5
减速机速比	Speed Ratio Of Reducer	1: 10
推荐伺服电机扭矩	Recommended Servo Motor Torque	2NM
推荐伺服电机功率	Recommended Servo Motor Power	200-600W
定位精度	Positioning Accuracy	±0.015mm

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数控线轨滑台
CNC Linear Guideway Sliding Table



数控线轨滑台其设计合理、刚性好、精度高、高速往复运动、性能可靠、外形美观；其结构简单，便于维修。配置组合机床、普通机床改造及其自动化生产线不可缺少的基础动力部件。线轨滑台刚性高，热变形小，进给稳定性高，动态性能好。从而保证了加工状态下（负荷下）的实际精度。数控线轨滑台很容易实现高效运作及数控化。所以是实现高精度柔性化的理想部件。配上镗铣主轴头或各种切削头，可分别完成镗、铣、钻、攻、铰、车、镓、等工序加工。

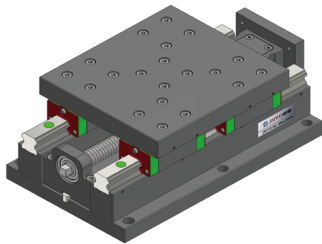
CNC wire rail sliding table is reasonable in design, good rigidity, high precision, high speed reciprocating motion, reliable performance, beautiful appearance; the utility model has the advantages of simple structure and is convenient for maintenance. Configuration combined machine tools, general machine tool transformation and its automatic production line is an essential part of the foundation. Slide rail line high rigidity, small thermal deformation, high feed stability, good dynamic performance. Thus ensuring the actual accuracy of the processing state (load). NC line rail sliding table is to achieve efficient operation and NC easily. So it is ideal to achieve high precision flexible components. With boring and milling spindle or cutting head can be completed, boring, milling, drilling, tapping, reaming, reaming, cars, and other processes.

特点 (Characteristics)

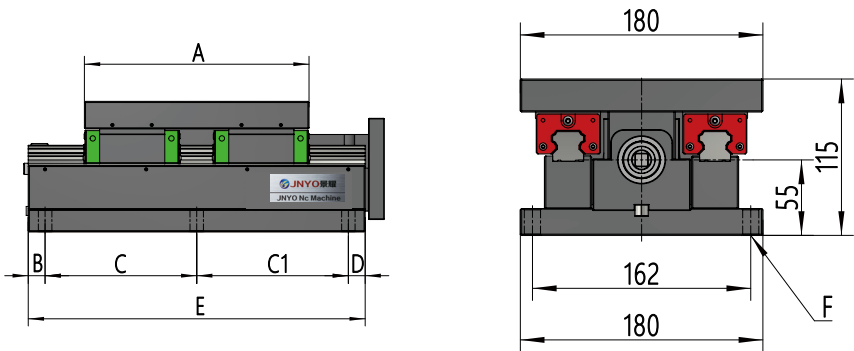
- 采用精密线轨，配合精密滚珠丝杆，做伺服传动，车削、高速铣削往复动作快。
Using precision line rail, cooperate with precision ball screw, servo drive, high speed milling and turning reciprocating fast.
- 传动更轻松，易于实现高速化，动态 / 静态精度高，稳定性更好。
High speed transmission more relaxed, easy to implement, dynamic/static precision, better stability.
- 适用于小型数控 CNC 及自动化生产线，快速切削，多种加工场合。
Suitable for small numerical control CNC and automatic production line, fast cutting, many kinds of processing occasions.
- 结构紧凑，机械效率高，定位精确。
Compact structure, high mechanical efficiency, accurate positioning.
- 运行平稳，没有冲击，导轨不宜磨损，易于维护。
Running smoothly, no impact, the guide is not easy to wear and tear, easy to maintain.

LRS180

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数控线轨滑台
CNC Linear Guideway Sliding Table

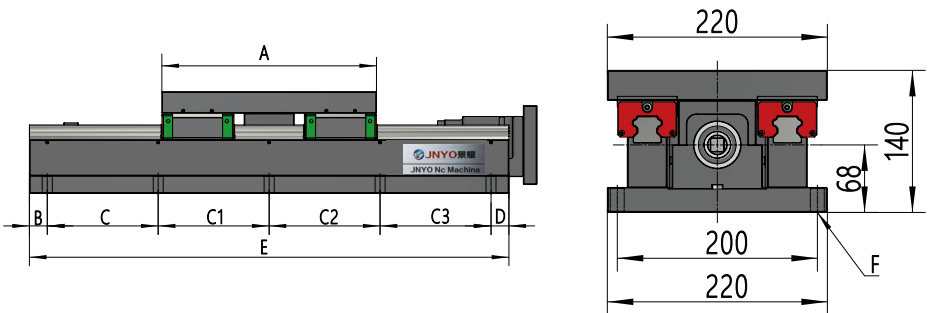
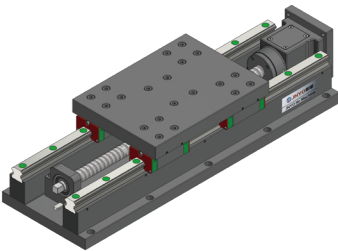


产品参数 PRODUCT PARAMETERS

型 号 Model	A	B	C	C1	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
LRS180x300	200	20	130	130	20	300	6-Φ12	Φ20x4	Φ15	100	20
LRS180x360	200	25	155	155	25	360	6-Φ12			160	25
	250									110	25
LRS180x420	200	30	180	180	30	420	6-Φ12			220	30
	250									170	30

LRS220

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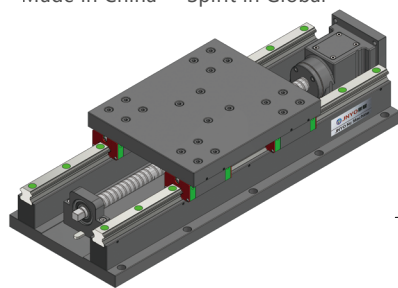
产品参数 PRODUCT PARAMETERS

型 号 Model	A	B	C	C1	C2	C3	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
LRS220x420	300	30	120	120	120	--	30	420	8-Φ14	Φ25x5	Φ17	120	60
LRS220x520	300	20	160	160	160	--	20	520	8-Φ14			220	70
	420											100	75
LRS220x670	300	25	155	155	155	155	25	670	10-Φ14			Φ32x6	Φ22
	420									250	90		
LRS220x800	300	30	185	185	185	185	30	800	10-Φ14	500	95		
	420									380	100		

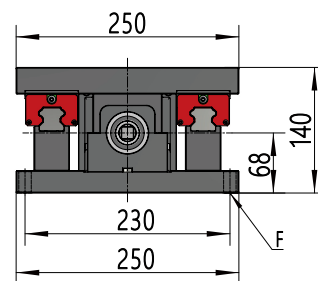
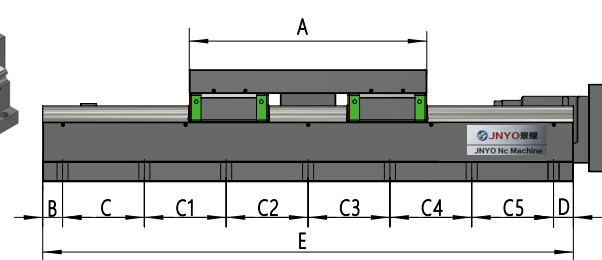
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LRS250

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数控线轨滑台

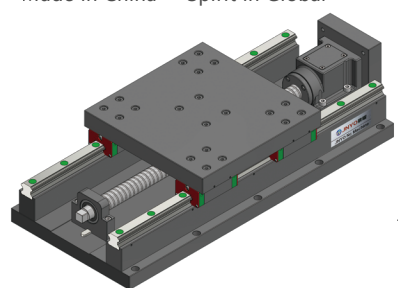


产品参数 PRODUCT PARAMETERS

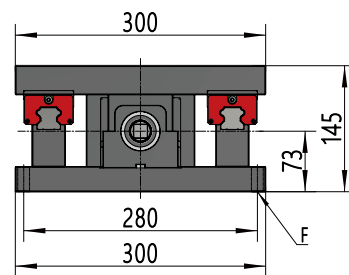
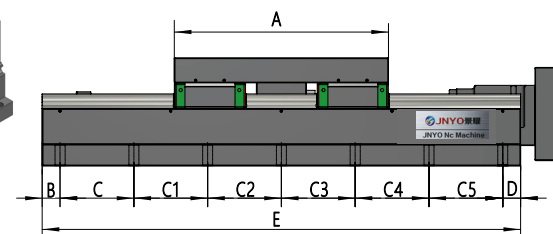
型 号 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
LRS250x420	300	30	120	120	120	--	--	--	30	420	8-Φ14	Φ25x5	Φ17	120	70
LRS250x560	300	25	170	170	170	--	--	--	25	560	8-Φ14	Φ32x6	Φ22	260	80
	420													140	90
	300													370	90
LRS250x670	420	25	155	155	155	155	--	--	25	670	10-Φ14			250	100
	300													500	105
	420													30	185
LRS250x800	300	30	176	176	176	176	176	--	30	940	12-Φ14			640	115
	420													520	125
	300													30	190
420	780	150													
LRS250x1200	300	30	190	190	190	190	190	190	30	1200	14-Φ14				
	420														

LRS300

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- 可接受特殊规格线轨滑台定制。
Customization of slipway of rail with special specification is accepted .
- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.



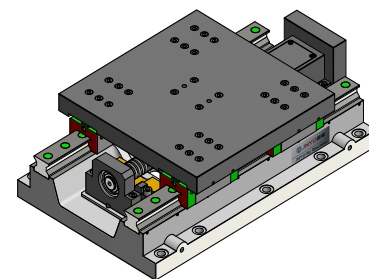
产品参数 PRODUCT PARAMETERS

型 号 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
LRS300x420	300	30	120	120	120	--	--	--	30	420	8-Φ14	Φ32x6	Φ22	120	80
LRS300x560	300	25	170	170	170	--	--	--	25	560	8-Φ14			260	100
	420													140	105
	300													370	110
LRS300x670	420	25	155	155	155	155	--	--	25	670	10-Φ14			250	120
	300													500	125
LRS300x800	420	30	185	185	185	185	--	--	30	800	10-Φ14			380	135
	300													640	140
LRS300x940	420	30	176	176	176	176	176	--	30	940	12-Φ14			520	150
	300													900	170
LRS300x1200	420	30	190	190	190	190	190	190	30	1200	14-Φ14			780	180
	300														

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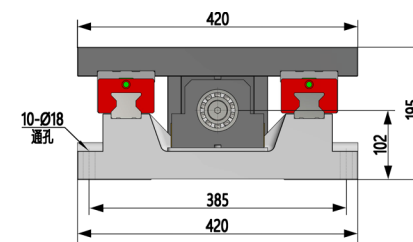
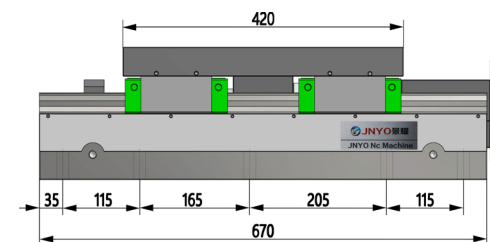
LRS420

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数控线轨滑台

CNC Linear Guideway Sliding Table



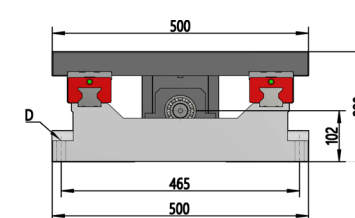
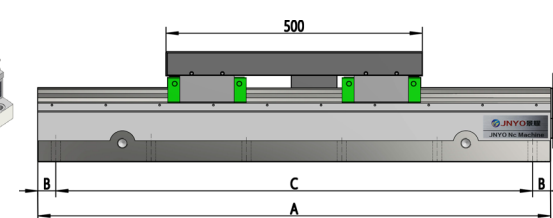
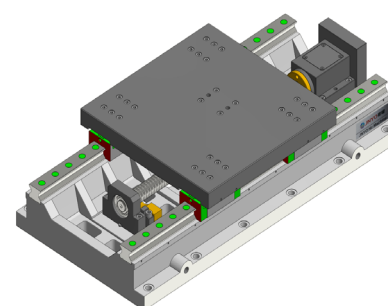
产品参数 PRODUCT PARAMETERS

型 号 Model	导轨型号 Guide rail model	底座面积 Bed area	总 高 High total	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
LRS420×670	RGH45CA	420×670	195	Φ40×10	Φ25	250	215

LRS500

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- 可接受特殊规格线轨滑台定制。
Customization of slipway of rail with special specification is accepted .
- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.



产品参数 PRODUCT PARAMETERS

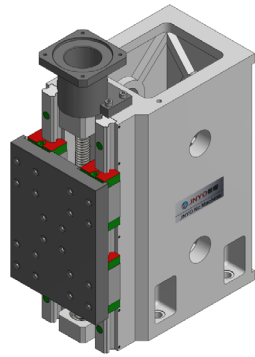
型 号 Model	导轨型号 Guide rail model	总 高 High total	A	B	C	D	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
LRS500x1000	RGH45CA	220	1000	35	5×186	12-Φ18	Φ40x10	Φ25	500	345
LRS500x1100			1100	50	4×250	10-Φ18			600	365

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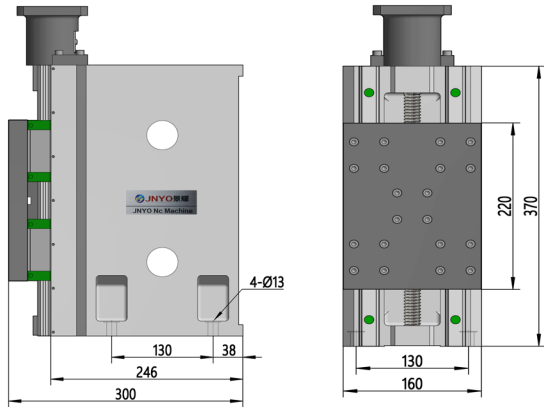
VRS160

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数控立式线轨滑台 NC Vertical Line Rail Slider



- 车铣复合可配置折返式同步带传动（电机内藏）。
Turn-milling compound configurable turn-back synchronous belt drive (built-in motor).
- 可接受特殊规格线轨滑台定制。
Customization of slipway of rail with special specification is accepted.
- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.



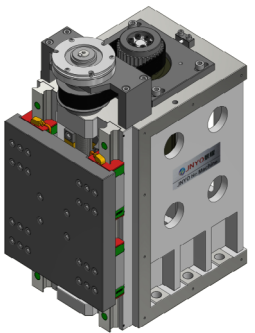
产品参数 PRODUCT PARAMETERS

型 号 Model	导轨型号 Guide rail model	底座面积 Bed area	总 高 High total	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
VRS160x370	HGH25CA	160×246	370	Φ20×4	Φ15	150	50

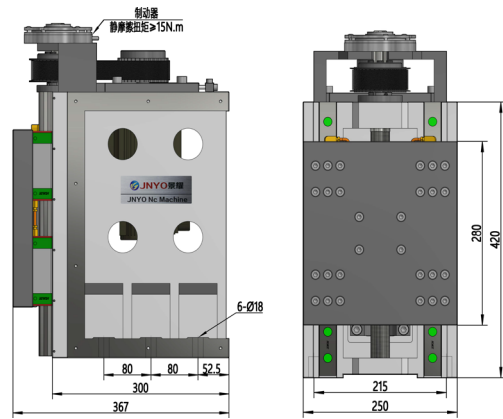
VRS250H

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数控立式线轨滑台 NC Vertical Line Rail Slider



- 丝杠轴端可配置制动器，在车铣复合使用中起到锁紧作用。
The screw shaft end can be equipped with a brake, which plays a locking role in turning and milling combined use.
- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.
- 可接受特殊规格线轨滑台定制。
Customization of slipway of rail with special specification is accepted.
- 传动方式可配置直连式传动。
The transmission mode can be configured with direct transmission.



产品参数 PRODUCT PARAMETERS

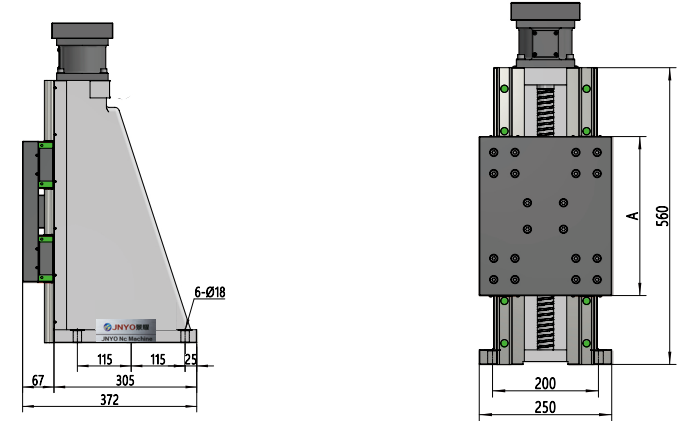
型 号 Model	导轨型号 Guide rail model	底座面积 Bed area	总 高 High total	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
VRS250x420	RGH30CA	250×300	420	Φ32×6	Φ22	140	135

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VRS250

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数控立式线轨滑台 NC Vertical Line Rail Slider



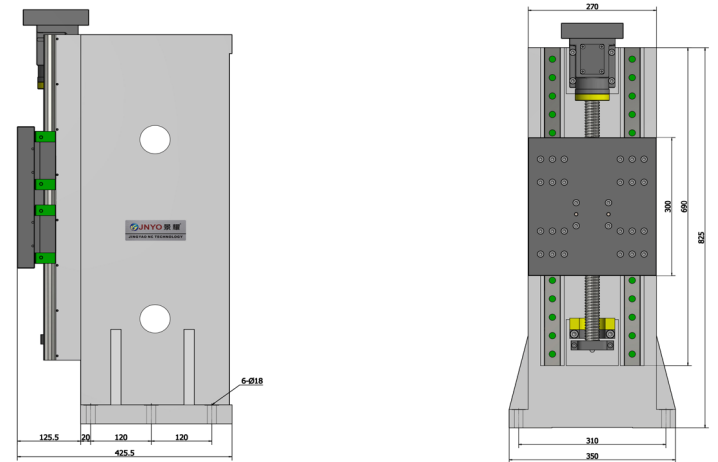
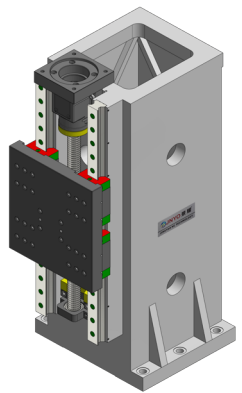
产品参数 PRODUCT PARAMETERS

型 号 Model	工作台长度 A Table length A	底座面积 Bed area	总 高 High total	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
VRS250x560	220	250x305	560	Φ32x6	Φ22	340	105
	300					260	110

VRS270

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- 可接受特殊规格线轨滑台定制。
Customization of slipway of rail with special specification is accepted.
- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.



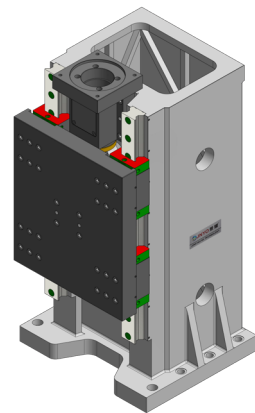
产品参数 PRODUCT PARAMETERS

型 号 Model	导轨型号 Guide rail model	底座面积 Bed area	总 高 High total	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
VRS270x825	RGH35CA	300×350	825	Φ32×6	Φ22	390	210

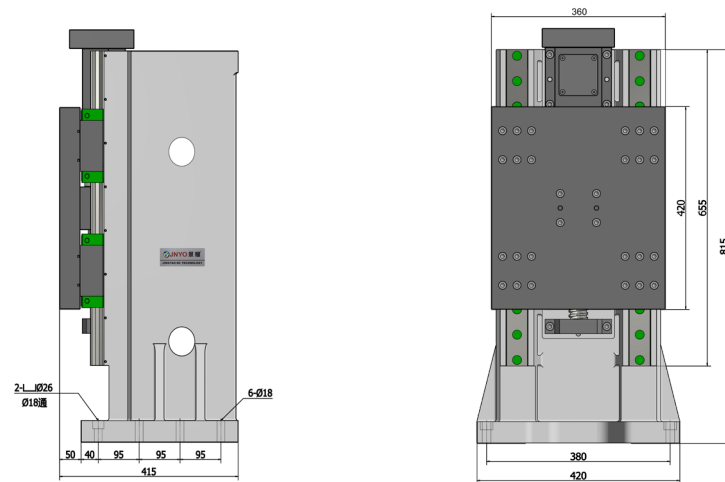
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VRS360

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数控立式线轨滑台 NC Vertical Line Rail Slider

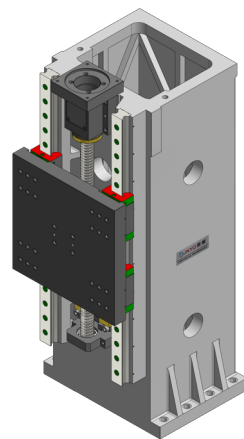


产品参数 PRODUCT PARAMETERS

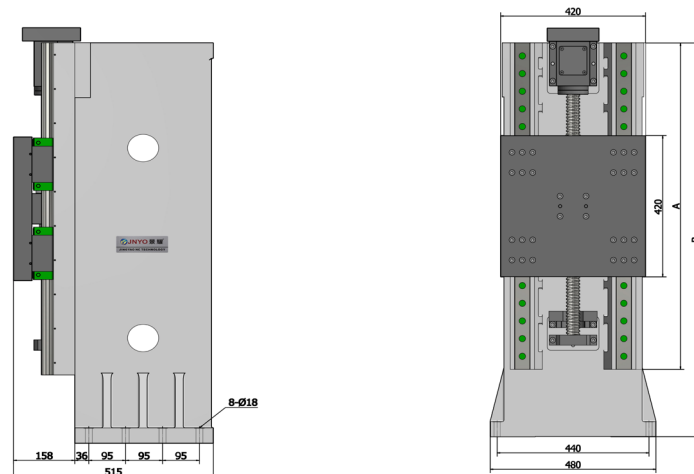
型 号 Model	导轨型号 Guide Rail Model	底座面积 Bed area	总 高 High total	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
VRS360x815	RGH45CA	365×420	815	Φ40×10	Φ25	235	300

VRS420

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- 可接受特殊规格线轨滑台定制。
Customization of slipway of rail with special specification is accepted .
- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.



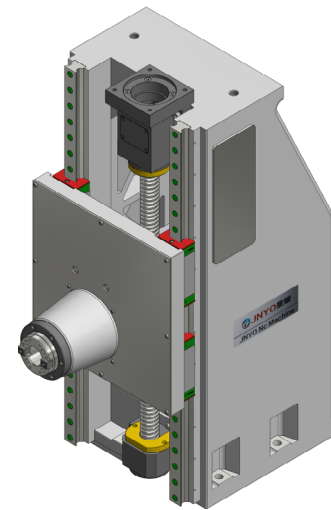
产品参数 PRODUCT PARAMETERS

型 号 Model	工作台长度 A Table length A	导轨型号 Guide Rail Model	底座面积 Bed area	总 高 B High total	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
VRS420x1170	970	RGH45CA	357x480	1170	Φ40x10	Φ25	550	500
VRS420x1420	1220			1420			800	595

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WRS400 WRS500

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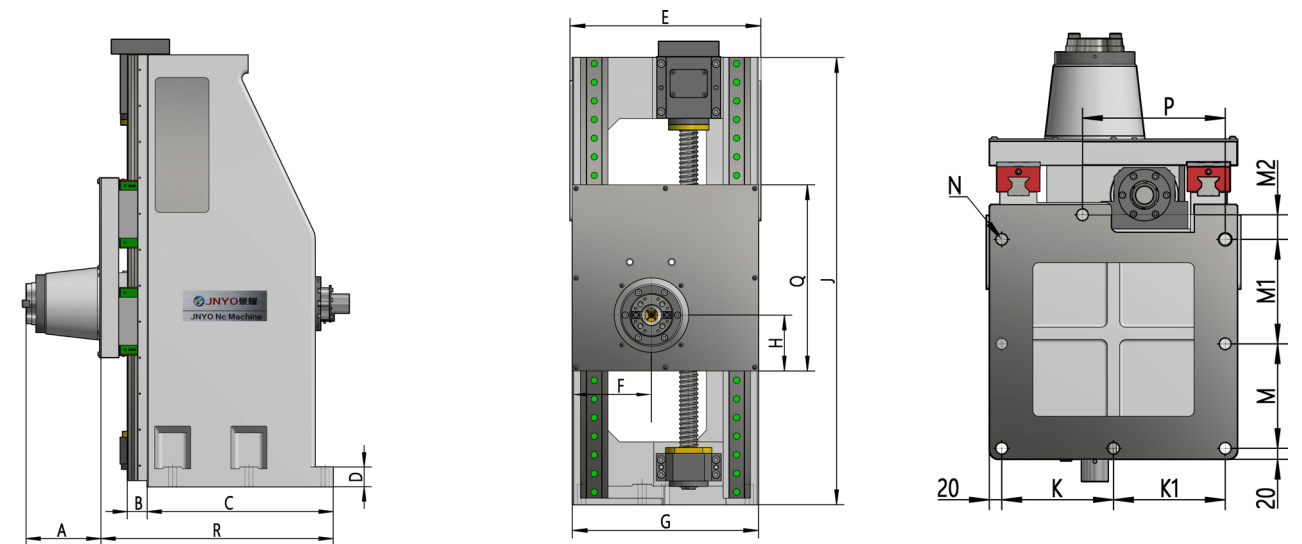
卧加立式滑台 Horizontal And Vertical Slide Table



- 专为卧式加工设计，外形紧凑、结构合理，便于配置刀库。
Specially designed for horizontal processing, compact shape, reasonable structure, easy to configure tool storehouse.
- 门架和拖板一体式整体铸造，刚性好、稳定性好。
The door frame and the drag plate are cast as a whole, with good rigidity and stability.
- 主轴形式可选配皮带式传动，标配为后置式电主轴。
The main shaft can be equipped with belt type drive, standard for the rear motorized spindle.
- 详情电主轴参数请查阅 P20; P26 页产品后置式电主轴。
For details of motorized spindle parameters, please refer to PXX page for rear-mounted motorized spindle.
- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.
- 可接受特殊规格线轨滑台定制。
Customization of slipway of rail with special specification is accepted .
- 可配置氮气自动平衡系统。
Automatic nitrogen balance system can be configured.

产品参数 PRODUCT PARAMETERS

型号 Model	电主轴 Motorized spindle	导轨型号 Guide rail model	滚珠丝杠 Ball screw	底座面积 Bed area	轴 径 Shaft diameter	总 高 High total	行 程 Stroke	重量 (千克) Weight (KG)
WRS400	BT40	HGH35HA	Φ40×10	415×400	Φ25	960	450	530
WRS500	BT50	HGH45HA	Φ40×10	490×500	Φ25	1225	600	945



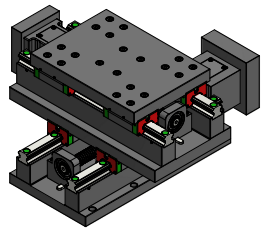
尺寸大小 SIZE

型号 Model	A	B	C	D	E	F	G	H	J	K	K1	M	M1	M2	N	P	Q	R
WRS400	167	44.2	415	44	410	170	400	120	960	180	180	170	170	40	8-Φ18	239	400	521
WRS500	209	51	490	55	510	225	500	160	1225	230	230	200	200	49	8-Φ18	251	500	619

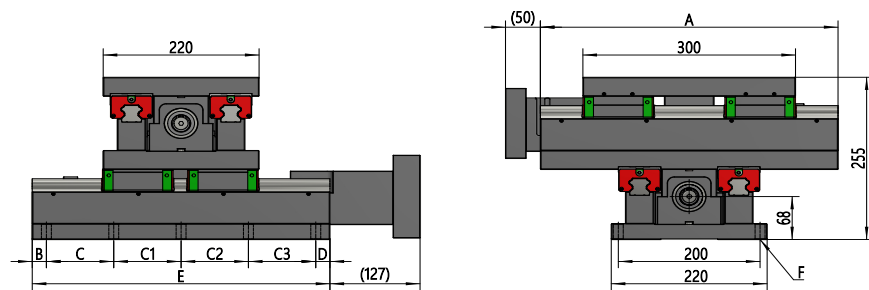
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CRS220

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数控十字线轨滑台 NC Cross Rail Slide

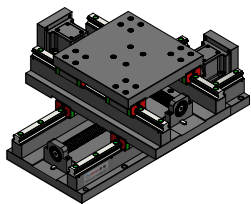


产品参数 PRODUCT PARAMETERS

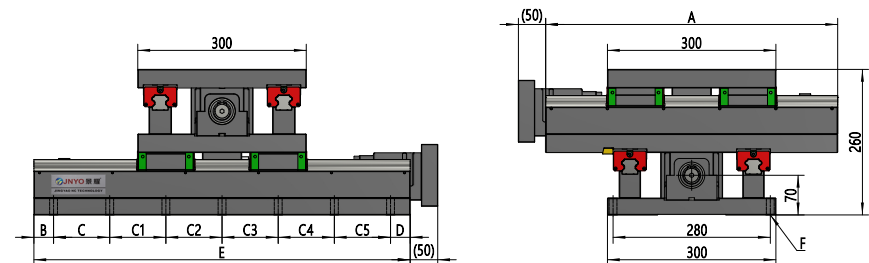
型号 Model	A	B	C	C1	C2	C3	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	下行程 Down Stroke	上行程 Up Stroke	重量 (千克) Weight (KG)
CRS22-2012	420	30	120	120	120	--	30	420	8-Φ14	Φ25x5 上滑台	Φ17	200	120	115
CRS22-3012		20	160	160	160	--	20	520	8-Φ14			300		125
CRS22-4512		25	155	155	155	155	25	670	10-Φ14			450		140
CRS22-5812		30	185	185	185	185	30	800	10-Φ14			580		150
CRS22-2022	520	30	120	120	120	--	30	420	8-Φ14	Φ32x6 下滑台	Φ22	200	220	130
CRS22-3022		20	160	160	160	--	20	520	8-Φ14			300		135
CRS22-4522		25	155	155	155	155	25	670	10-Φ14			450		150
CRS22-5822		30	185	185	185	185	30	800	10-Φ14			580		160

CRS300

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- 正手安装，亦可反手安装。
Forehand installation or backhand installation.
- 可接受特殊规格线轨滑台定制。
Customization of slipway of rail with special specification is accepted.
- 导轨防护罩、伺服电机可根据需求加装配置。
Guide shield and servo motor can be configured according to requirements.



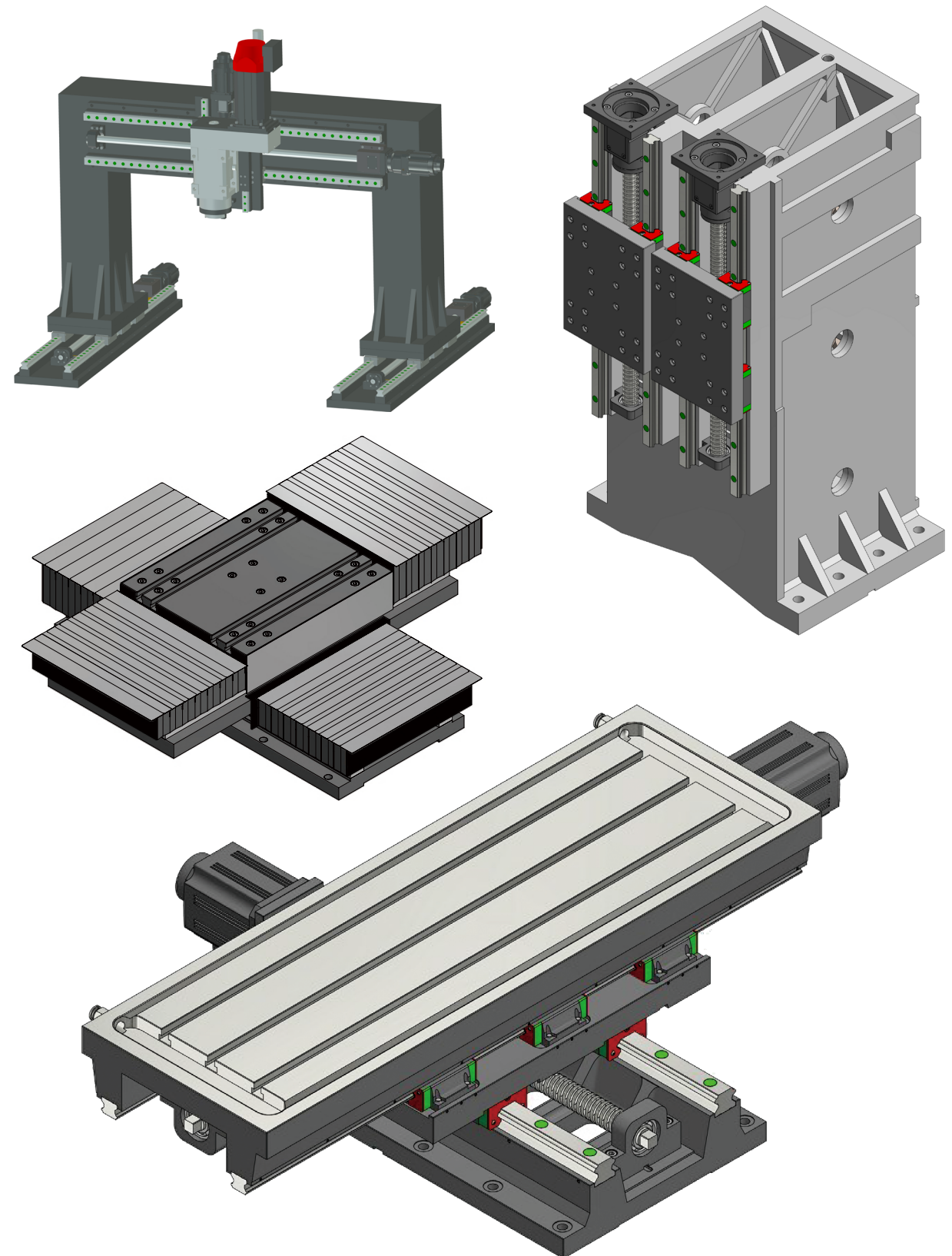
产品参数 PRODUCT PARAMETERS

型号 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	下行程 Down Stroke	上行程 Up Stroke	重量 (千克) Weight (KG)
CRS30-1212	420	30	120	120	120	--	--	--	30	420	8-Φ14	Φ32x6	Φ22	120	120	145
CRS30-2612		25	170	170	170	--	--	--	25	560	8-Φ14			260		160
CRS30-3712		25	155	155	155	155	--	--	25	670	10-Φ14			370		170
CRS30-5012		30	185	185	185	185	--	--	30	800	10-Φ14			500		190
CRS30-6412		30	176	176	176	176	176	-	30	940	12-Φ14			640		200
CRS30-9012		30	190	190	190	190	190	190	30	1200	14-Φ14			900		230
CRS30-1226	560	30	120	120	120	--	--	--	30	420	8-Φ14			120	260	160
CRS30-2626		25	170	170	170	--	--	--	25	560	8-Φ14			260		175
CRS30-3726		25	155	155	155	155	--	--	25	670	10-Φ14			370		190
CRS30-5026		30	185	185	185	185	--	--	30	800	10-Φ14			500		200
CRS30-6426		30	176	176	176	176	176	--	30	940	12-Φ14			640		215
CRS30-9026		30	190	190	190	190	190	190	30	1200	14-Φ14			900		245

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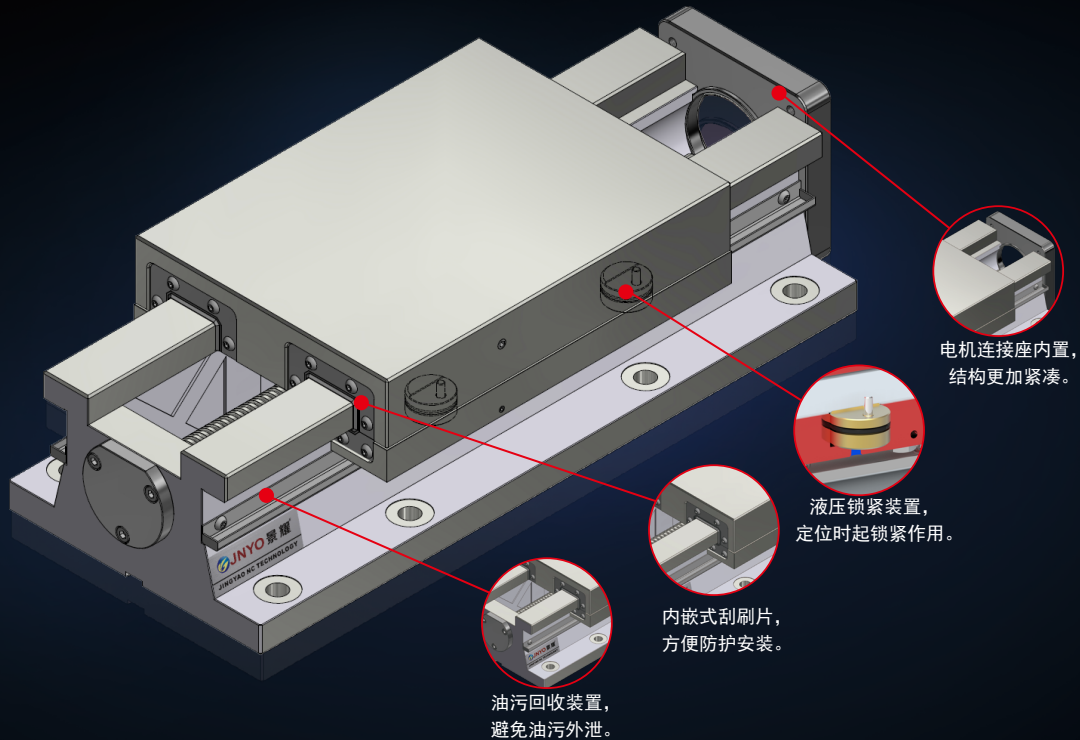
特殊规格定制 Special Specifications For Customized

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数控硬轨滑台
NC hard rail slide



数控硬轨矩形滑台其设计合理、刚性好、性能可靠、承载能力好、外形美观。配置是组合机床、普通机床改造及其自动化生产线不可缺少的基础动力部件。硬轨矩形滑台其高刚性，重载好、进给稳定性高的优势；被广泛应用到粗加工重切削。配上镗铣主轴头或各种切削头，可分别完成镗、铣、钻、攻、铰、车、铈、等工序加工。

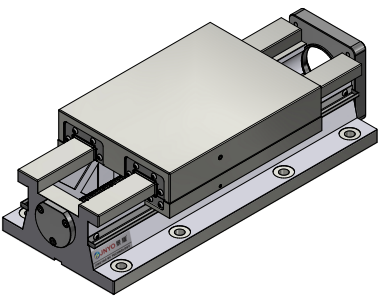
The numerical control hard-rail rectangular slipway has a proper design, good rigidity, reliable performance, good load carrying capacity and beautiful appearance. The configuration is the necessary basic power parts for combination machines, normal machine reformation and automatic production line. The hard-rail rectangular slipway has high rigidity, outstanding load bearing capacity and high stability of feeding; it is widely used in rough processing and heavy cutting. With the boring and milling spindle head or various cutting heads, it can complete the procedure of boring, milling, tapping, drilling, twisting, countersink drilling, etc.

特点 (Characteristics)

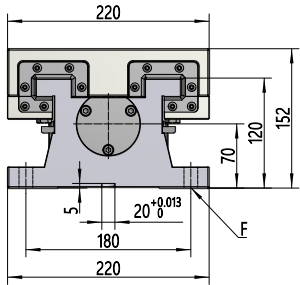
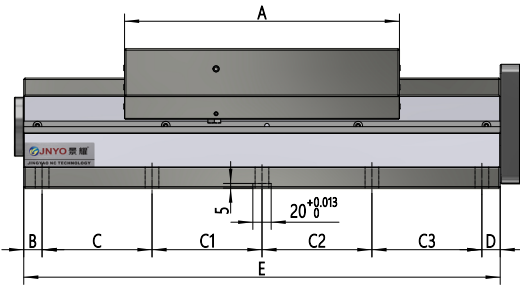
- 自主研发制造，配合精密滚珠丝杆，做伺服传动；导轨表面均经过多次热处理等标准工艺，表面硬度更深，硬度 \geq HRC55。
Independent research and development and servo drive is made with accurate ball screw; the surface of guide rail is processed with standard technology, such as several rounds of thermal process, etc. The surface hardness is higher, hardness \geq HRC55.
- 主体精模高韧铸铁铸造，经人工震动时效及自然双重时效处理；降低应力增加抗变形能力和稳定性。
The housing is cast with accurate die and the cast iron of high toughness and processed by means of manual vibration aging and natural aging effect to reduce the stress and increase the deformation resistance performance and stability.
- 滑台为工字型矩形导轨，其结构具有承载能力大、刚度大、热变形小、进给稳定性高的特性，从而保证了加工状态下（负荷下）的实际精度。
The slipway is the I-shaped rectangular slipway with high bearing capacity and rigidity and low thermal deformation and high feeding stability so that the practical accuracy under processing condition (load) can be assured.
- 导轨面配合工作台精密磨削加工并采用人工铲刮、刮花、配研技术调整镶条和接触面，最终精密装配完成。
The slipway surface will operate with the work table to perform accurate grinding and cutting, and manual scraping, shoveling, running-in technology which is adjusted to gibs and contact surface are adopted to complete the final accurate assembly.
- 润滑系统采用内置控油器，保证每个接触面均匀润滑，有效提高滑台使用寿命。
The lubricating system adopts a built-in oil control device to ensure uniform lubrication of each contact surface and effectively improve the service life of the sliding table.

URS220

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数控硬轨滑台
NC hard rail slide

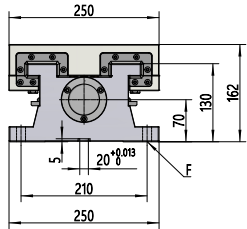
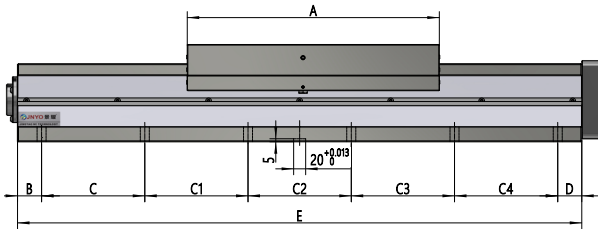
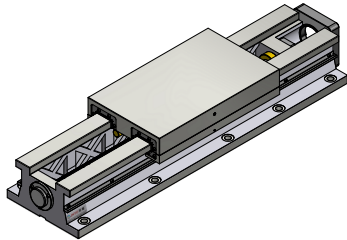


产品参数 PRODUCT PARAMETERS

型 号 Model	A	B	C	C1	C2	C3	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
URS220x420	300	25	115	115	130	--	35	420	8-Φ15	Φ25x6	Φ17	120	65
URS220x520	300	35	130	205	115	--	35	520	8-Φ15			220	75
	420											100	85
URS220x670	300	35	115	205	165	115	35	670	10-Φ15			370	85
	420											250	100
URS220x800	300	35	245	205	165	115	35	800	10-Φ15			500	100
	420											380	110

URS250

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- 导轨防护罩、伺服电机可根据需求加装配置。
Guide shield and servo motor can be configured according to requirements.

产品参数 PRODUCT PARAMETERS

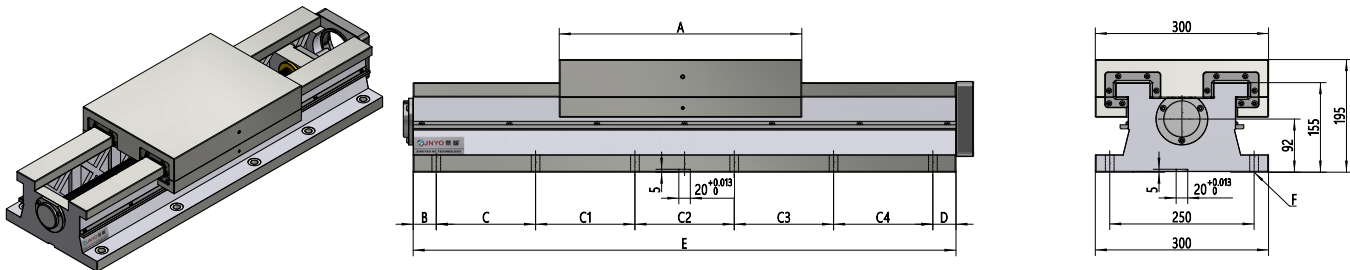
型 号 Model	A	B	C	C1	C2	C3	C4	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)									
URS250x420	300	25	115	115	130	--	--	35	420	8-Φ17	Φ32x6	Φ22	120	80									
URS250x560	300	35	135	220	135	--	--	35	560	8-Φ17			260	90									
	420												140	100									
	300												370	105									
URS250x670	420	35	115	205	165	115	--	35	670	10-Φ17					250	115							
URS250x800	300														35	245	205	165	115	--	35	800	10Φ17
	420												380	130									
URS250x940	300	40	247	255	178	180	--	40	940	10-Φ17			640	130									
	420												520	140									
	300														900	155							
URS250x1200	420	40	240	200	280	200	200	40	1200	12-Φ17							780	165					

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URS300

数控硬轨滑台
NC hard rail slide

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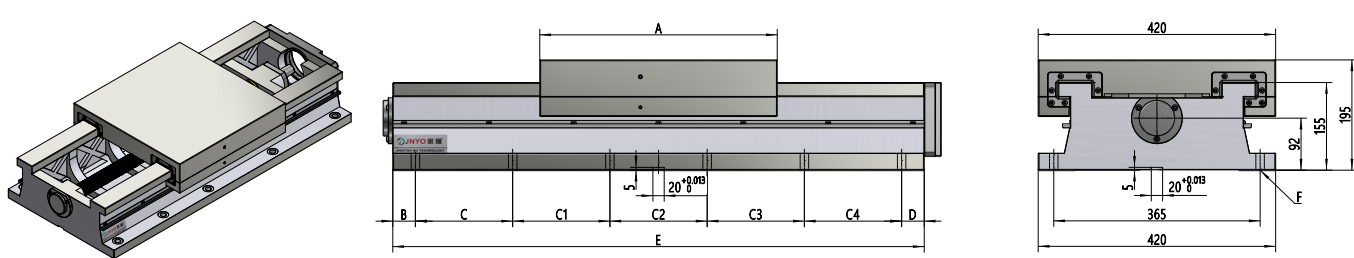
产品参数 PRODUCT PARAMETERS

型 号 Model	A	B	C	C1	C2	C3	C4	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
URS300x420	300	25	115	115	130	--	--	35	420	8-Φ17	Φ40x10	Φ28	120	115
URS300x560	300	35	135	220	135	--	--	35	560	8-Φ17			260	130
	420												140	145
URS300x670	300	35	115	205	165	115	--	35	670	10-Φ17			370	145
	420												250	160
URS300x800	300	35	285	280	165	--	--	35	800	8-Φ17			500	160
	420												380	175
URS300x940	420	40	247	255	178	180	--	40	940	10-Φ17			520	190
URS300x1200	420	40	240	200	280	200	200	40	1200	12-Φ17	780	225		

URS420

数控硬轨滑台
NC hard rail slide

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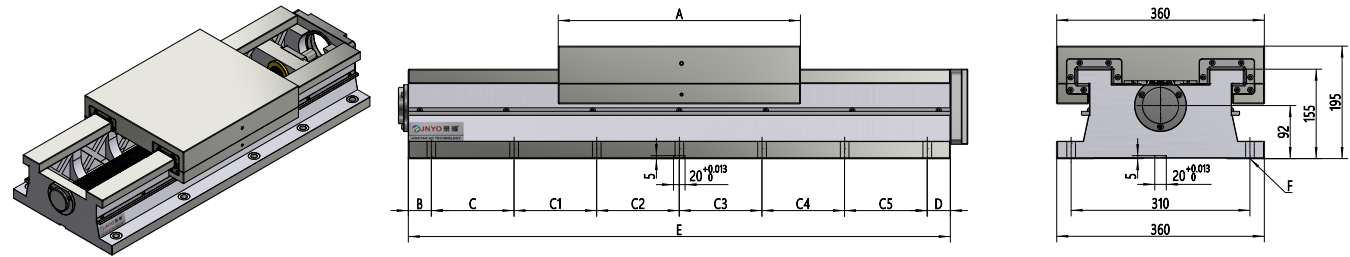
产品参数 PRODUCT PARAMETERS

型 号 Model	A	B	C	C1	C2	C3	C4	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
URS420x670	420	35	115	205	165	115	--	35	670	10-Φ17	Φ40x10	Φ28	250	205
	520												150	225
URS420x940	420	40	247	255	178	180	--	40	940	10-Φ17			520	250
	520												420	270
URS420x1200	420	40	240	200	280	200	200	40	1200	12-Φ17			780	295
	520												680	310

URS360

- 导轨防护罩、伺服电机可根据需求加装配置。
Guide shield and servo motor can be configured according to requirements.

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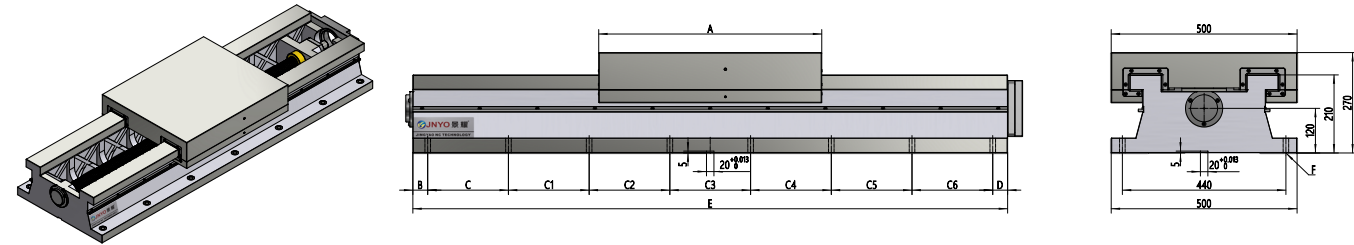
产品参数 PRODUCT PARAMETERS

型 号 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
URS360x560	420	35	135	220	135	--	--	--	35	560	8-Φ17	Φ40x10	Φ28	140	175
URS360x670	420	35	115	205	165	115	--	--	35	670	10-Φ17			250	190
URS360x800	420	35	285	280	165	--	--	--	35	800	8-Φ17			380	210
URS360x940	420	40	247	255	178	180	--	--	40	940	10-Φ17			520	235
URS360x1200	600	40	240	200	280	200	200	--	40	1200	12-Φ17			600	300
URS360x1600	600	40	260	260	260	260	260	220	40	1600	14-Φ17			1000	360
URS360x1800	600	40	344	344	344	344	344	--	40	1800	12-Φ17			1200	390

URS500

- 导轨防护罩、伺服电机可根据需求加装配置。
Guide shield and servo motor can be configured according to requirements.

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产品参数 PRODUCT PARAMETERS

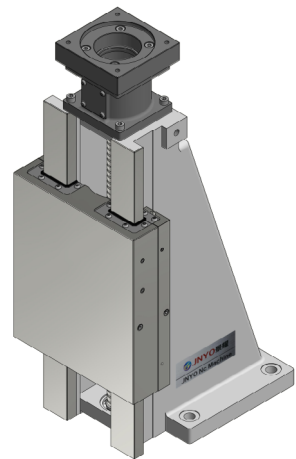
型 号 Model	A	B	C	C1	C2	C3	C4	C5	C6	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	行 程 Stroke	重量 (千克) Weight (KG)
URS500x885	600	40	225	240	170	170	--	--	--	40	885	10-Φ17	Φ50x10	Φ30	285	470
URS500x1000	600	50	225	225	225	225	--	--	--	50	1000	10-Φ17			400	505
URS500x1600	600	40	260	260	260	260	260	220	--	40	1600	14-Φ17			1000	670
	950														650	785
URS500x2000	600	70	180	300	300	300	300	300	180	70	2000	16-Φ17			1400	780
	950														1050	895

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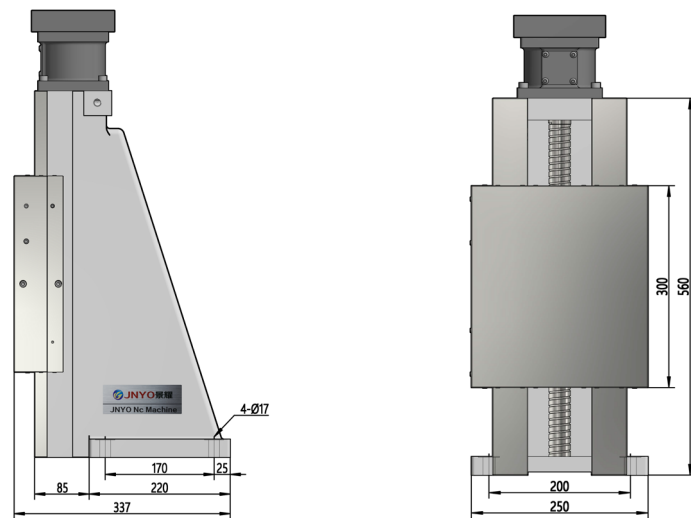
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HRS250

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数控立式硬轨滑台 NC vertical hard rail slider

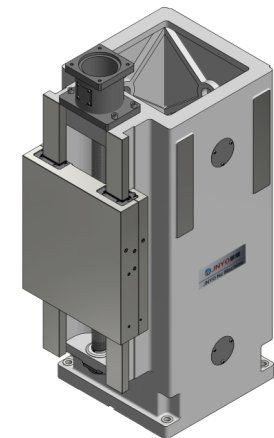


产品参数 PRODUCT PARAMETERS

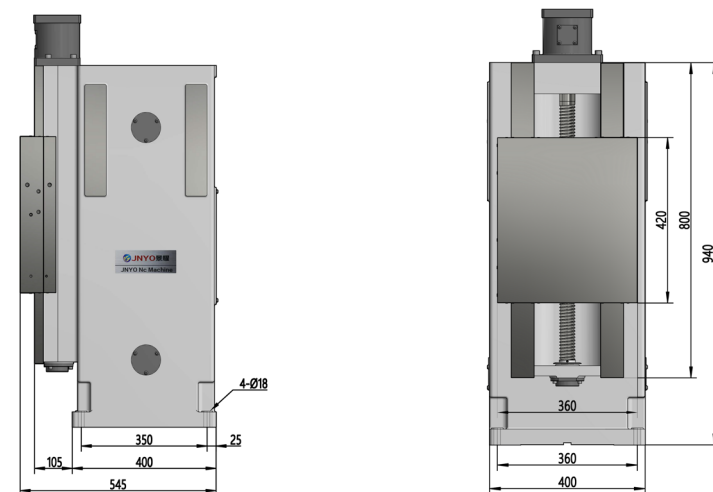
型号 Model	底座面积 Bed area	总高 High total	滚珠丝杠 Ball screw	轴径 Shaft diameter	行程 Stroke	重量 (千克) Weight (KG)
HRS250×560	250×305	560	Φ32×6	Φ22	260	105

HRS360

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- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.



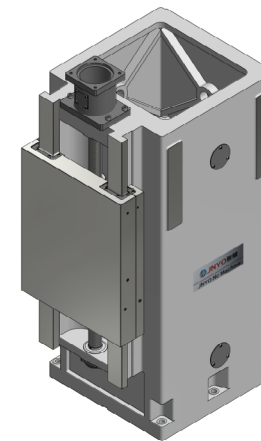
产品参数 PRODUCT PARAMETERS

型号 Model	底座面积 Bed area	总高 High total	滚珠丝杠 Ball screw	轴径 Shaft diameter	行程 Stroke	重量 (千克) Weight (KG)
HRS360×940	400×400	940	Φ40×10	Φ28	380	460

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HRS500

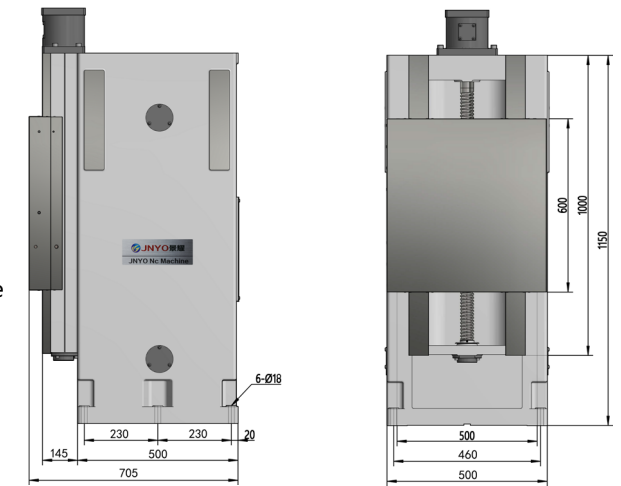
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数控立式硬轨滑台 NC vertical hard rail slider



- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.

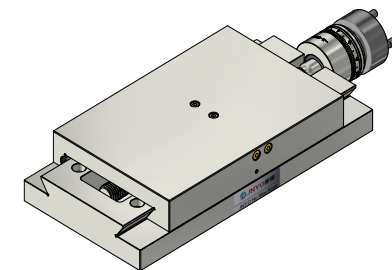


产品参数 PRODUCT PARAMETERS

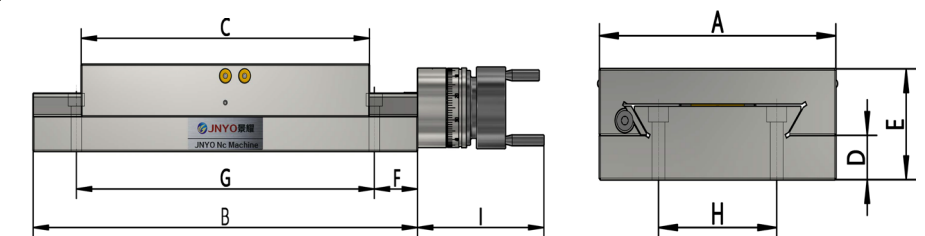
型号 Model	底座面积 Bed area	总高 High total	滚珠丝杠 Ball screw	轴径 Shaft diameter	行程 Stroke	重量 (千克) Weight (KG)
HRS500×1150	500×500	1150	Φ50×10	Φ30	400	900

DS200 DS250

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- 调整方便，适用于小空间、轻、中载荷切削加工。
Easy adjustment, suitable for small space, light and medium load cutting.
- 重量轻、体积小、结构紧凑；产品可配置液压方式。
Light weight, small size and compact structure; Products can be configured with hydraulic mode.



产品参数 PRODUCT PARAMETERS

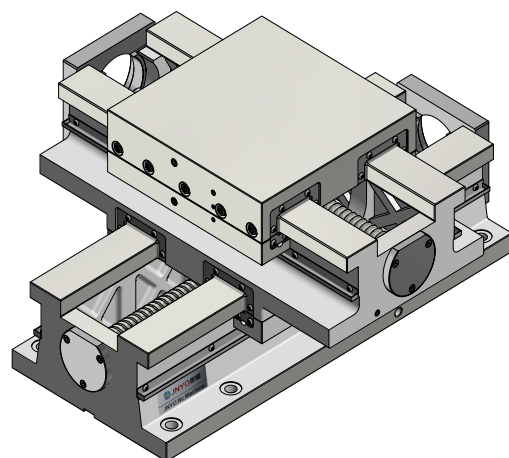
型号 Model	工作台 Stage	行程 Stroke	高度 Height	安装孔 Open holes	A	B	C	D	E	F	G	H	I	丝杠×刻度环 Screw×Scale ring	重量 (千克) Weight (KG)
DS200	200×300	100	75	4-M10	200	400	300	30	75	45	310	100	183	Φ24×2mm/0.02	40
DS250	250×350	150	95	4-M10	250	500	350	40	95	45	410	100	183	Φ24×2mm/0.02	75

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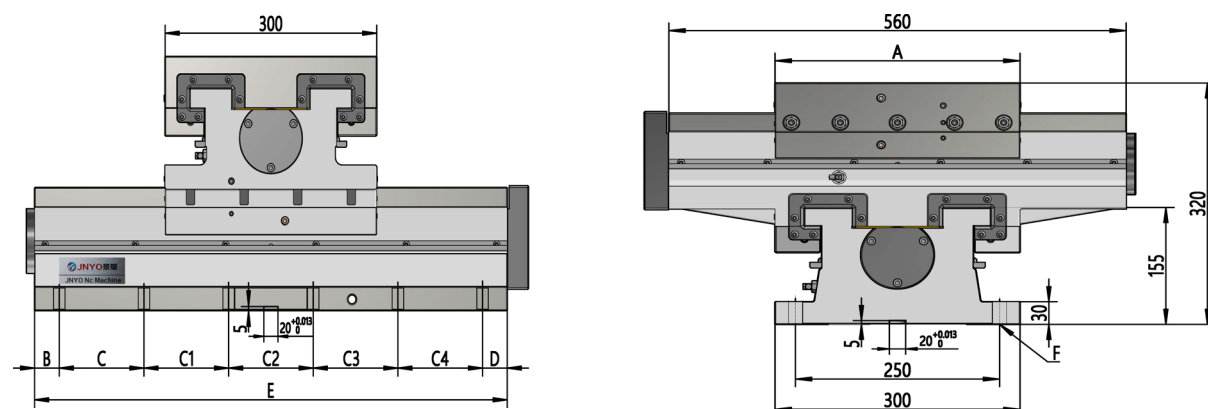
BRS300

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数控十字硬轨滑台 NC Cross Hard Rail Sliding Table



- 十字硬轨滑台外形紧凑、刚性好、稳定性好。
Cross hard rail sliding table has compact shape, good rigidity and good stability.
- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.



产品参数 PRODUCT PARAMETERS

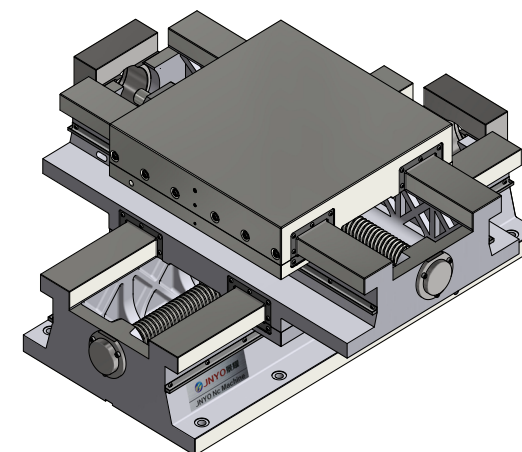
型号 Model	A	B	C	C1	C2	C3	C4	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	下行程 Down stroke	上行程 Up stroke	重量 (千克) Weight (KG)
BRS30-1226	300	25	115	115	130	--	--	35	420	8-Φ17	Φ40×10	Φ28	120	260	210
BRS30-2626		35	135	220	135	--	--	35	560	8-Φ17			260		230
BRS30-3726		35	115	205	165	115	--	35	670	10-Φ17			370		245
BRS30-5026		35	285	280	165	--	--	35	800	8-Φ17			500		260
BRS30-6426		40	247	255	178	180	--	40	940	10-Φ17			640		280
BRS30-9026		40	240	200	280	200	200	40	1200	12-Φ17			900		315
BRS30-2614	420	35	135	220	135	--	--	35	560	8-Φ17	Φ40×10	Φ28	260	140	245
BRS30-3714		35	115	205	165	115	--	35	670	10-Φ17			370		260
BRS30-5014		35	285	280	165	--	--	35	800	8-Φ17			500		280
BRS30-6414		40	247	255	178	180	--	40	940	10-Φ17			640		300
BRS30-9014		40	240	200	280	200	200	40	1200	12-Φ17			900		335

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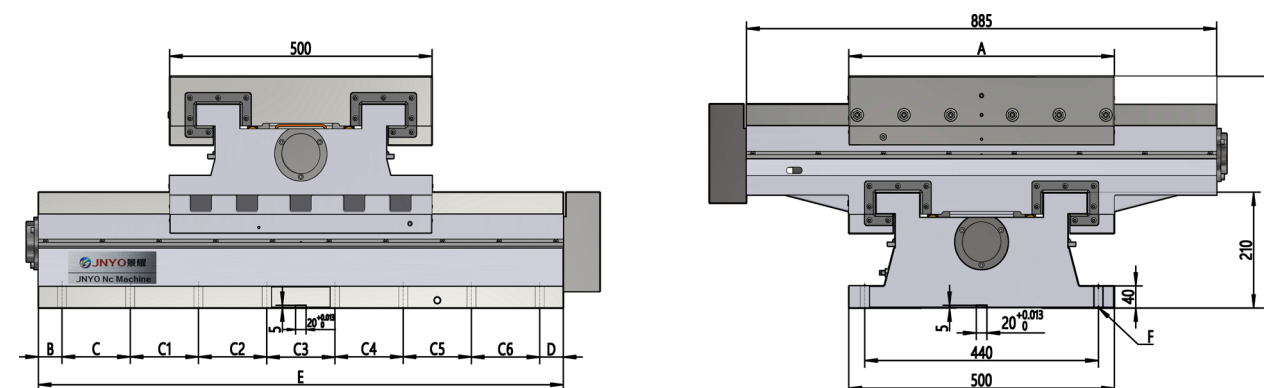
BRS500

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数控十字硬轨滑台 NC Cross Hard Rail Sliding Table



- 十字硬轨滑台外形紧凑、刚性好、稳定性好。
Cross hard rail sliding table has compact shape, good rigidity and good stability.
- 导轨防护罩、伺服电机功率及转矩可根据需求配置。
Guide rail shield, power and torque of servo motor can be provided as required.



产品参数 PRODUCT PARAMETERS

型号 Model	A	B	C	C1	C2	C3	C4	C5	C6	D	E	F	滚珠丝杠 Ball screw	轴 径 Shaft diameter	下行程 Down stroke	上行程 Up stroke	重量 (千克) Weight (KG)
BRS50-3838	500	40	225	240	170	170	--	--	--	40	885	10-Φ17	Φ50×10	Φ30	385	385	715
BRS50-5038		50	225	225	225	225	--	--	--	50	1000	10-Φ17			500		755
BRS50-11038		40	260	260	260	260	260	220	--	40	1600	14-Φ17			1100		920
BRS50-15038		70	180	300	300	300	300	300	180	70	2000	16-Φ17			1500		1030
BRS50-3828		40	225	240	170	170	--	--	--	40	885	10-Φ17			385		755
BRS50-5028	600	50	225	225	225	225	--	--	--	50	1000	10-Φ17	Φ50×10	Φ30	500	285	800
BRS50-11028		40	260	260	260	260	260	220	--	40	1600	14-Φ17			1100		960
BRS50-15028		70	180	300	300	300	300	300	180	70	2000	16-Φ17			1500		1070

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一站式代理采购，您信赖的合作

One stop acting as agent for the purchase, you trust the partner



主轴
Principal axis



罗拓福斯旋转接头
Rotoflux rotary unions



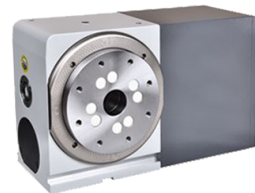
同步带轮
Synchronous pulley



多轴器
Multi axis device



行星减速机
Planetary reducer



数控分度头
CNC dividing head



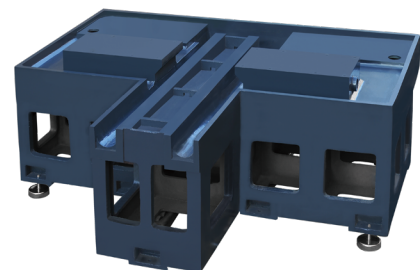
同步夹具
Synchronous fixture



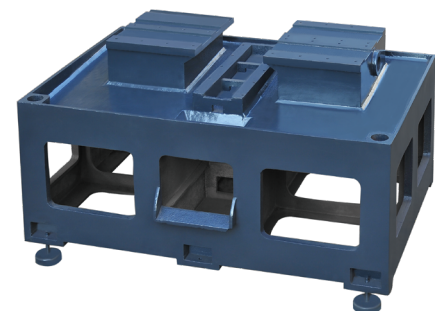
精密虎钳
Precision vice

可定制各种机床铸造床身

Can customize a variety of machine tool bed casting



双面铣床床身
Double sided milling machine bed



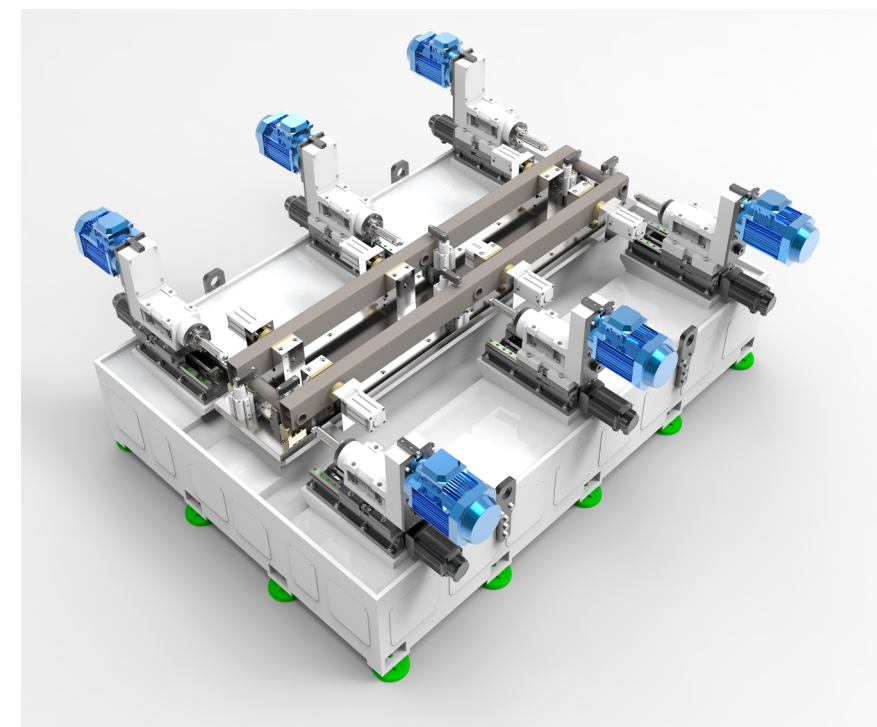
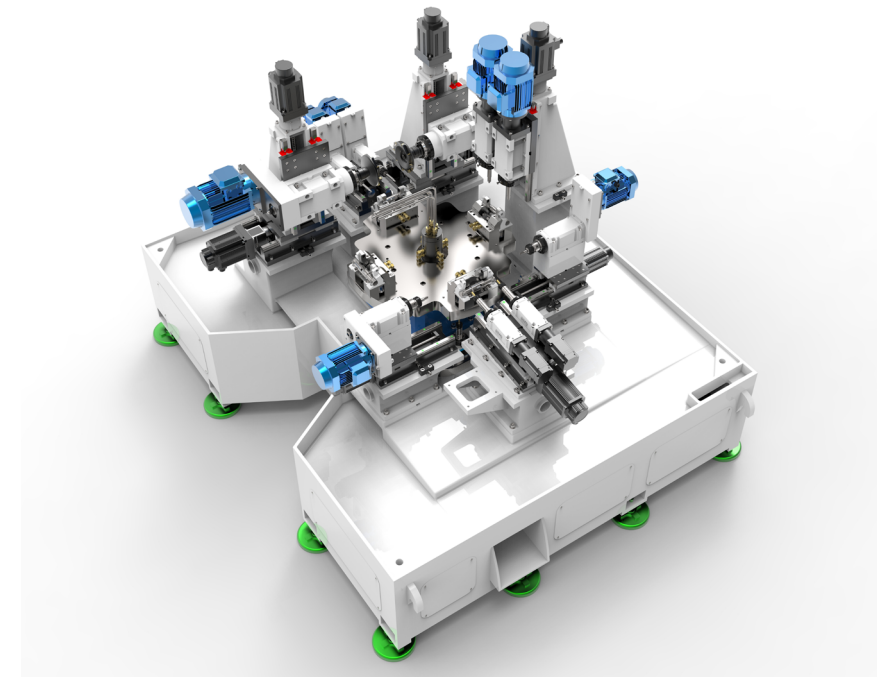
四轴双面加工机
Four axis double side machine



双主轴立式加工机
Double spindle vertical machine

Modular modular machine tool

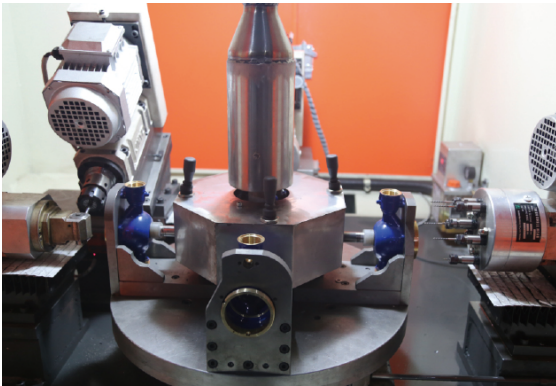
模块化组合专用机床



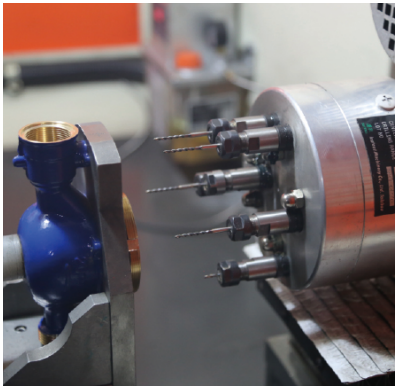
组合机床
Combination lathe

Modular modular
machine tool

模块化组合专用机床



水表壳转盘式专机
Water watch case turntable special machine



数控旋压机
CNC spinning machine



多轴中心钻攻专机
Multi axis center drilling special machine



专用机床
Special machine tool



高精度闸阀硬密封数控加工专机
Special CNC Machining Machine for Hard Seal of High Precision Gate Valve



高精度闸板硬密封数控加工专机
Special CNC Machining Machine for Hard Seal of High Precision Ram



活塞销孔钻 / 镗专机
Special drilling/boring machine for piston pin hole



双主轴双刀库立式加工中心
Double spindle double knife vertical machining center