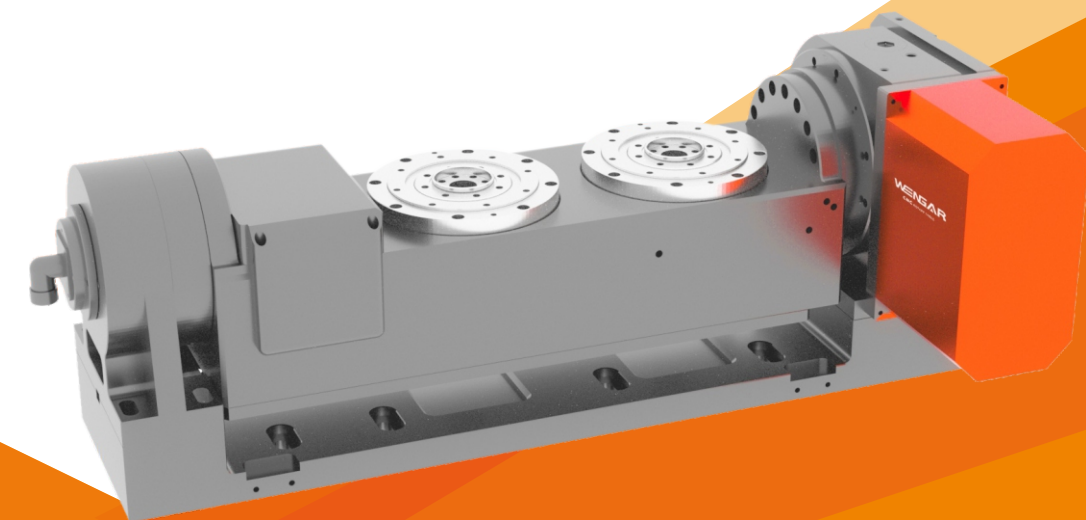




为公精机
WEIGONG PRECISION MACHINERY

电脑数控分度盘

CNC DIVIDING PLATE



杭州为公精密机械有限公司
Hangzhou Weigong Precision Machinery Co., Ltd

地址：浙江杭州市萧山区临浦镇苎东工业园区匠心二路
电话：0571-82786655 / 82685298
传真：0571-83780993
E-mail: hzxq7133912@163.com
Http://www.hzwgcnc.com



企业简介 COMPANY PROFILE

杭州为公精密机械有限公司坐落于美丽的西子湖畔杭州。公司引进日本技术创始于2006年8月，是一家专注研发设计、生产、销售、安装调试、售后服务于一体的智能制造国家高新技术企业及国家专精特新企业。公司为您量身定制应用解决方案，针对一些特别复杂的零部件予以定制化工装与公司的产品相结合做到交钥匙工程，及时的贴心服务将致力于您的需求提供优质高效的产品。

专注、专业、保障、质量是我们唯一的承诺，用质量去占领市场、用服务去巩固市场，是我们永远的经营宗旨。

Hangzhou Weigong Precision Machinery Co., Ltd. is located by the beautiful West Lake in Hangzhou. The company was founded in August 2006 with the introduction of Japanese technology. It is a national high-tech enterprise and specialized new enterprise in intelligent manufacturing that focuses on research and development, design, production, sales, installation and commissioning, and after-sales service. The company customizes application solutions for you, combining customized chemical equipment with the company's products for some particularly complex components to achieve a turnkey project. Timely and thoughtful service will be committed to providing high-quality and efficient products for your needs. Focus, professionalism, guarantee, and quality are our only commitments. Our eternal business purpose is to occupy the market with quality and consolidate the market with service.

自足加工设备

Self sufficient processing equipment

公司引进日本技术创始于2006年8月
日本马扎克双工位卧式加工中心、台湾油机数控立车等、
检测设备有英国雷尼绍激光检测仪、日本三丰高度仪、
海克斯康三坐标测量仪等

- The company was founded in August 2006 with the introduction of Japanese technology
- Japanese Mazak dual station horizontal machining center, Taiwanese oil machine CNC vertical lathe, etc, The testing equipment includes the Renishaw laser detector from the UK and the Sanfeng altimeter from JapanHexagon coordinate measuring instrument, etc

人才优势

Talent advantage

公司拥有各类高、中、初级技术职称（工程师）
的专业技术人员10余人。
拥有各项国家专利19余项，发明专利1项

- The company has more than 10 professional and technical personnel with various high, medium, and junior technical titles (engineers).
- Having over 19 national patents and 1 invention patent

核心部件

Core components

采用台湾原装进口
蜗轮蜗杆
三片式齿盘
滚子凸轮轴承

Imported from Taiwan with original packaging
Worm gear and worm gear
Three piece toothed disc
Roller cam bearing

产品应用

Product Application

汽车零部件行业、航空航天、缝纫机行业、
船舶、工程机械、军工、阀门及国家实验室及
其他制造业等等

Automotive parts industry, aerospace, sewing machine industry, shipbuilding, engineering machinery, military industry, valves and national laboratories, and other manufacturing industries, etc

企业荣誉

Enterprise Honor



- 浙江省专精特新中小企业 •高新技术企业
- 实用新型专利15项 •发明专利证书1项 •软件著作7项

Zhejiang Province Specialized, Refined, Unique and
New Small and Medium sized Enterprises
High tech enterprises
15 utility model patents, 1 invention patent certificates, 7 software works

核心部件

Core components

采用台湾原装进口滚子凸轮轴承、三片式齿盘、复节距蜗杆蜗轮组

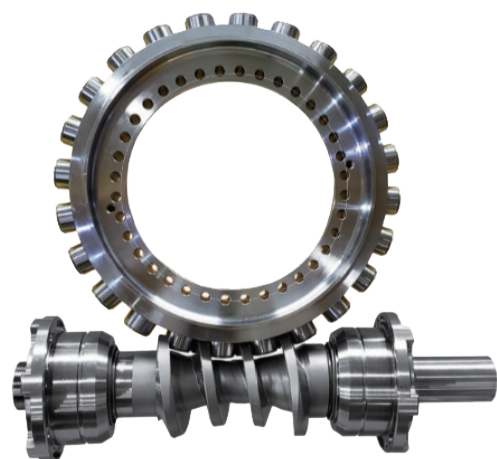
Adopting Taiwan's original imported roller cam bearings, three piece toothed discs, and complex pitch worm gear sets



滚子凸轮轴承



三片式齿盘



滚子凸轮传动

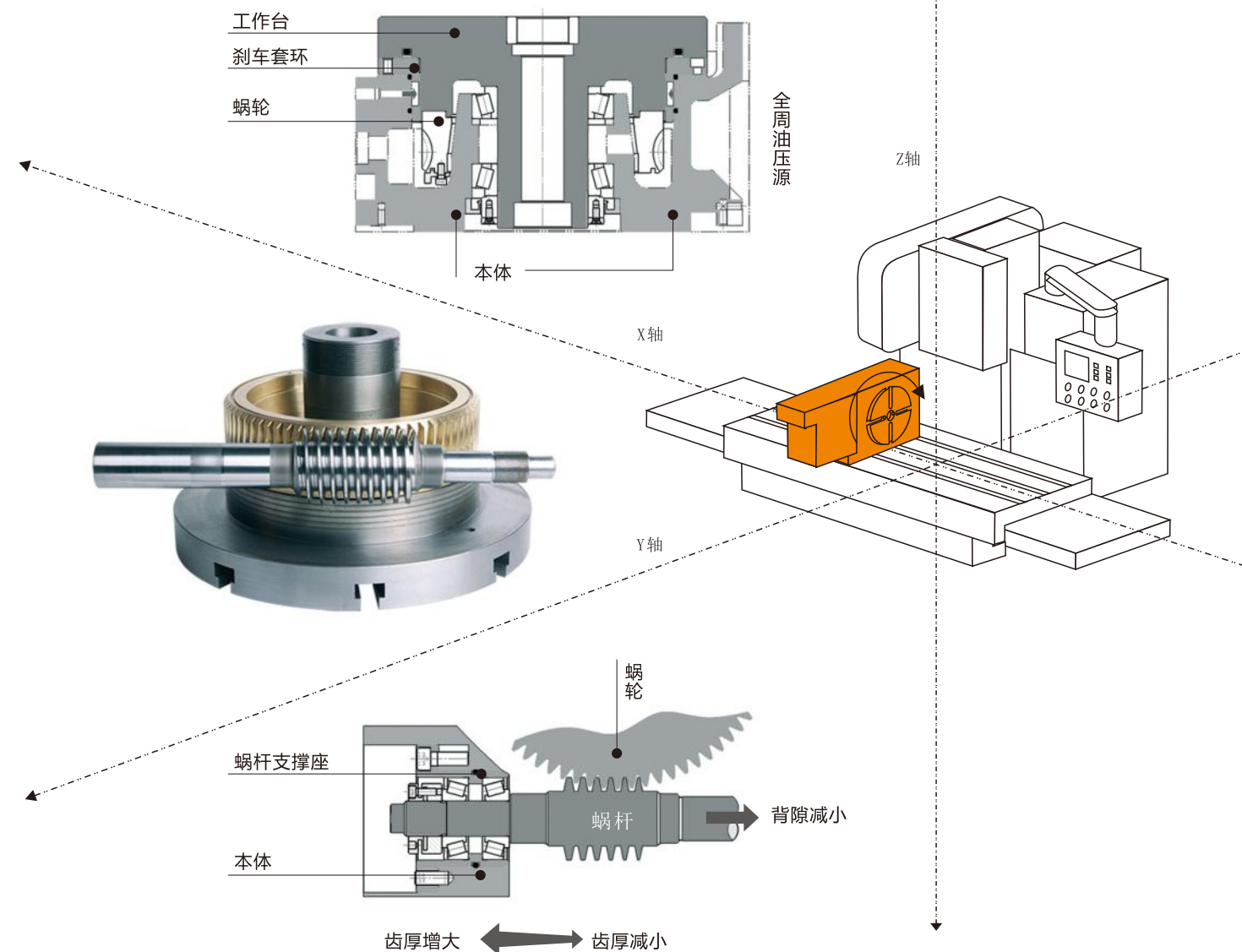


高精度复节距蜗杆蜗轮组

High precision complex pitch worm gear set

采用“复节距蜗杆蜗轮组”，传动精确，背隙调整容易，经长时间的使用仍能维持高精密度。主轴回转部分仍采用高级滚锥轴承，确保回转中心之稳定。最小分割角度 0.001° ，常用于螺旋切削、刀具制造、凸轮及航天工业。

Adopting the "complex pitch worm gear set", the transmission is precise, the backlash adjustment is easy, and high precision can still be maintained after long-term use. The main shaft rotation part still uses advanced tapered roller bearings to ensure the stability of the rotation center. The minimum segmentation angle is 0.001° , commonly used in spiral cutting, tool manufacturing, cam and aerospace industries.



耐重切削环抱式油压锁紧装置

Heavy cutting embracing hydraulic locking device

使用环抱式锁紧装置，作用点接近盘面，刹车套环能大面积锁紧分度盘主轴的颈部位置，锁紧时圆周表面同时密合，减少盘面的压力与不稳定性之起伏，所以具有高刚性且耐重切削之特性。再加上扎实的密封结构，在大量的切削液的使用场所，也不会让粉屑和切削液渗入本体内，防水等级可达到IP65。

Using a wrap around locking device, the action point is close to the disc surface, and the brake collar can lock the neck position of the indexing disc spindle over a large area. During locking, the circumferential surface is simultaneously tightly sealed, reducing the pressure and unstable fluctuations of the disc surface. Therefore, it has the characteristics of high rigidity and heavy cutting resistance. In addition, with a solid sealing structure, in places where a large amount of cutting fluid is used, it will not allow powder and cutting fluid to penetrate into the body, and the waterproof level can reach IP65.



为您量身定制应用解决方案 Tailored application solutions for you

针对一些特别复杂的零部件予以定制化工装与公司的产品相结合做到交钥匙工程，及时的贴心服务将致力于您的需求提供优质高效的产品。

Customize chemical equipment for some particularly complex components and combine it with the company's products to achieve turnkey engineering and provide timely and thoughtful services. We will be committed to providing high-quality and efficient products to meet your needs.

“工心” + “利器” 是为公卓越品质之源

Craftsmanship and sharp tools are the source of excellent quality for the public

专注、专业、保障、质量是我们唯一的承诺，用质量去占领市场、用服务去巩固市场，是我们永远的经营宗旨。
Focus, professionalism, guarantee, and quality are our only commitments. Our eternal business purpose is to occupy the market with quality and consolidate the market with service.



转台选型前必须先了解的事项

Things that must be understood before selecting a turntable

1 工件的材质

A: 铝、铜等小件材质，可选气刹QD系列。

B: 铸铁、钢等材质，请选WGNC油刹系列、GSC油刹系列或HHF齿盘式油刹系列。

Material of the workpiece

A: Aluminum, copper and other small component materials, optional QD series air brake.

B: For materials such as cast iron and steel, please choose WGNC oil brake series, GSC oil brake series, or HHF gear disc oil brake series.

2 工件的精度要求

A: 15秒以内可选WGNC系列或GSC系列0.001°

B: 10秒以内可考虑加装圆光栅;HHF系列为(1°)之倍数的固定角度之转台，故不可作连续切削加工。

Accuracy requirements for workpieces

A: Within 15 seconds, the WGNC or GSC series can be selected for 0.001°

B: Consider installing a circular grating within 10 seconds; The HHF series is a fixed angle turntable that is a multiple of (1°), so it cannot be used for continuous cutting.

3 工件的形状及尺寸

A: 如是棒料，则需加购三爪四爪卡盘、顶针尾座(如右①示意图)在选用三爪卡盘时，建议卡盘的外径不要大于盘面直径。

B: 如加工盘类零件，则需加购圆盘尾座(如右②示意图)[另，L型块、大底板、中板(过桥板)可请夹具商制作，也可我方一并提供]。

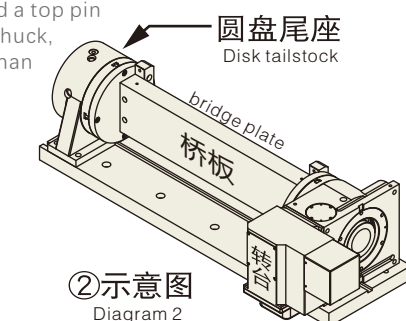
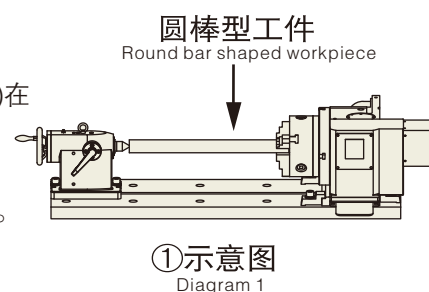
※在使用过桥板时，过桥板的宽度尺寸尽量不要大于盘面直径。

The shape and size of the workpiece

A: If it is a bar material, it is necessary to purchase a three jaw four jaw chuck and a top pin tailstock (as shown in the diagram on the right ①). When selecting a three jaw chuck, it is recommended that the outer diameter of the chuck should not be greater than the diameter of the disc surface.

B: If processing disk type parts, it is necessary to purchase a disk tailstock (as shown in the diagram on the right ②) [In addition, L-shaped blocks, large base plates, and middle plates (bridge plates) can be made by fixture manufacturers, or we can provide them together].

※ When using the bridge deck, the width dimension of the bridge deck should not be greater than the diameter of the disc surface as much as possible



4 可承受负载

先确认转台可承受工件的负载，再确认机床工作台可承受的总负载，再将预选的转台、尾座、L型块、中板(过桥板)、大底板、工件、夹具等重量合计，如果超重则先判断工件的材质如是铝合金或其他轻材料，只是形状支节过长，活动旋径需求过大，造成必需选择大型转台，则此时可将转台改选小一号的，再另加垫高块即可减重，且价格也较低又能满足工件的活动旋径。

Capable of withstanding loads

First, confirm that the turntable can withstand the load of the workpiece, then confirm the total load that the machine tool worktable can withstand. Then, add up the weight of the pre selected turntable, tailstock, L-shaped block, middle plate (bridge plate), large bottom plate, workpiece, fixture, etc. If it is overweight, first determine the material of the workpiece, such as aluminum alloy or other lightweight materials. However, if the shape support section is too long and the required movable rotary diameter is too large, it is necessary to choose a large turntable. At this time, the turntable can be changed to a smaller size, and additional height blocks can be added to reduce weight. The price is also lower and can meet the movable rotary diameter of the workpiece.

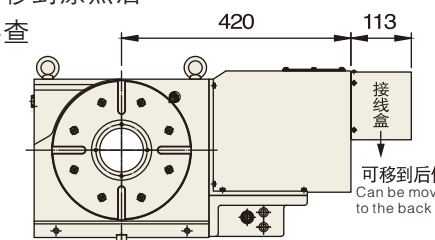
5 确认Y轴方向的干涉

先确认预选的转台放在机床工作台上是否有干涉?请先将立加机Y轴移到原点

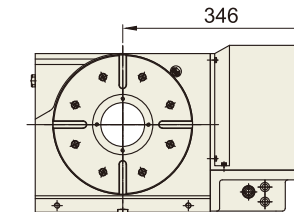
后测量工作台中心槽到机床移门钣金处的尺寸[如还有450mm]，则再查

核转台的盘面中心线到电机罩尾端(不含接线盒)的尺寸(如GHC-255只有420mm)，(如右③示意图)则转台确定不会撞到移门钣金，故可选用GHC-255(立卧两用)机型。

反之，如果会撞到移门钣金，则请改选GHC-255(缩小钣金，只有346mm)(如右③-1示意图)。



③示意图
Diagram 3



③-1示意图
Diagram 3-1

Capable of withstanding loads

First, confirm if there is any interference when placing the pre selected turntable on the machine tool worktable? Please first move the Y-axis of the vertical lathe to the origin and measure the dimension from the center slot of the worktable to the sliding door sheet metal of the machine tool [if there is still 450mm]. Then check the dimension from the centerline of the turntable to the end of the motor cover (excluding the junction box) (if GHC-255 is only 420mm) (as shown in the diagram on the right ③), and confirm that the turntable will not hit the sliding door sheet metal. Therefore, the GHC-255 (vertical and horizontal dual-use) model can be selected.

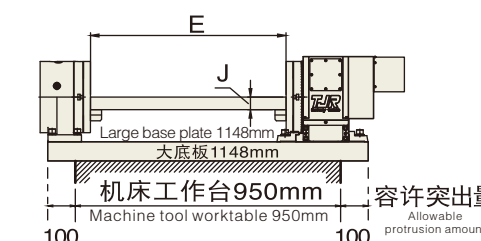
On the contrary, if it will collide with the sliding door sheet metal, please choose GHC-255 (reduced sheet metal, only 346mm) (as shown in the diagram on the right ③-1)

6 确认放置工件的可用空间

请先确认机床工作台长度(如只有1000mm)，如果选用GHC-255转台+RTS-255圆盘尾+桥板，(即可获得“E”中板(过桥板)的空间有750mm可放置工件。“E”的空间及“J”的厚度及“H”的宽度(如右④示意图)。

Confirm the available space for placing workpieces

Please confirm the length of the machine tool worktable first (if only 1000mm). If GHC-255 turntable+RTS-255 disc tail+bridge plate are selected, there will be a space of 750mm for the “E” middle plate (bridge plate) to place the workpiece. The space of “E”, the thickness of “J”, and the width of “H” (as shown in Figure ④ on the right).



④底板大于机床工作台的示意图

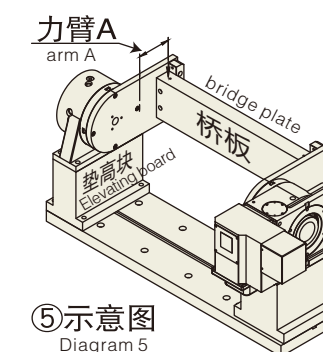
Schematic diagram of the base plate being larger than the machine tool worktable

7 温馨提示

凡购买转台+圆盘尾座，且要设计搭配摇篮式夹具(如右⑤示意图)时，因力臂(A)这段已超出盘面(垫高块越高，力臂A越长，越不合机械常识的负载)造成偏心加工时，会严重磨损蜗轮请务必告知本司，否则本司不负责任。

Warm reminder

When purchasing a turntable and disc tailstock and designing a cradle style fixture (as shown in the diagram on the right ⑤), if the force arm (A) exceeds the disc surface (the higher the cushion block, the longer the force arm A, which is not in line with mechanical knowledge), causing eccentric machining, the worm gear will be severely worn. Please inform our company, otherwise we will not be responsible.



8 所谓预留第四轴的接口(介面)

就是除了如下图所示:①转台②第四轴的电机③有护套的动信线④无护套的动信线⑤第四轴的驱动器。除了这五个大硬件(如下⑥示意图)之外, 机床上必须为第四轴做预留的各个小硬件或PLC软件都称为预留第四轴接口。

(A)如果机床有那些预留第四轴的接口,则事后何时想追加同系统的第四轴做(四轴联动)时, 皆可随心所欲。

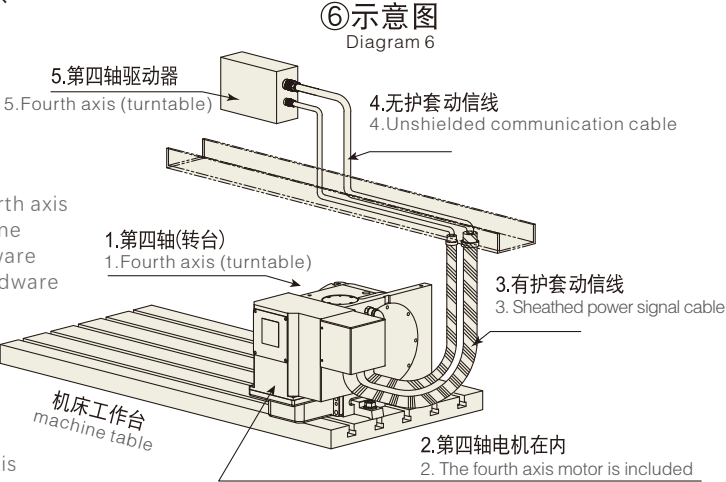
(B)如果机床无那些预留第四轴的接口,但事后想追加第四轴则可选用本司所提供的系统SAC单轴控制器(如下⑦示意图), 但这个单轴控制系统不能与机床的X、Y、Z三轴的任一轴联动只能第四轴动完, 另三轴再动。

The so-called reserved interface for the fourth axis (interface)

Except for the following figure: ① turntable ② motor for the fourth axis ③ sheathed dynamic signal line ④ unsheathed dynamic signal line ⑤ driver for the fourth axis. In addition to these five major hardware components (as shown in Figure ⑥ below), the various small hardware or PLC software that must be reserved for the fourth axis on the machine tool are called reserved fourth axis interfaces.

(A) If the machine tool has interfaces reserved for the fourth axis, you can freely add a fourth axis to the same system (four axis linkage) afterwards.

(B) If the machine tool does not have interfaces reserved for the fourth axis, but later wants to add a fourth axis, the SAC single axis controller provided by our company can be used (as shown in Figure ⑦ below). However, this single axis control system cannot be linked with any of the X, Y, or Z axes of the machine tool, and can only move the fourth axis and then the other three axes.

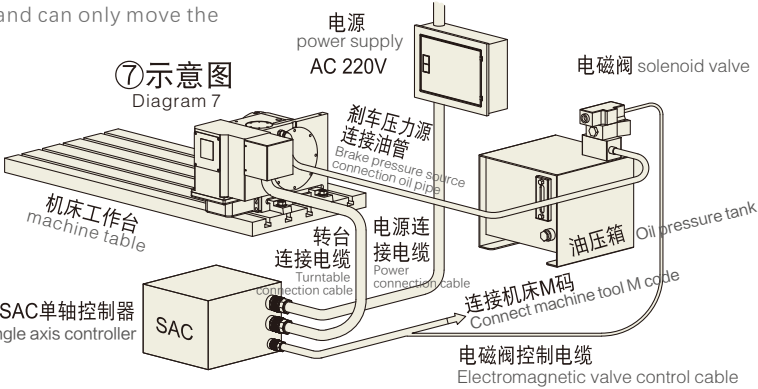


9 SAC单轴控制器的应用

使用SAC或AIC控制器, 不管您的机床使用任何厂牌的控制系統, 只要在机床上有预留一个M码(可接收回授信号的M码), 即可轻松安装使用。

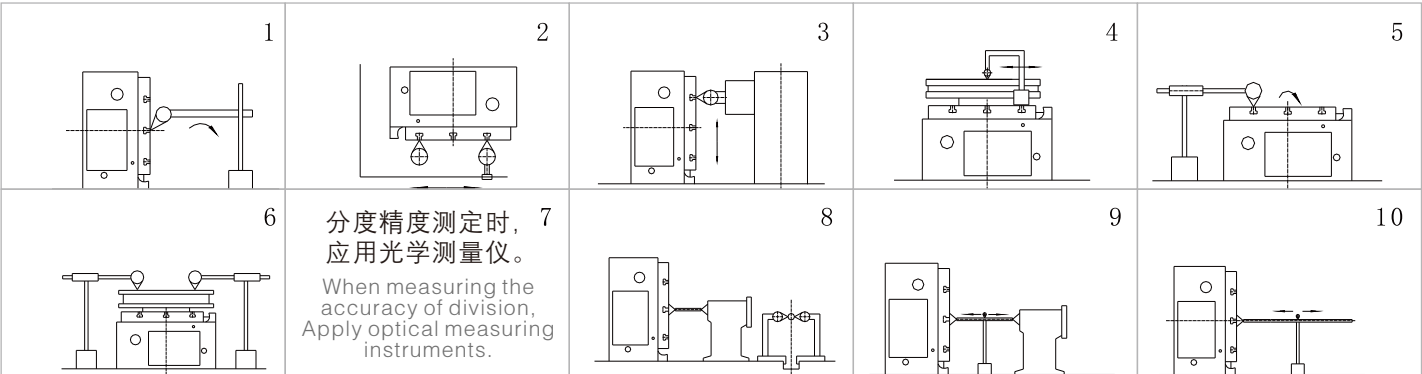
Application of SAC Single Axis Controller

Using SAC or AIC controllers, no matter what brand of control system your machine uses, as long as there is a reserved M-code (M-code that can receive feedback signals) on the machine, it can be easily installed and used.



0.001° 精度检验标准: (JIS/单位: mm)

0.001° accuracy inspection standard: (JIS/unit: mm)



编号 number	检验项目 Inspection items	容许值 allowable value
1	分度盘定位套内孔偏摆量 Deviation of the inner hole of the indexing disc positioning sleeve	真圆度 True roundness
2	分度盘盘面与底部定位键之垂直度 The perpendicularity between the indexing disc surface and the bottom positioning key	垂直位置每300mm Vertical position every 300mm
3	分度盘盘面与底部之垂直度 The perpendicularity between the dial surface and the bottom of the dividing plate	垂直位置每300mm Vertical position every 300mm
4	分度盘盘面之平面度 Flatness of the dividing disc surface	总长度 Total length
5	当转台旋转时盘面之偏摆量 The deflection of the disc surface when the turntable rotates	最大直径 Maximum diameter
6	分度盘盘面与背部之平行度 Parallelism between the dial surface and the back of the indexing plate	总长度 Total length
7	分度精度 Indexing accuracy	累积量 cumulative quantity
8	分度盘及尾座两中心线和底部导块中心线之平行度 Parallelism between the centerlines of the indexing plate and tailstock, and the centerline of the bottom guide block	垂直位置每300mm Vertical position every 300mm
9	分度盘及尾座中心之高度差 The height difference between the dividing plate and the center of the tailstock	
10	分度盘中心孔之偏摆 Deviation of the center hole of the dividing disc	分度盘中心顶端时 At the top of the center of the dividing disc
		100mm位置时 At 100mm position

四轴系列 P16-49

产品目录

卧式系列

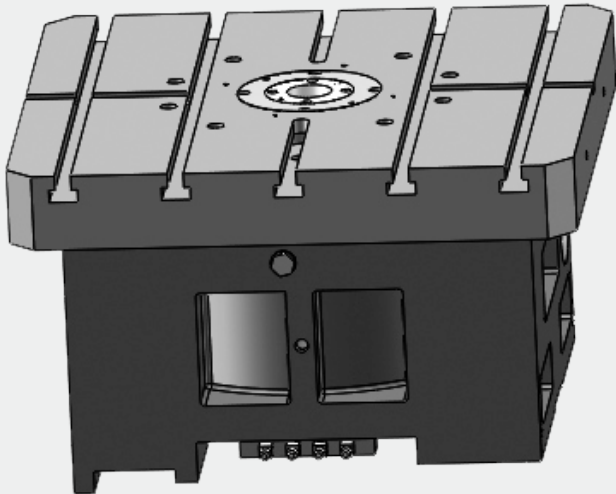
 P16 GHC-630	 P16 GHC-630H	 P17 GHC-630HA	 P18 GHC-800F	 P19 GHC-800
 P19 GHC-800H	 P20 GHC-1000F	 P21 HHF-500F	 P22 HHF-630W	 P23 HHF-630F
 P23 HHF-630H	 P24 HHF-800F	 P24 HHF-800H	 P25 HHF-1000F	 P25 HHF-1000H
 P26 GSC-255BTA	 P27 WGNC-500x500	 P28 WGNC-630TA	 P29 WGNC-800x800	

立式或立卧两用系列

 P30 GSC-255/255A	 P31 GSC-255-210	 P32 GSC-320/320A	 P33 GSC-320L	 P34 GSC-320-310
 P35 GSC-400/400A	 P36 GSC-500/500A	 P37 WGQD-200A/200N	 P38 WGNC-200A/200N	 P39 WGNC-200-T2
 P40 WGNC-255A/255DA	 P41 WGNC-255N/255DN	 P42 WGNC-320A/32DA	 P43 WGNC-320DN-310	 P44 WGNC-320N/320DN
 P45 WGNC-400A/400DA	 P46 WGNC-400N/400DN	 P47 WGNC-500A/500DA	 P48 WGNC-500N/500DN	 P49 WGNC-630DA/630DN

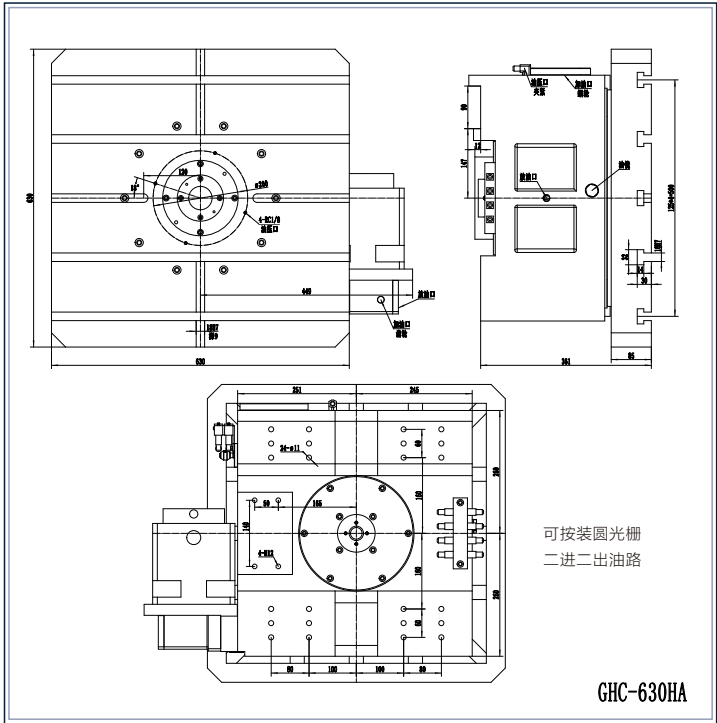
四轴 卧式 horizontal type
FOUR-AXIS

GHC系列series



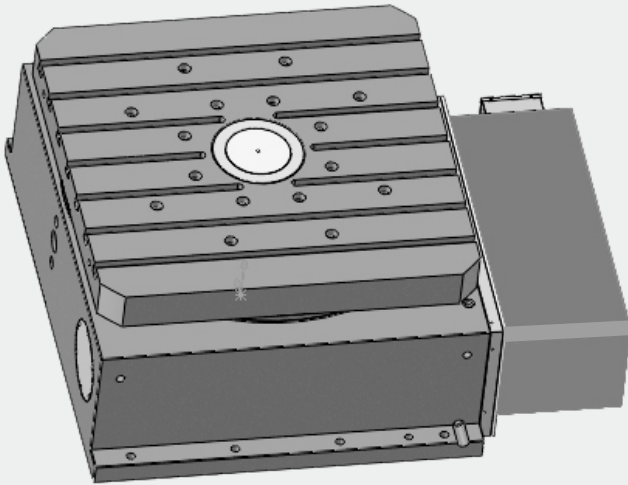
GHC-630HA

规格技术参数



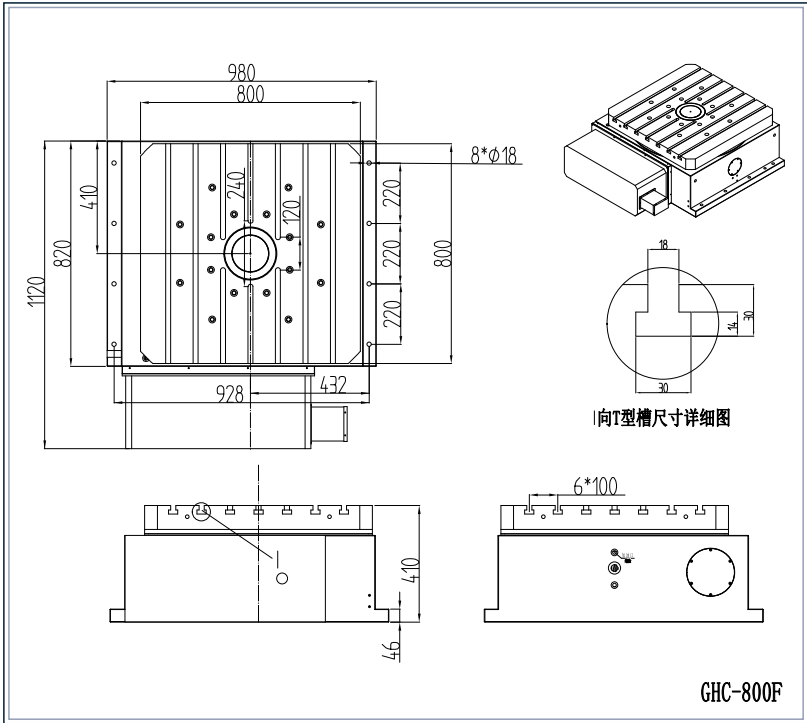
规格型号 Specification and model	GHC-630HA
整机重量(不含电机) Whole machine weight (excluding motor)	570kg
允许切削扭力 Allow cutting torque	120kgf.m
允许工件重量 (工作台内均布) Allow workpiece weight	1000kg
最高转速 Maximum speed	11.1rpm/min
传动比 gear ratio	180
电机 electrical machinery	B22/HG204/根据用户系统 B22/HG204/Motor according to user system
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²
夹紧扭力 Clamping torque	120kgf.m
重复精度 Repetitive accuracy	6"
分度精度 Indexing accuracy	15°
最小设定单位 Minimum setting unit	0.001°
工作台中心孔直径 Center hole diameter of workbench	Φ50
T型槽尺寸 T-shaped slot size	18H7mm
工作台直径 Workbench diameter	Φ630mm

GHC系列series



GHC-800F

规格技术参数

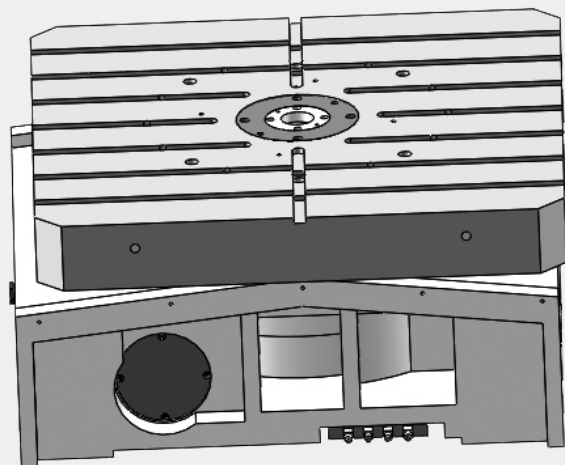


规格型号 Specification and model	GHC-800F
工作台尺寸 Whole machine weight (excluding motor)	800mmX800mm
中心孔尺寸 Central hole size	Φ135H7
最大工件负载 Maximum workpiece load	3000kg
伺服马达型式 Servo motor type	SIEMENS 1FK7103 FANUC α 22i MITSUBISHI HG-354
齿数比 Gear ratio	1:180
最小分度单位 Minimum division unit	0.001°
马达转速 motor speed	3000r.p.m/min
分度盘最大转速 Maximum rotation speed of the dividing disc	16.67r.p.m/min
油压压力 oil pressure	20kg/cm ²
最大刹车扭力 Maximum braking torque	6000N.M
定位精度 positioning accuracy	15°
重复精度 Repetitive accuracy	6°
上台面旋转起伏 Rotating and undulating tabletop	0.02mm
上下平面度 Vertical and horizontal flatness	0.03mm
中心孔同心度 Concentricity of central hole	Φ0.01mm
转台重量 Turntable weight	1550kg

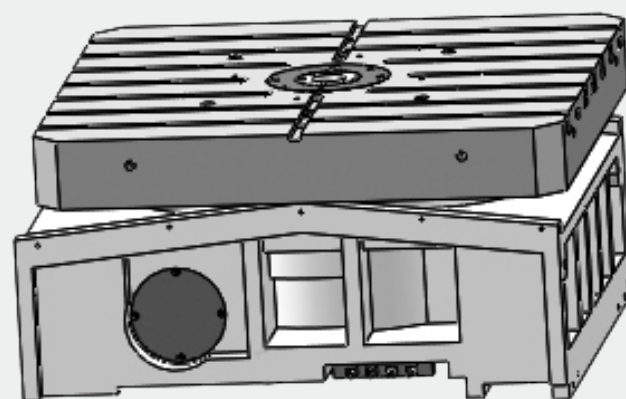
四轴 卧式 horizontal type

FOUR-AXIS

GHC系列series

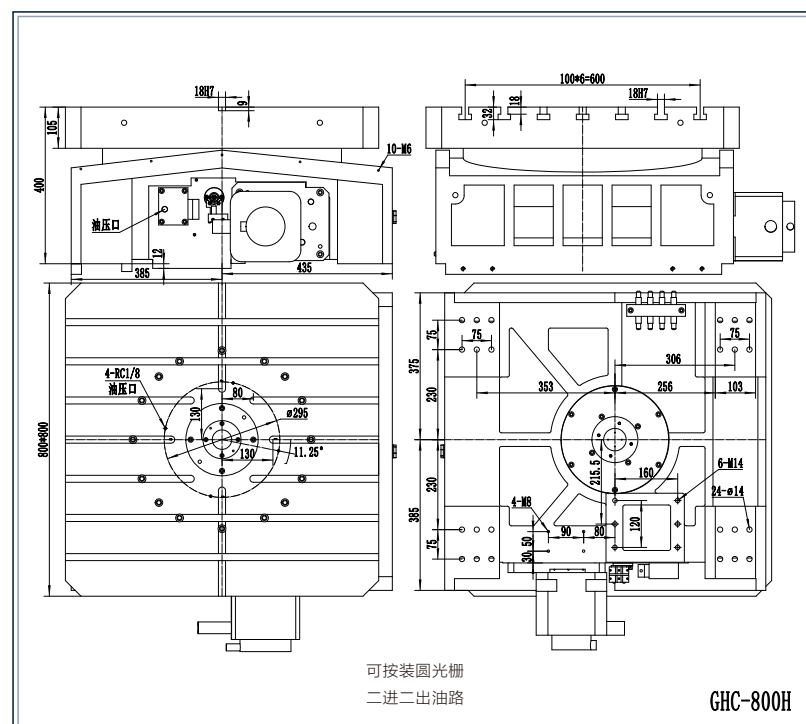


GHC-800



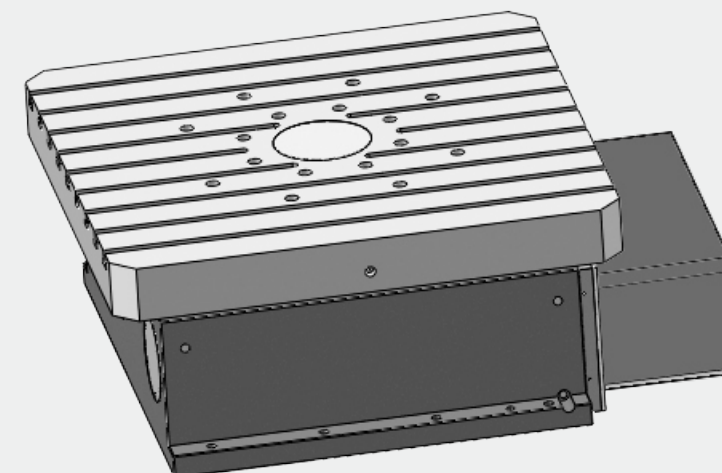
GHC-800H

规格技术参数



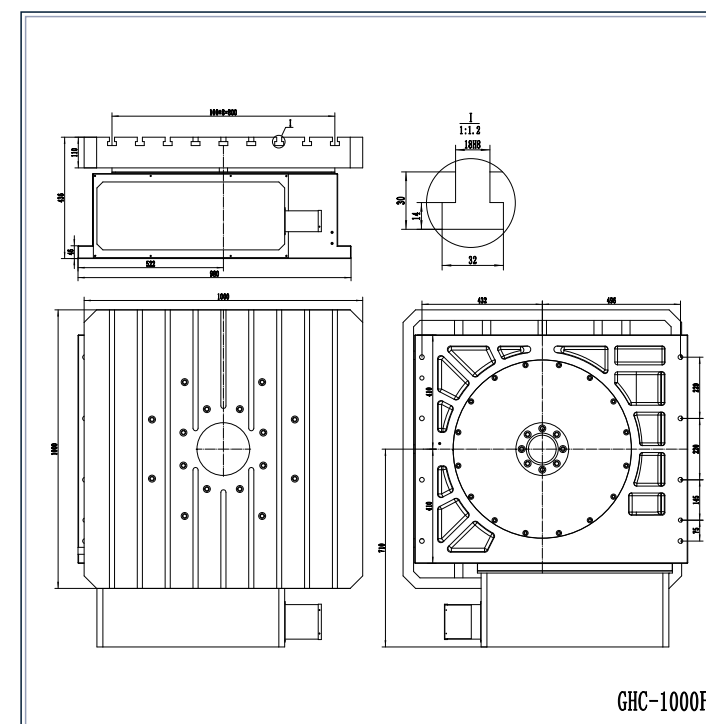
规格型号 Specification and model	GHC-800/800H
整机重量(不含电机) Whole machine weight (excluding motor)	1200kg
允许切削扭力 Allow cutting torque	FXL 1500kgf.m
	FXL 2700kgf.m
	F 6000kgf.m
允许工件重量(工作台内均布) Allow workpiece weight	2500kg
最高转速 Maximum speed	16.6rpm/min
传动比 gear ratio	180
电机 electrical machinery	α iF12/β iS22/根据用户系统 α iF12/β iS22/Motor according to user system
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²
夹紧扭力 Clamping torque	1200kgf.m
重复精度 Repetitive accuracy	6"
分度精度 Indexing accuracy	15"
最小设定单位 Minimum setting unit	0.001°
工作台中心孔直径 Center hole diameter of workbench	Φ 50 H 7
T型槽尺寸 T-shaped slot size	18H7mm
工作台直径 Workbench diameter	Φ 800mm
卧式使用工作台高度 Horizontal workbench height	400mm

GHC系列series



GHC-1000F

规格技术参数



规格型号 Specification and model	GHC-1000F
工作台尺寸 Whole machine weight (excluding motor)	Φ 1000
中心孔尺寸 Central hole size	Φ 190H7
最大工件负载 Maximum workpiece load	3000kg
伺服马达型式 Servo motor type	SIEMENS 1FK7103
	FANUC α 22i
	MITSUBISHI HG-354
齿数比 Gear ratio	1:180
最小分度单位 Minimum division unit	0.001°
马达转速 motor speed	3000r.p.m/min
分度盘最大转数 Maximum rotation speed of the dividing disc	16.67r.p.m/min
油压压力 oil pressure	20kg/cm
最大刹车扭力 Maximum braking torque	6000N.M
定位精度 positioning accuracy	15"
重复精度 Repetitive accuracy	6"
上台面旋转起伏 Rotating and undulating tabletop	0.02mm
上下平面度 Vertical and horizontal flatness	0.03mm
中心孔同心度 Concentricity of central hole	Φ 0.01mm
转台重量 Turntable weight	3000kg

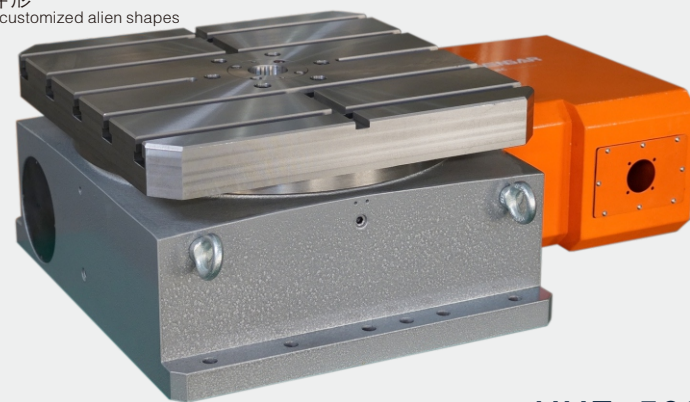
四轴 卧式 horizontal type

FOUR-AXIS

HHF系列series

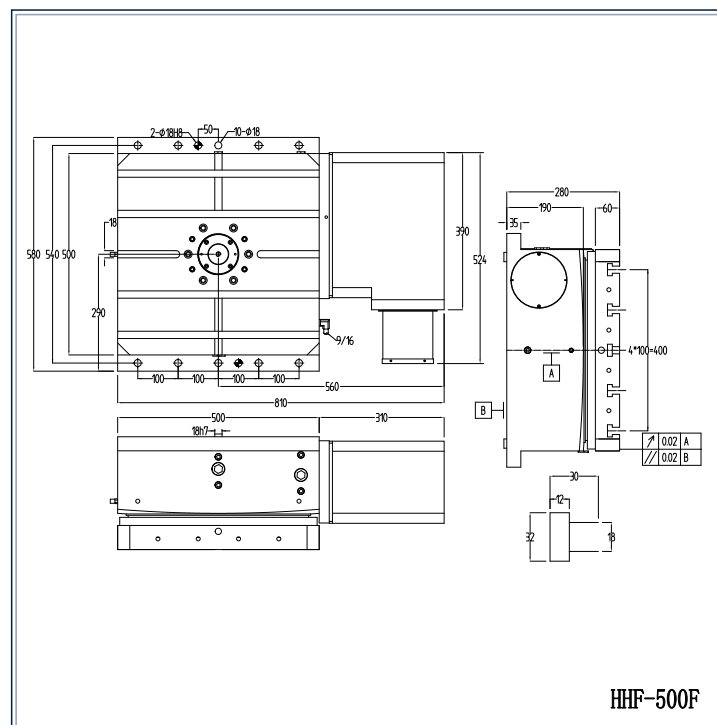
HHF-500F

- F 表示放平面上使用
Used on a flat surface
- H 表示放机床滑座上使用
Indicating use on the machine slide seat
- W 表示定制异形
Representing customized alien shapes
- 表示一度一分
One point per degree
- 表示卧式使用
Indicates horizontal use
- 表示三片式齿盘传动
Three piece gear drive
- 表示盘面大小
Indicate the size of the disk



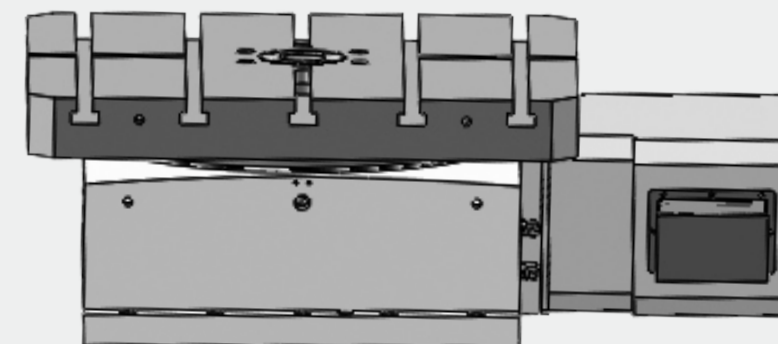
HHF-500F

规格技术参数



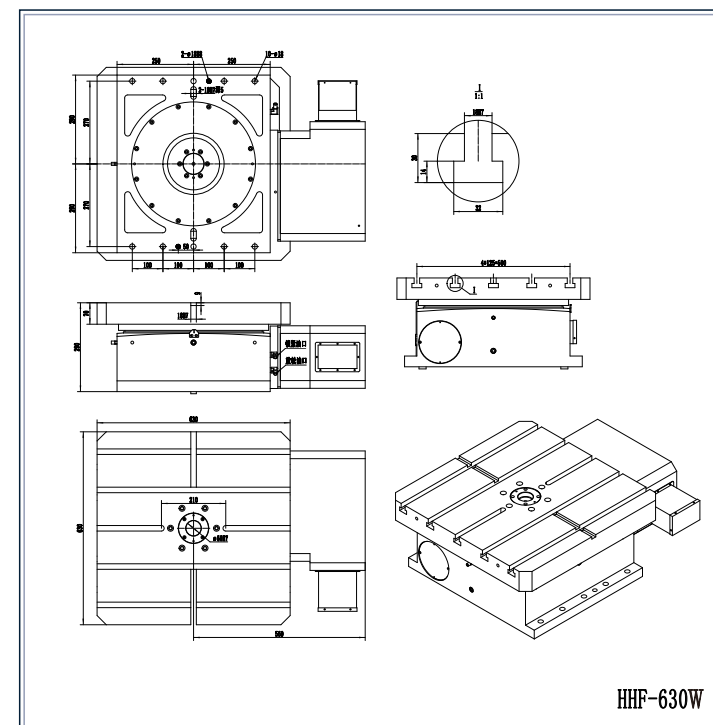
规格型号 Specification and model	HHF-500F		
工作台尺寸 Workbench size	500*500mm		
机台总高度 Total height of the machine	280mm		
基准孔径 Reference aperture	Φ50mm		
盘面T型槽宽 T-shaped slot width on the panel	18mm		
最小设定角度 Minimum set angle	1°		
齿数比 Gear ratio	1:120		
端齿盘直径 End gear disc diameter	Φ358mm		
锁紧状态允许切削力 Locking state allows cutting force	FIL	5760 N.m	
	FIL	5000 N.m	
	F	25000 N	
锁紧扭矩 Locking torque	1000Kg.m		
伺服电机(用户自备) Servo motor (user provided)	FANUC	MITSUBISHI	SIEMENS
	αiF12 βiS22	HF204S	1FK7083
工作台最高转速(马达3000rpm) Maximum worktable speed (motor 3000rpm)	25		
涡轮允许扭矩 Turbine allowable torque	1500N.m		
驱动方式/驱动压力 Driving mode/driving pressure	油压35kgf/cm ²		
重复精度 Repetitive accuracy	±1°		
分度精度 Indexing accuracyy	±4°		
容许负载容量(平均负载) Allowable load capacity (average load)	600kg		
旋转工作台重量(不含伺服马达) Weight of rotating worktable (excluding servo motor)	400kg		

HHF系列series



HHF-630W

规格技术参数

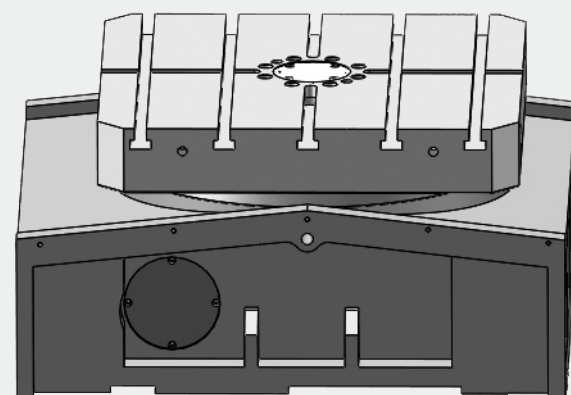


规格型号 Specification and model	HHF-630W		
工作台尺寸 Workbench size	630*630mm		
机台总高度 Total height of the machine	290mm		
基准孔径 Reference aperture	Φ50mm		
盘面T型槽宽 T-shaped slot width on the panel	18mm		
最小设定角度 Minimum set angle	1°		
齿数比 Gear ratio	1:120		
端齿盘直径 End gear disc diameter	Φ358mm		
锁紧状态允许切削力 Locking state allows cutting force	FIL	5760 N.m	
	FIL	5000 N.m	
	F	25000 N	
锁紧扭矩 Locking torque	1000kg.m		
伺服电机(用户自备) Servo motor (user provided)	FANUC	MITSUBISHI	SIEMENS
	αiF12 βiS22	HF204S	1FK7083
工作台最高转速(马达3000rpm) Maximum worktable speed (motor 3000rpm)	25		
涡轮允许扭矩 Turbine allowable torque	1500N.m		
驱动方式/驱动压力 Driving mode/driving pressure	油压35kgf/cm ²		
重复精度 Repetitive accuracy	±1°		
分度精度 Indexing accuracyy	±4°		
容许负载容量(平均负载) Allowable load capacity (average load)	600kg		
旋转工作台重量(不含伺服马达) Weight of rotating worktable (excluding servo motor)	420kg		

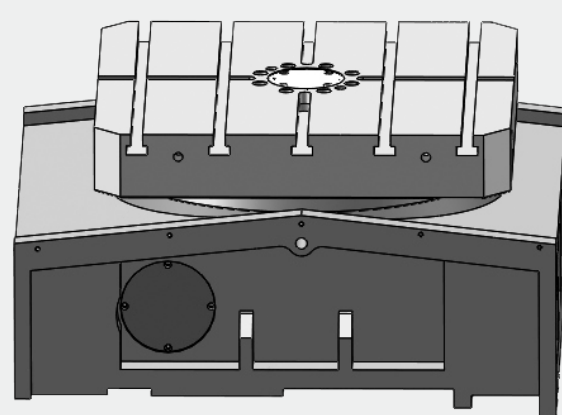
四轴 卧式 horizontal type

FOUR-AXIS

HHF系列series

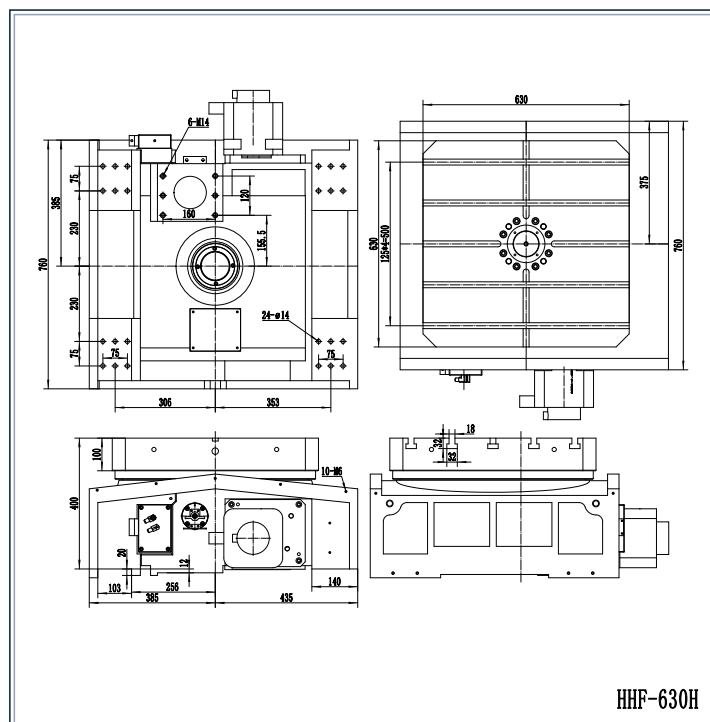


HHF-630F



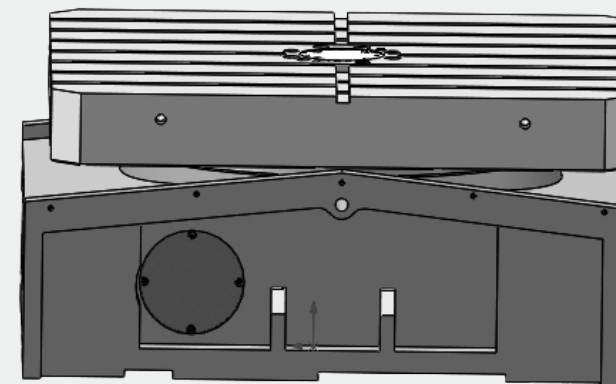
HHF-630H

规格技术参数

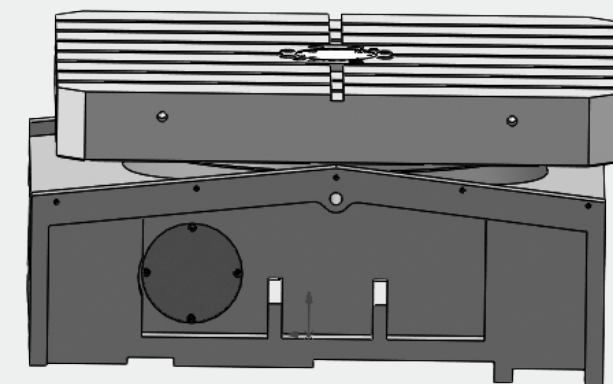


规格型号 Specification and model	HHF-630F/630H	
整机重量(不含电机) Whole machine weight (excluding motor)	847kg	
允许切削扭力 Allow cutting torque	F _{XL}	1500 N.m
	F _{XL}	2700 N.m
	F	6000 N
允许工件重量 (工作台内均布) Allow workpiece weight	2500kg	
最高转速 Maximum speed	16.6rpm/min	
传动比 gear ratio	180	
电机 electrical machinery	α iF12/β iS22/根据用户系统	
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²	
夹紧扭力 Clamping torque	1200kgf.m	
重复精度 Repetitive accuracy	± 1°	
分度精度 Indexing accuracy	± 4°	
最小设定单位 Minimum setting unit	1°	
工作台中心孔直径 Center hole diameter of workbench	Φ116	
T型槽尺寸 T-shaped slot size	18H7mm	
工作台直径 Workbench diameter	Φ630mm	
卧式使用工作台高度 Horizontal workbench height	400mm	

HHF系列series

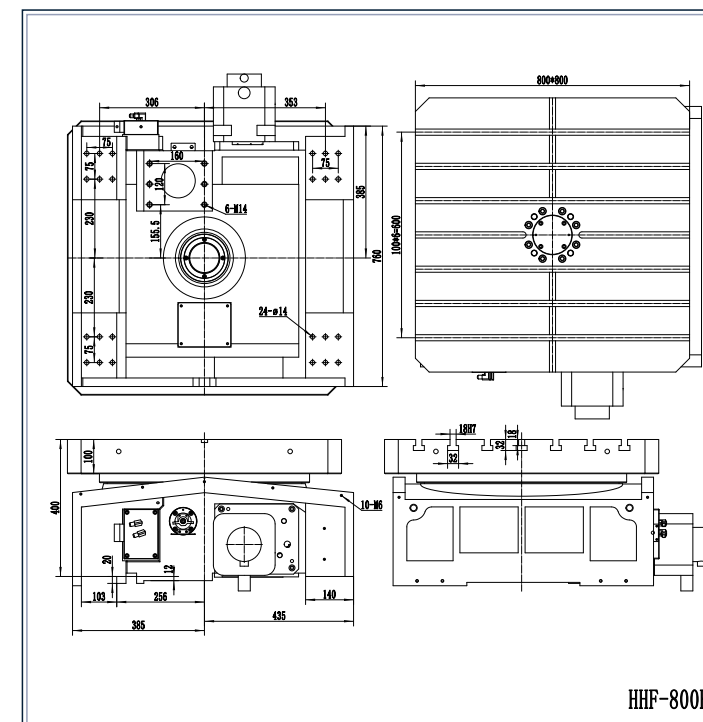


HHF-800F



HHF-800H

规格技术参数

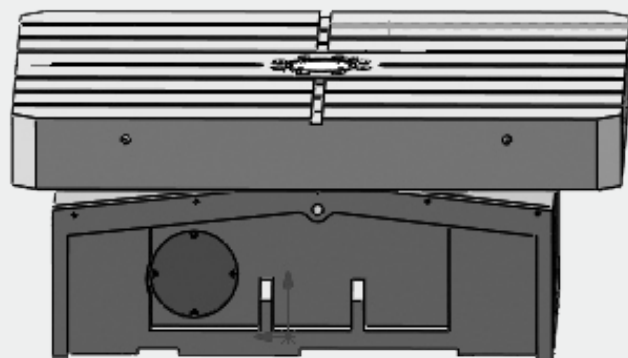


规格型号 Specification and model	HHF-800F/800H	
整机重量(不含电机) Whole machine weight (excluding motor)	970kg	
允许切削扭力 Allow cutting torque	F _{XL}	1500 N.m
	F _{XL}	2700 N.m
	F	6000 N
允许工件重量 (工作台内均布) Allow workpiece weight	2800kg	
最高转速 Maximum speed	16.6rpm/min	
传动比 gear ratio	180	
电机 electrical machinery	α iF12/β iS22/根据用户系统	
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²	
夹紧扭力 Clamping torque	1200kgf.m	
重复精度 Repetitive accuracy	± 1°	
分度精度 Indexing accuracy	± 4°	
最小设定单位 Minimum setting unit	1°	
工作台中心孔直径 Center hole diameter of workbench	Φ116	
T型槽尺寸 T-shaped slot size	18H7mm	
工作台直径 Workbench diameter	Φ800mm	
卧式使用工作台高度 Horizontal workbench height	400mm	

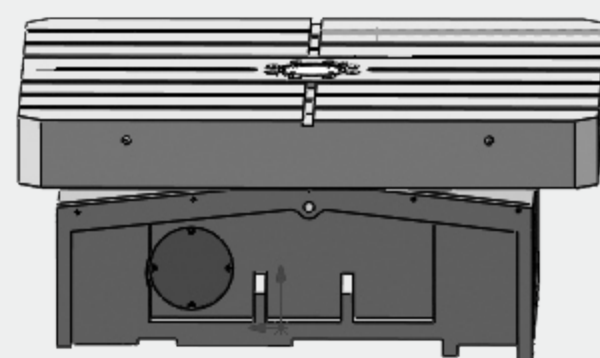
四轴 卧式 horizontal type

FOUR-AXIS

HHF系列series

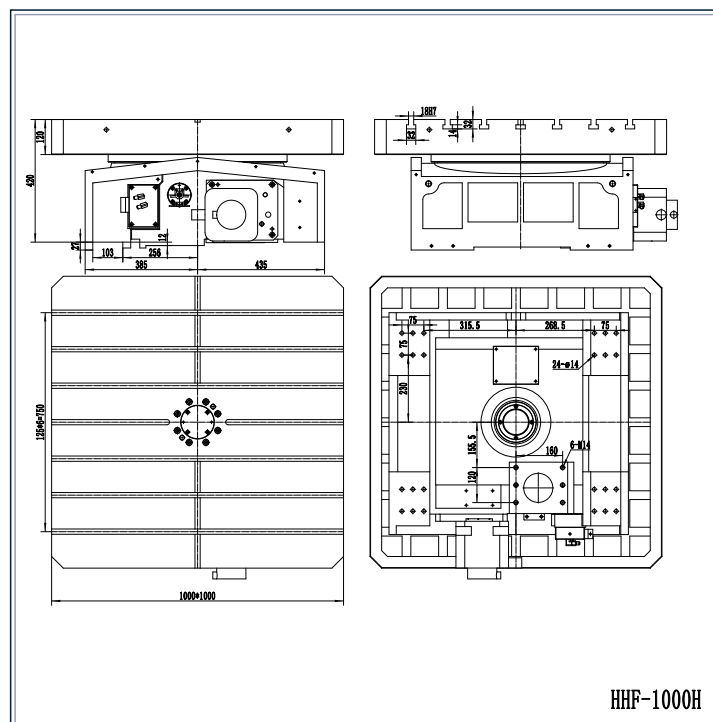


HHF-1000F



HHF-1000H

规格技术参数



HHF-1000H

规格型号 Specification and model	HHF-1000F/1000H	
整机重量(不含电机) Whole machine weight (excluding motor)	1270kg	
允许切削扭力 Allow cutting torque	F _{XL}	1500 N.m
	F _{XL}	2700 N.m
	F	6000 N
允许工件重量 (工作台内均布) Allow workpiece weight	3000kg	
最高转速 Maximum speed	16.6rpm/min	
传动比 gear ratio	180	
电机 electrical machinery	β IS22/根据用户系统	
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²	
夹紧扭力 Clamping torque	1200kgf.m	
重复精度 Repetitive accuracy	± 1°	
分度精度 Indexing accuracy	± 4°	
最小设定单位 Minimum setting unit	1°	
工作台中心孔直径 Center hole diameter of workbench	Φ116mm	
T型槽尺寸 T-shaped slot size	18H7mm	
工作台直径 Workbench diameter	Φ1000mm	
卧式使用工作台高度 Horizontal workbench height	420mm	

GSC系列series

GSC-255BTA

表示定制化
Expressing customization

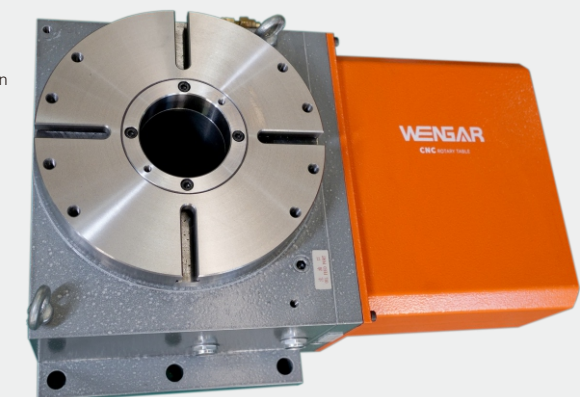
表示摆头安装
Indicate the installation of the swing head

表示盘面大小
Indicate the size of the disk

表示全新优化设计
Representing a brand new optimized design

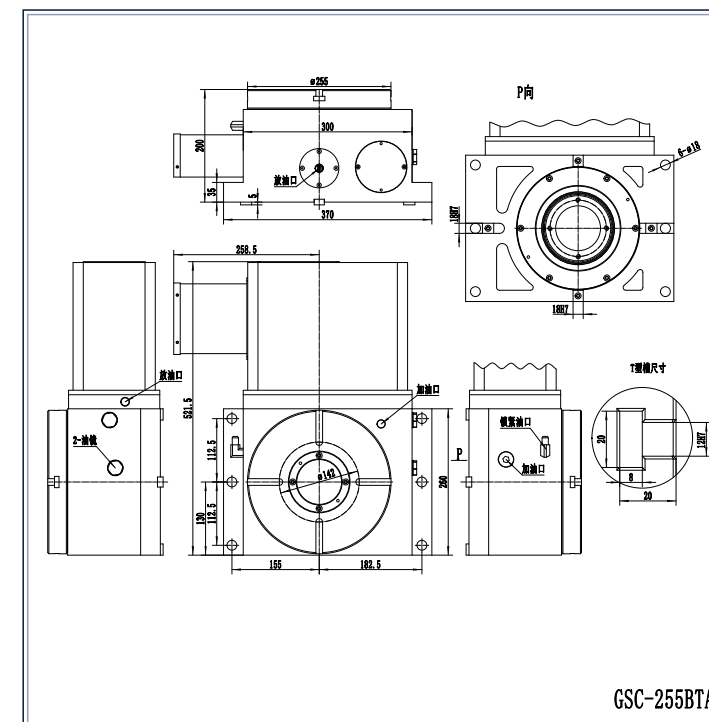
表示立式使用
Indicating vertical use

表示蜗轮蜗杆传动
Indicating worm gear transmission



GSC-255BTA

规格技术参数



GSC-255BTA

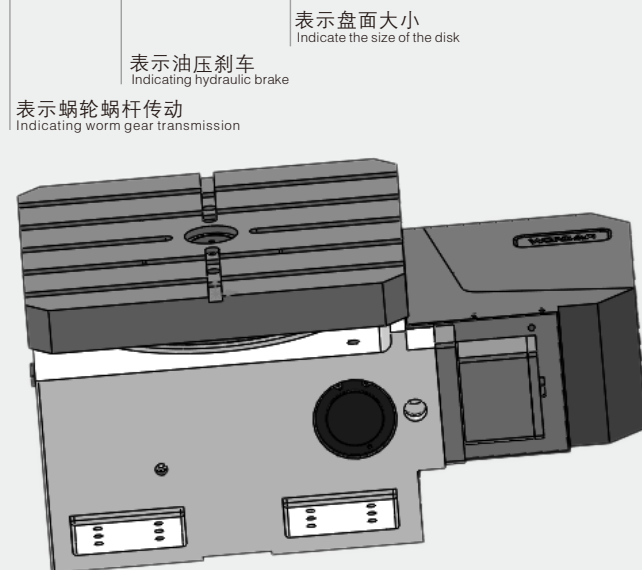
规格型号 Specification and model	GSC-255BTA	
整机重量(不含电机) Whole machine weight (excluding motor)	105kg	
允许切削扭力 Allow cutting torque	60kgf.m	
允许工件重量 (工作台内均布) Allow workpiece weight	卧式	260kg
	立式	110kg
最高转速 Maximum speed	25rpm/min	
传动比 gear ratio	120	
电机 electrical machinery	B8/HG104/根据用户系统	
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²	
夹紧扭力 Clamping torque	75kgf.m	
重复精度 Repetitive accuracy	6°	
分度精度 Indexing accuracy	15°	
最小设定单位 Minimum setting unit	0.001°	
底部定位键宽度 Bottom positioning key width	18H7	
工作台中心孔直径 Center hole diameter of workbench	Φ80	
T型槽尺寸 T-shaped slot size	12H7mm	
工作台直径mm	Φ255mm	
卧式使用工作台高度 Horizontal workbench height	200mm	

四轴卧式 horizontal type

FOUR-AXIS

WGNC系列series

WGNC-500X500



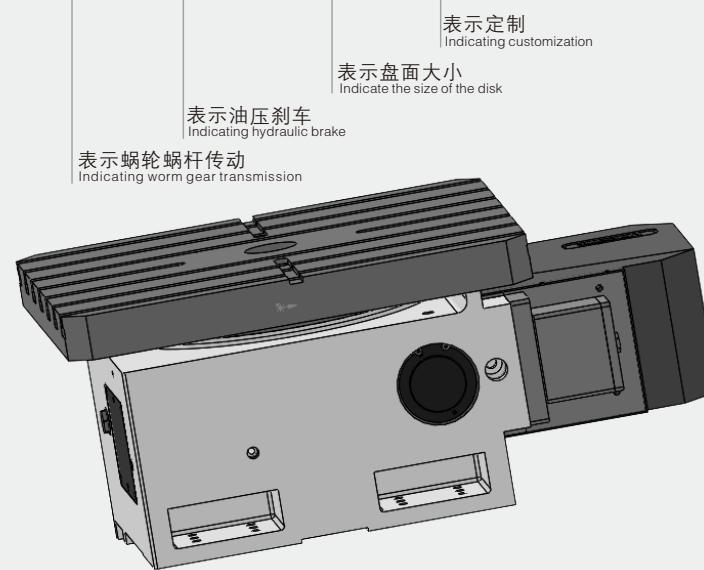
WGNC-500X500

规格技术参数

规格型号 Specification and model	WGNC-500X500			
旋转直径 Rotating diameter	Φ500			
工作台高度 Workbench height	360mm			
贯穿孔径 Penetrating aperture	Φ51mm			
中心孔直径 Center hole diameter	Φ54mm			
工作台T型槽宽度 Workbench T-shaped slot width	18mm			
蜗轮齿数 Number of worm gear teeth	72			
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)	FANUC	MITSUBISHI		
	β iS22	α iF12	HA 100	HF204
总减速比 total reduction ratio	1/180			
最小设定单位 Minimum setting unit	0.001°			
最高回转数 Maximum number of rotations	11.1.r.p.m(马达2000r.p.m)			
锁紧装置油压使用压力 Locking device oil pressure usage pressure	油压35kg/cm²			
夹紧扭矩 Clamping torque	90kg-m(油压35kg/cm²)			
分度精度 Indexing accuracy	15"			
重复精度 Repetitive accuracy	6"			
容许工作物荷载 Allowable work load	500kg			
容许工作惯量 Allowable working inertia	38.5kg-cm-sec			
容许切削扭矩 Allowable cutting torque	120kg-m²			
容许承载工作物直径 Allowable diameter for carrying the workpiece	500mX500mm			
重量(不含马达) Weight (excluding motor)	453kg			

WGNC系列series

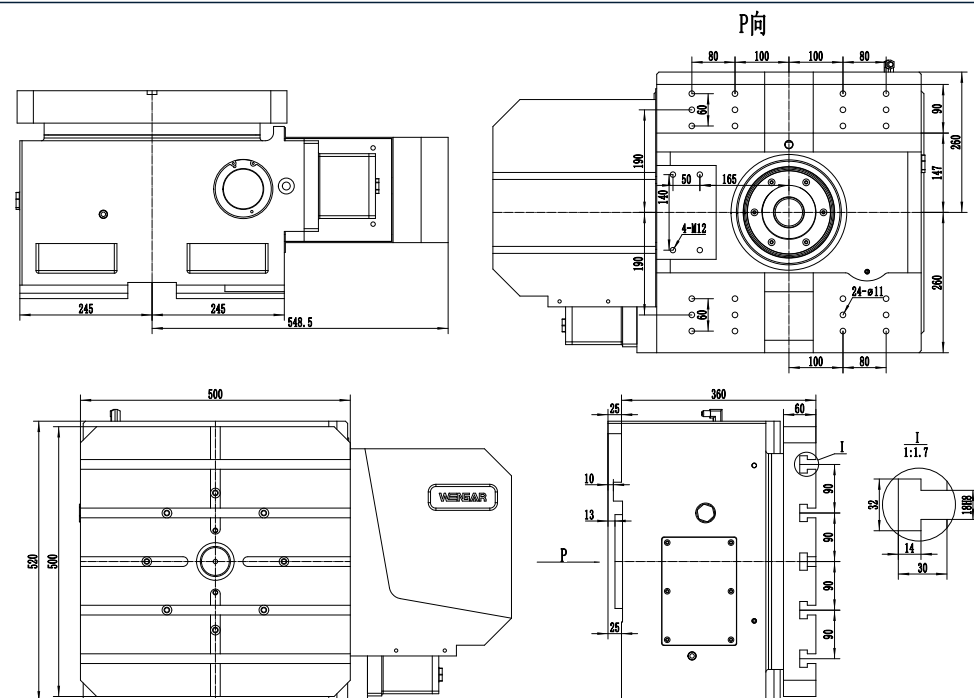
WGNC-630TA



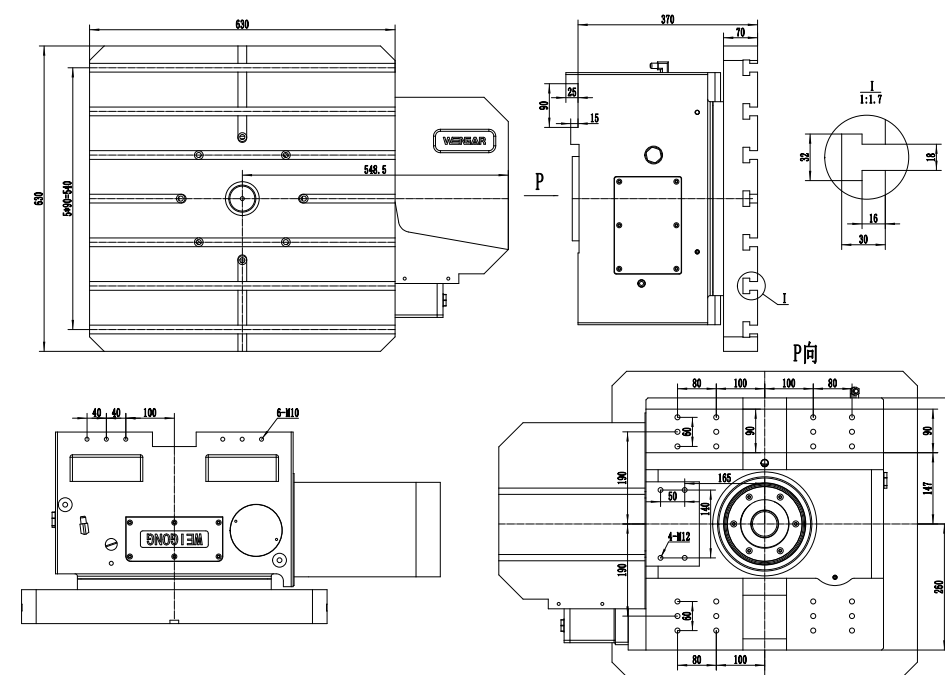
WGNC-630TA

规格技术参数

规格型号 Specification and model	WGNC-630TA			
旋转直径 Rotating diameter	Φ630			
工作台高度 Workbench height	370mm			
贯穿孔径 Penetrating aperture	Φ51mm			
中心孔直径 Center hole diameter	Φ54mm			
工作台T型槽宽度 Workbench T-shaped slot width	18mm			
蜗轮齿数 Number of worm gear teeth	72			
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)	FANUC	MITSUBISHI		
	β iS22	α iF12	HA 100	HF204
总减速比 total reduction ratio	1/180			
最小设定单位 Minimum setting unit	0.001°			
最高回转数 Maximum number of rotations	11.1.r.p.m(马达2000r.p.m)			
锁紧装置油压使用压力 Locking device oil pressure usage pressure	油压35kg/cm²			
夹紧扭矩 Clamping torque	90kg-m(油压35kg/cm²)			
分度精度 Indexing accuracy	15"			
重复精度 Repetitive accuracy	6"			
容许工作物荷载 Allowable work load	500kg			
容许工作惯量 Allowable working inertia	38.5kg-cm-sec			
容许切削扭矩 Allowable cutting torque	120kg-m²			
容许承载工作物直径 Allowable diameter for carrying the workpiece	630mX630mm			
重量(不含马达) Weight (excluding motor)	480kg			



WGNC-500X500



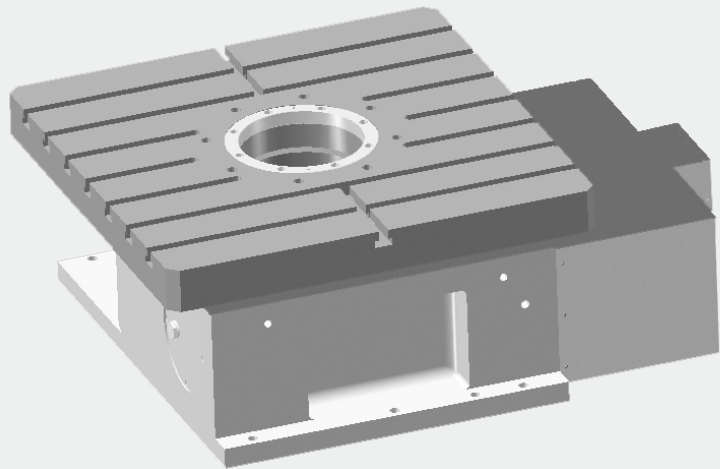
WGNC-630TA

四轴

卧式horizontal type

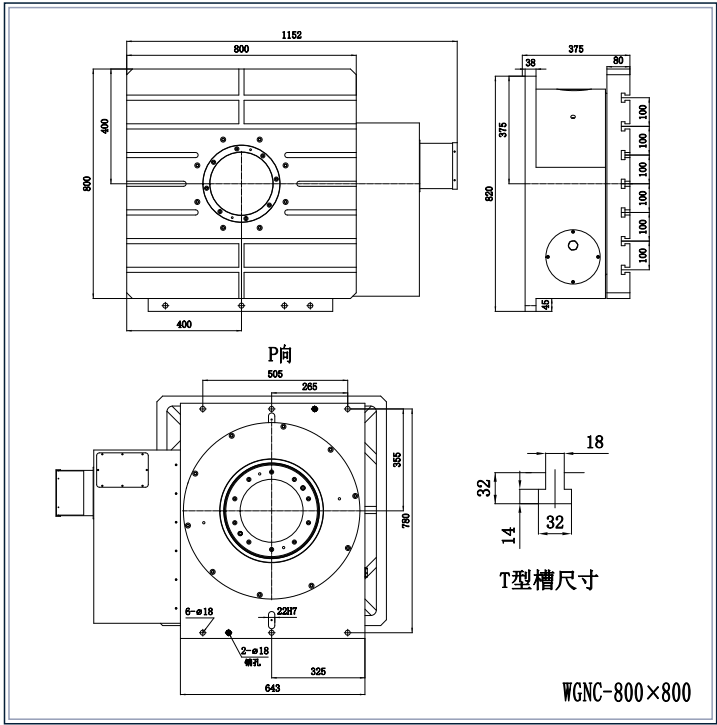
FOUR-AXIS

WGNC系列series



WGNC-800x800

规格技术参数



规格型号 Specification and model	WGNC-800x800			
旋转直径 Rotating diameter	800*800mm			
工作台高度 Workbench height	375mm			
贯穿孔径 Penetrating aperture	Φ220mm			
工作台T型宽度 Workbench T-shaped width	18mm			
基准定位块宽度 width of benchmark positioning block	22mm			
涡轮齿数Number of turbine teeth	90			
伺服马达(可依据客户需求指定品牌) Servo motor (Brands can be specified according to customer needs)	FANUC		MITSUBISHI	
	αiF12	β iS22	HA 100	HF204
总减速比total reduction ratio	1/180			
最小设定单位 Minimum setting unit	0.001°			
最高回转数 Maximum number of rotations	11.1.r.p.m(马达2000r.p.m)			
锁紧装置油压使用压力 Locking device oil pressure usage pressure	油压35kg/cm ²			
夹紧扭矩 Clamping torque	180kg-m(油压35kg/cm ²)			
分度精度Indexing accuracy	15"			
重复精度 Repetitive accuracy	6"			
容许工作物荷载 Allowable work load	1350kg			
容许工作惯量 Allowable working inertia	50kg-cm-sec ²			
容许切削扭矩 Allowable cutting torque	200kg-m			
容许承载工作物直径 Allowable diameter for carrying the workpiece	Φ800mm			
重量(不含马达) Weight (excluding motor)	950kg			

四轴

立卧两用 Dual use of standing and sleeping

FOUR-AXIS

GSC系列series

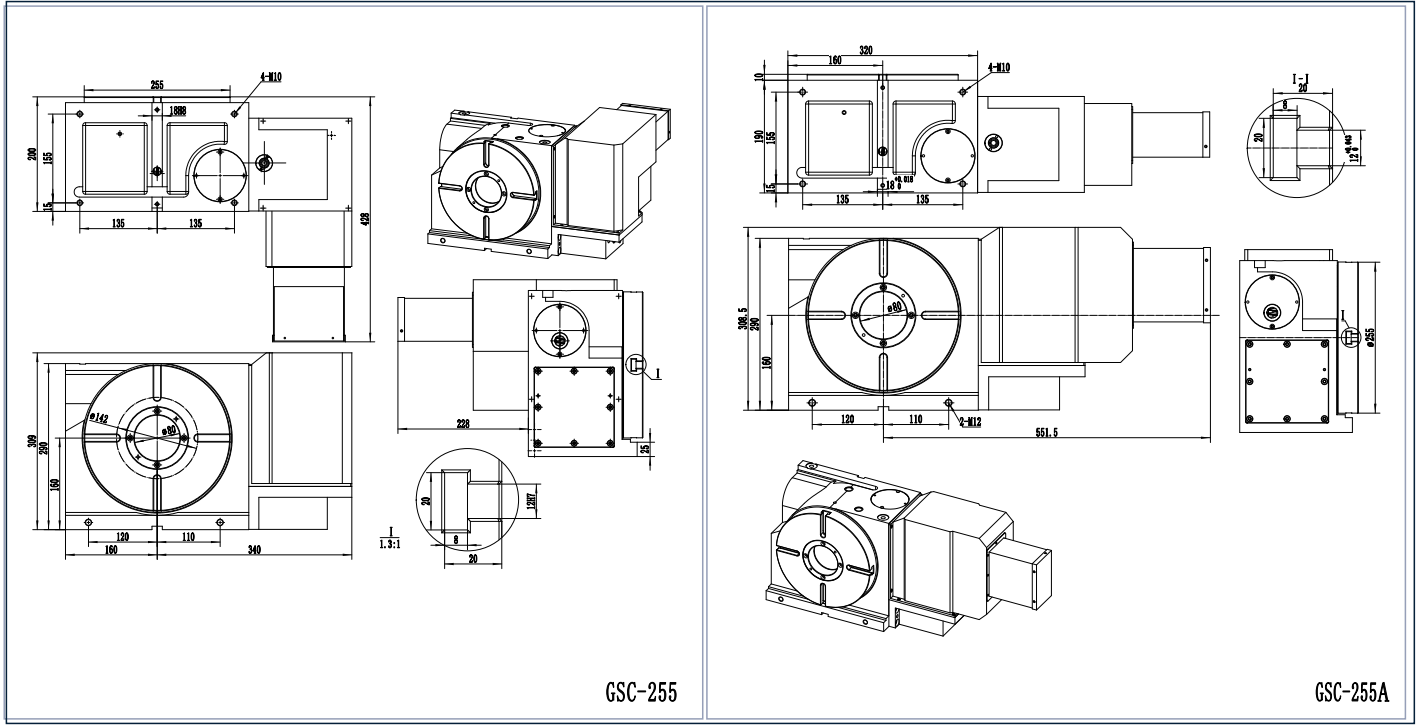


GSC-255/255A

规格技术参数

规格型号 Specification and model	GSC-255/255A	
整机重量(不含电机) Whole machine weight (excluding motor)	105kg	
允许切削扭力 Allow cutting torque	60kgf.m	
允许工件重量 (工作台内均布) Allow workpiece weight	卧式	250kg
	使用尾座	250kg
	立式	100kg
最高转速 Maximum speed	25	
传动比 gear ratio	120	
电机 electrical machinery	B8/HG104/根据用户系统	
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²	
夹紧扭力 Clamping torque	75kgf.m	
重复精度 Repetitive accuracy	6"	
分度精度 Indexing accuracyy	15"	
最小设定单位 Minimum setting unit	0.001°	
底部定位键宽度 Bottom positioning key width	18H7	
工作台中心孔直径 Center hole diameter of workbench	Φ80	
T型槽尺寸 T-shaped slot size	12H7mm	
工作台直径 Workbench diameter	Φ255mm	
立式中心高度 Vertical center height	160mm	
卧式使用工作台高度 Horizontal workbench height	200mm	

规格技术参数



四轴立卧两用 Dual use of standing and sleeping

FOUR-AXIS

GSC系列series

GSC-255-210

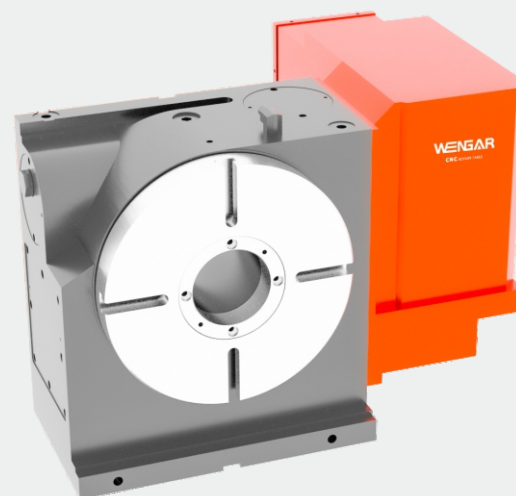
表示中心高
Indicate the center height

表示盘面大小
Indicate the size of the disk

表示全新优化设计
Representing a brand new optimized design

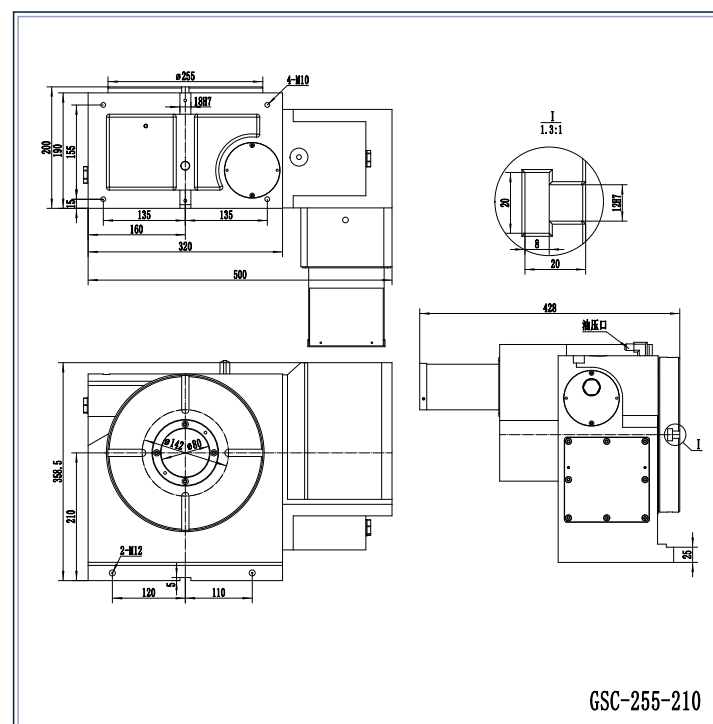
表示立式使用
Indicating vertical use

表示蜗轮蜗杆传动
Indicating worm gear transmission



GSC-255-210

规格技术参数

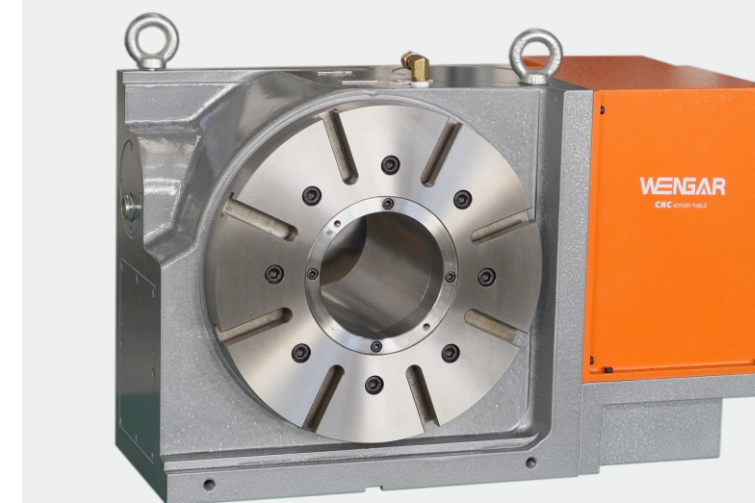


GSC-255-210

规格型号 Specification and model	GSC-255-210
整机重量(不含电机) Whole machine weight (excluding motor)	113kg
允许切削扭矩 Allow cutting torque	60kgf.m
允许工件重量 (工作台内均布) Allow workpiece weight	卧式 250kg
	使用尾座 250kg
	立式 100kg
最高转速 Maximum speed	25rpm/min
传动比 gear ratio	120
电机 electrical machinery	B8/HG104/根据用户系统
使用压力: 油压 Usage pressure: oil pressure	油压35kg/cm ²
夹紧扭矩 Clamping torque	75kgf.m
重复精度 Repetitive accuracy	6"
分度精度 Indexing accuracy	15"
最小设定单位 Minimum setting unit	0.001°
底部定位键宽度 Bottom positioning key width	18H7
工作台中心孔直径 Center hole diameter of workbench	Φ80
T型槽尺寸 T-shaped slot size	12H7mm
工作台直径 Workbench diameter	Φ255mm
立式中心高度mm	210mm
卧式使用工作台高度 Horizontal workbench height	200mm

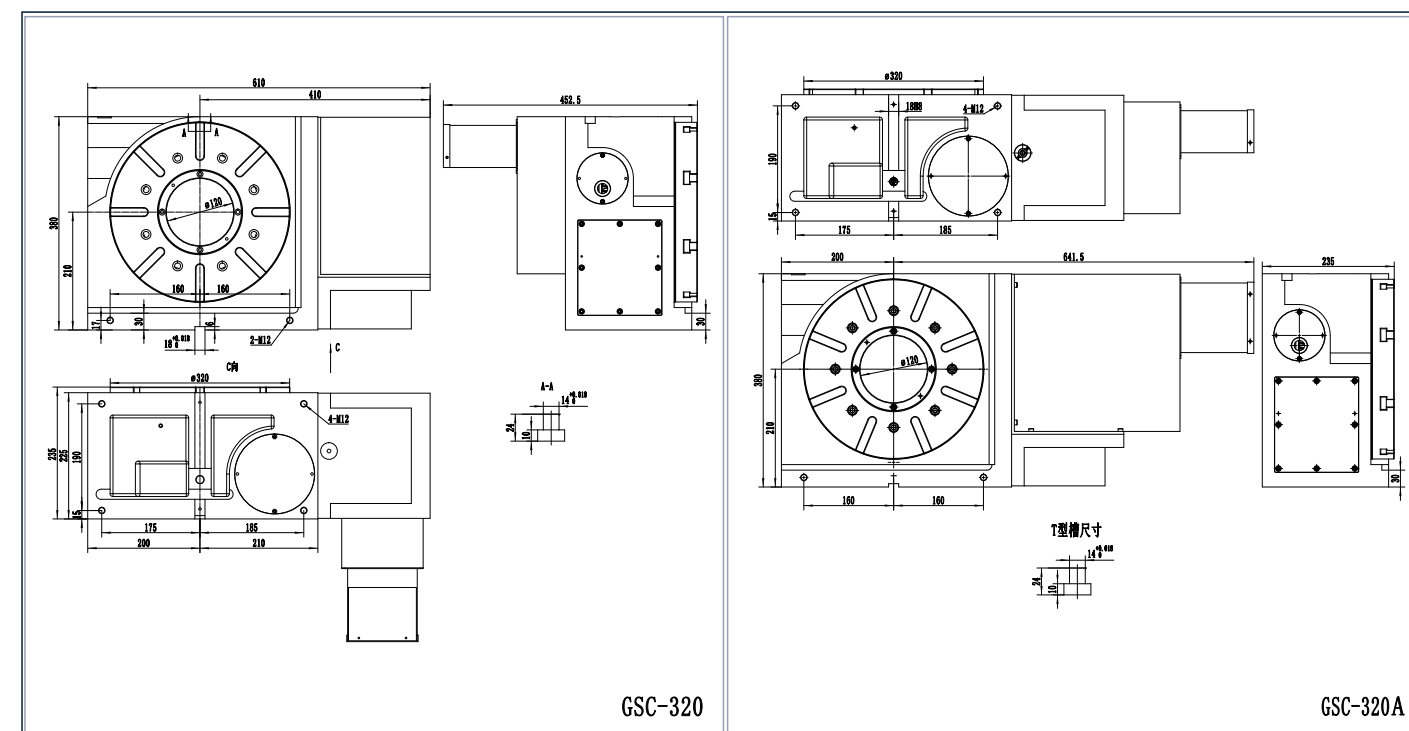
GSC系列series

规格技术参数



GSC-320/320A

规格型号 Specification and model	GSC-320/320A
整机重量(不含电机) Whole machine weight (excluding motor)	200kg
允许切削扭矩 Allow cutting torque	80kgf.m
允许工件重量 (工作台内均布) Allow workpiece weight	卧式 350kg
	使用尾座 350kg
	立式 150kg
最高转速 Maximum speed	25rpm/min
传动比 gear ratio	120
电机 electrical machinery	B22/HG204/根据用户系统
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²
夹紧扭矩 Clamping torque	120kgf.m
重复精度 Repetitive accuracy	6"
分度精度 Indexing accuracy	15"
最小设定单位 Minimum setting unit	0.001°
底部定位键宽度 Bottom positioning key width	18H7
工作台中心孔直径 Center hole diameter of workbench	Φ120
T型槽尺寸 T-shaped slot size	14H7mm
工作台直径 Workbench diameter	Φ320mm
立式中心高度 Vertical center height	210mm
卧式使用工作台高度 Horizontal workbench height	235mm



GSC-320

GSC-320A

四轴

立卧两用 Dual use of standing and sleeping

FOUR-AXIS



GSC系列series

G S C - 3 2 0 L

表示左侧钣金
Indicate the left sheet metal

表示盘面大小
Indicate the size of the disk

表示全新优化设计
Representing a brand new optimized design

表示立式使用
Indicating vertical use

表示蜗轮蜗杆传动
Indicating worm gear transmission

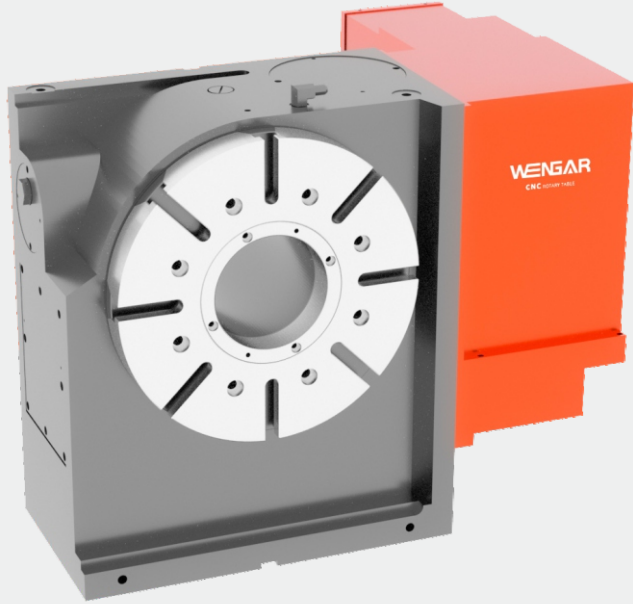


GSC-320L

规格技术参数

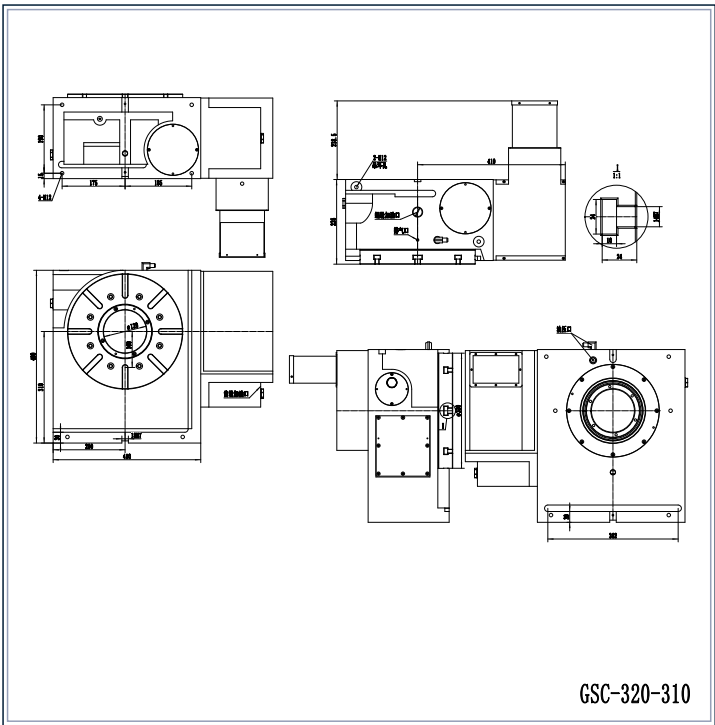
规格型号 Specification and model	GSC-320L
整机重量(不含电机) Whole machine weight (excluding motor)	200kg
允许切削扭力 Allow cutting torque	80kgf.m
允许工件重量 (工作台内均布) Allow workpiece weight	卧式 350kg
	使用尾座 350kg
	立式 150kg
最高转速 Maximum speed	25rpm/min
传动比 gear ratio	120
电机 electrical machinery	B22/HG204/根据用户系统
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm
夹紧扭力 Clamping torque	120kgf.m
重复精度 Repetitive accuracy	6"
分度精度 Indexing accuracy	15"
最小设定单位 Minimum setting unit	0.001°
底部定位键宽度 Bottom positioning key width	18H7
工作台中心孔直径 Center hole diameter of workbench	Φ 120
T型槽尺寸 T-shaped slot size	14H7mm
工作台直径 Workbench diameter	Φ 320mm
立式中心高度 Vertical center height	210mm
卧式使用工作台高度 Horizontal workbench height	235mm

GSC系列series



GSC-320-310

规格技术参数



GSC-320-310

规格型号 Specification and model	GSC-320-310
整机重量(不含电机) Whole machine weight (excluding motor)	230kg
允许切削扭力 Allow cutting torque	80kgf.m
允许工件重量 (工作台内均布) Allow workpiece weight	使用尾座 350kg
	立式 150kg
最高转速 Maximum speed	25
传动比 gear ratio	120
电机 electrical machinery	B22/HG204/根据用户系统
使用压力: 油压 Usage pressure: oil pressure	油压35kg/cm ²
夹紧扭力 Clamping torque	120kgf.m
重复精度 Repetitive accuracy	6"
分度精度 Indexing accuracy	15"
最小设定单位 Minimum setting unit	0.001°
底部定位键宽度 Bottom positioning key width	18H7
工作台中心孔直径 Center hole diameter of workbench	Φ 120mm
T型槽尺寸 T-shaped slot size	14H7mm
工作台直径 Workbench diameter	Φ 320mm
立式中心高度 Vertical center height	310mm

四轴

立卧两用 Dual use of standing and sleeping

FOUR-AXIS



GSC系列series



GSC-400/400A

规格技术参数

规格型号 Specification and model	GSC-400 / 400A	
整机重量(不含电机) Whole machine weight (excluding motor)	293kg	
允许切削扭力 Allow cutting torque	120kgf.m	
允许工件重量 (工作台内均布) Allow workpiece weight	卧式	800kg
	使用尾座	700kg
	立式	300kg
最高转速 Maximum speed	11.1	
传动比 gear ratio	180	
电机 electrical machinery	B22/HG204/根据用户系统	
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm²	
夹紧扭力 Clamping torque	120kgf.m	
重复精度 Repetitive accuracy	6"	
分度精度 Indexing accuracyy	15"	
最小设定单位 Minimum setting unit	0.001°	
底部定位键宽度 Bottom positioning key width	18H7	
工作台中心孔直径/通孔直径 Center hole diameter of workbench/through-hole diameter	Φ170 / Φ140	
T型槽尺寸 T-shaped slot size	14H7mm	
工作台直径 Workbench diameter	Φ400mm	
立式中心高度 Vertical center height	255mm	
卧式使用工作台高度 Horizontal workbench height	273mm	

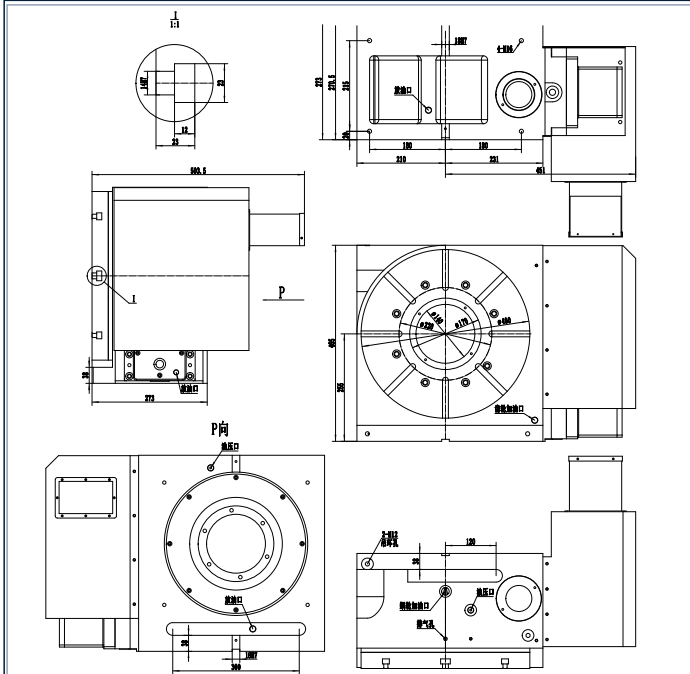
GSC系列series



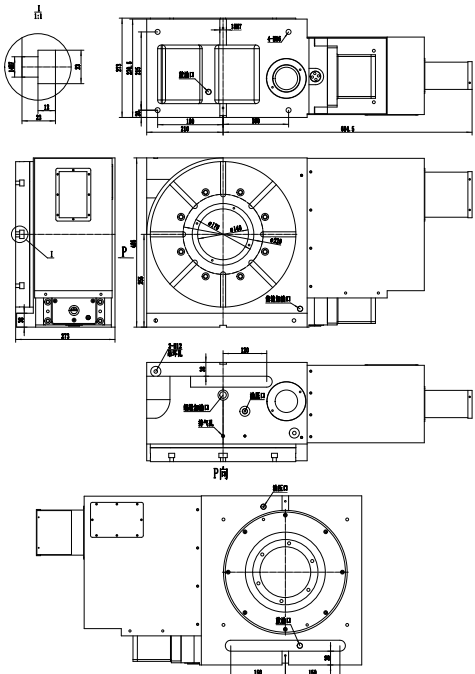
GSC-500/500A

规格技术参数

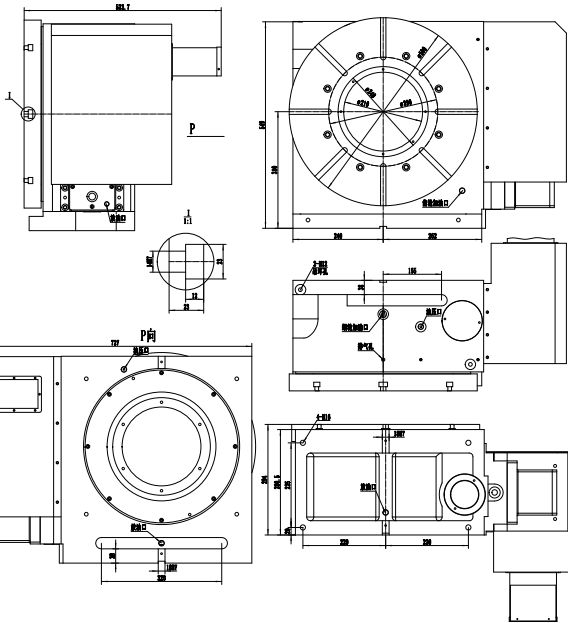
规格型号 Specification and model	GSC-500 / 500A	
整机重量(不含电机) Whole machine weight (excluding motor)	370kg	
允许切削扭力 Allow cutting torque	120kgf.m	
允许工件重量 (工作台内均布) Allow workpiece weight	卧式	1000kg
	使用尾座	800kg
	立式	400kg
最高转速 Maximum speed	11.1rpm/min	
传动比 gear ratio	180	
电机 electrical machinery	B22/HG204/根据用户系统	
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm²	
夹紧扭力 Clamping torque	120kgf.m	
重复精度 Repetitive accuracy	6"	
分度精度 Indexing accuracyy	15"	
最小设定单位 Minimum setting unit	0.001°	
底部定位键宽度 Bottom positioning key width	18H7	
工作台中心孔直径/通孔直径 Center hole diameter of workbench/through-hole diameter	Φ240 / Φ210	
T型槽尺寸 T-shaped slot size	14H7mm	
工作台直径 Workbench diameter	Φ500mm	
立式中心高度 Vertical center height	310mm	
卧式使用工作台高度 Horizontal workbench height	294mm	



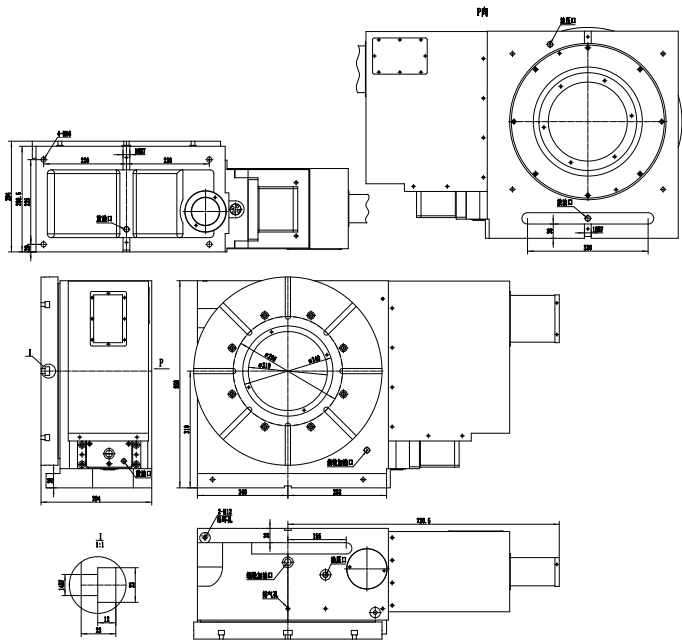
GSC-400



GSC-400A



GSC-500



GSC-500A

四轴立卧两用 Dual use of standing and sleeping

FOUR-AXIS

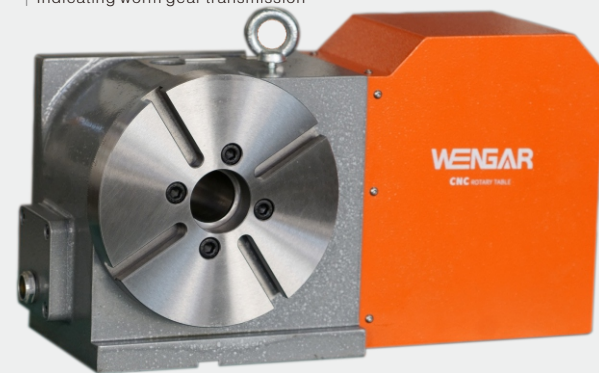
WGQD 气压刹车

WGQD-200A

A 表示卧式使用
Indicates horizontal use
N 表示立式使用
Indicates vertical use

表示气压刹车
Indicating pneumatic braking

表示蜗轮蜗杆传动
Indicating worm gear transmission



WGQD-200A/200N

规格技术参数

规格型号 Specification and model	WGQD-200A/200N
旋转直径 Rotating diameter	Φ200mm
中心高 center height	135mm
贯穿孔径 Penetrating aperture	Φ40mm
工作台T型槽宽度 Workbench T-shaped slot width	12mm
基准定位块宽度 Width of benchmark positioning block	18mm
蜗轮齿数 Number of worm gear teeth	60
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)	FANUC MITSUBISHI β iS4 α iF2 HF54
总减速比 total reduction ratio	1/60
最小设定单位 Minimum setting unit	0.001°
最高回转数 Maximum number of rotations	33.3 r.p.m (马达3000r.p.m)
锁紧装置气压使用压力 Locking device air pressure usage pressure	5kg/cm ²
夹紧扭力 Clamping torque	10kg-m
分度精度 Indexing accuracy	15°
重复精度 Repetitive accuracy	6°
容许工作物荷载 Allowable work load	卧式使用 150kg 立式使用 75kg 使用尾座 150kg
容许工作惯量 Allowable working inertia	16.3kg-cm-sec ²
容许切削扭矩 Allowable cutting torque	80kg-m
容许承载工作物直径 Allowable diameter for carrying the workpiece	Φ200m
重量(不含马达) Weight (excluding motor)	60kg

WGNC系列series

WGNC-320DN-310

表示中心高
Indicate the center height

A 表示卧式使用
Indicates horizontal use
N 表示立式使用
Indicates vertical use
D 表示孔径大小
Indicate aperture size

表示盘面大小
Indicate the size of the disk

表示油压刹车
Indicating hydraulic brake

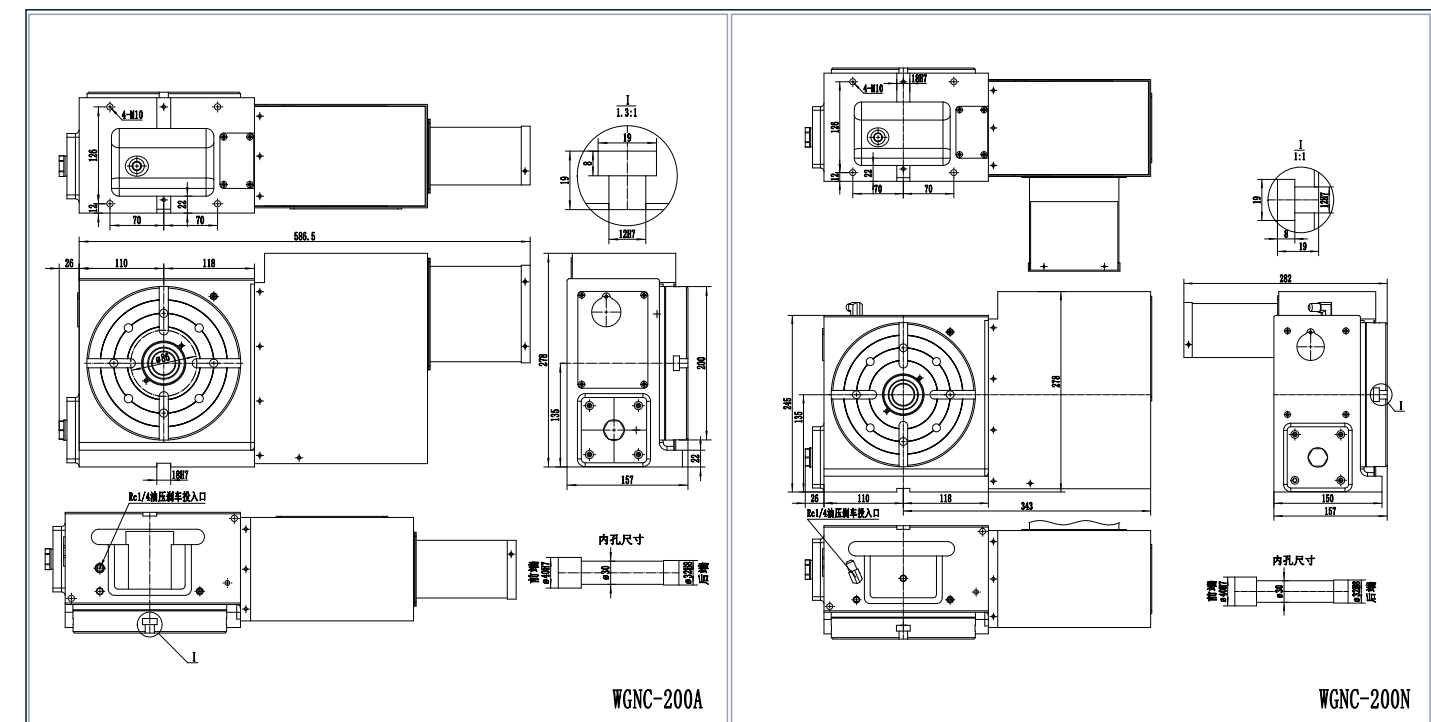
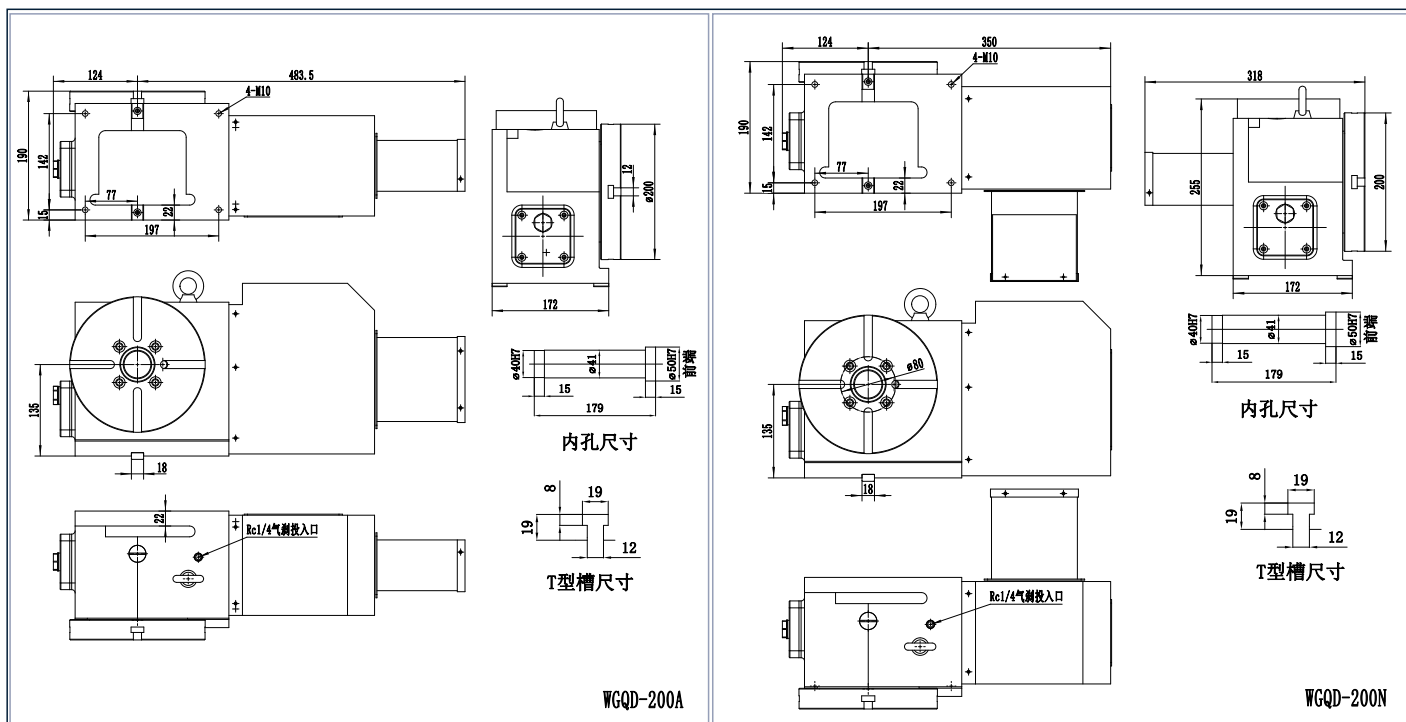
表示蜗轮蜗杆传动
Indicating worm gear transmission



WGNC-200A/200N

规格技术参数

规格型号 Specification and model	WGNC-200A/200N
旋转直径 Rotating diameter	Φ200mm
工作台高度 Workbench height	卧式使用 157mm 立式使用 135mm
贯穿孔径 Penetrating aperture	Φ30mm
工作台T型槽宽度 Workbench T-shaped slot width	12mm
基准定位块宽度 Width of benchmark positioning block	18mm
蜗轮齿数 Number of worm gear teeth	72
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)	FANUC MITSUBISHI β iS8 α iF4 HA 83 Hf104
总减速比 total reduction ratio	1/90
最小设定单位 Minimum setting unit	0.001°
最高回转数 Maximum number of rotations	16.6 r.p.m (马达3000r.p.m)
锁紧装置油压使用压力 Locking device oil pressure usage pressure	油压35kg/cm ²
夹紧扭矩 Clamping torque	39kg-m (油压35kg/cm ²)
分度精度 Indexing accuracy	15°
重复精度 Repetitive accuracy	6°
容许工作物荷载 Allowable work load	卧式使用 150kg 立式使用 75kg 使用尾座 150kg
容许工作惯量 Allowable working inertia	12.3kg-cm-sec ²
容许切削扭矩 Allowable cutting torque	48kg-m
容许承载工作物直径 Allowable diameter for carrying the workpiece	Φ200m
重量(不含马达) Weight (excluding motor)	60kg



四轴

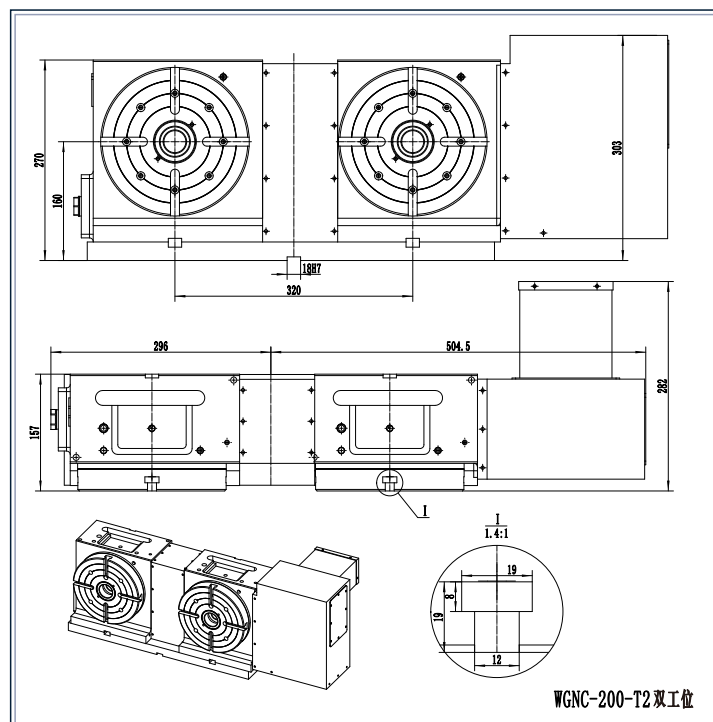
立卧两用 Dual use of standing and sleeping
FOUR-AXIS

WGNC系列series



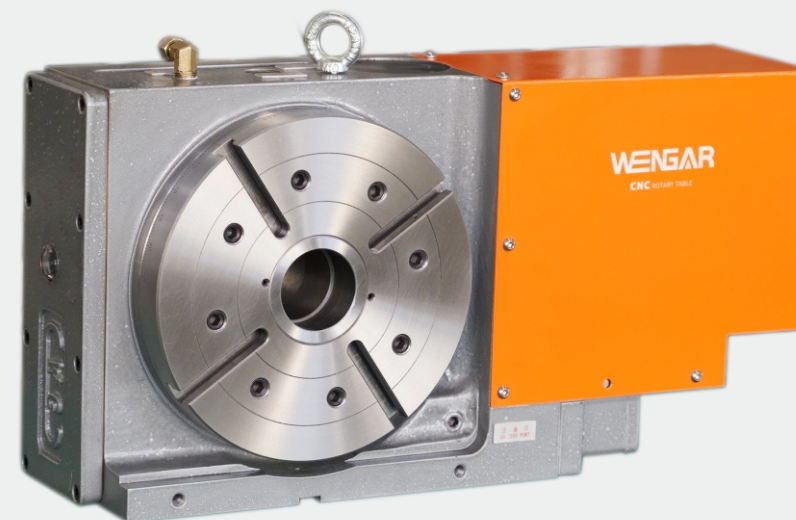
WGNC-200-T2

规格技术参数



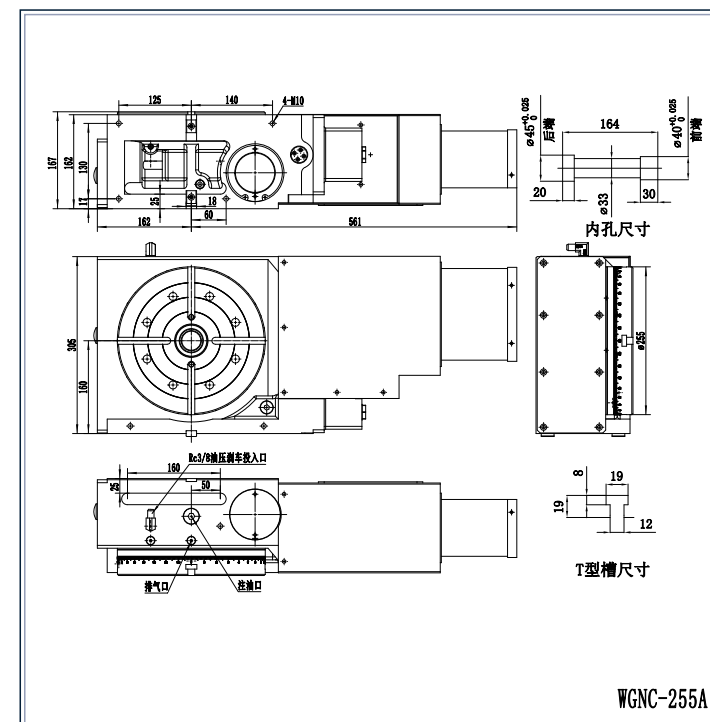
规格型号	WGNC-200-T2
整机重量(不含电机) Whole machine weight (excluding motor)	130kg
允许切削扭力 Allow cutting torque	48kgf.m
允许工件重量 (工作台内均布) Allow workpiece weight	卧式 150mm
	使用尾座 150mm
	立式 75mm
最高转速 Maximum speed	22.5rpm/min
传动比 gear ratio	90
电机 electrical machinery	B8/HF54/根据用户系统
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²
夹紧扭力 Clamping torque	39kgf.m
重复精度 Repetitive accuracy	6"
分度精度 Indexing accuracy	15"
最小设定单位 Minimum setting unit	0.001°
底部定位键宽度 Bottom positioning key width	18H7
工作台中心孔直径/通孔直径 Center hole diameter of workbench/through-hole diameter	Φ40/Φ27
T型槽尺寸 T-shaped slot size	12H7mm
工作台直径 Workbench diameter	Φ200mm
立式中心高度 Vertical center height	160mm
卧式高度mm	157mm

WGNC系列series



WGNC-255A/255DA

规格技术参数



规格型号		WGNC-255A/255DA			
Specification and model					
旋转直径 Rotating diameter		Φ255mm			
工作台高度 Workbench height		卧式使用 167mm 立式使用160mm			
贯穿孔径 Penetrating aperture		Φ33mm / Φ60mm			
工作台T型槽宽度 Workbench T-shaped slot width		12mm			
基准定位块宽度 Width of benchmark positioning block		18mm			
蜗轮齿数 Number of worm gear teeth		72			
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)		FANUC		MITSUBISHI	
		β iS8		α iF4 HA 83 Hf104	
总减速比 total reduction ratio		1/180			
最小设定单位 Minimum setting unit		0.001°			
最高回转数 Maximum number of rotations		16.6.r.p.m(马达3000r.p.m)			
锁紧装置油压使用压力 Locking device oil pressure usage pressure		油压35kg/cm²			
夹紧扭矩 Clamping torque		50kg·m(油压35kg/cm²)			
分度精度Indexing accuracy		15°			
重复精度Repetitive accuracy		6°			
容许工作物荷载 Allowable work load		卧式使用		250kg	
		立式使用		100kg	
		使用尾座		250kg	
容许工作惯量 Allowable working inertia		15kg-cm-sec²			
容许切削扭矩 Allowable cutting torque		60kg-m			
重量(不含马达) Weight (excluding motor)		88kg			
容许承载工作物直径 Allowable diameter for carrying the workpiece		Φ255mm			

四轴

立卧两用 Dual use of standing and sleeping

FOUR-AXIS



WGNC系列series

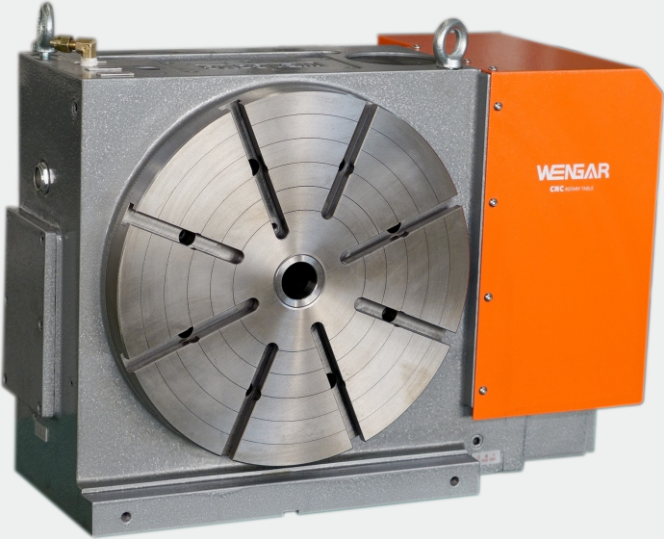


WGNC-255N/255DN

规格技术参数

规格型号 Specification and model	WGNC-255N/255DN			
旋转直径 Rotating diameter	Φ255mm			
中心高 center height	160mm			
贯穿孔径 Penetrating aperture	WGNC-255N	Φ33mm		
	WGNC-255DN	Φ60mm		
工作台T型槽宽度 Workbench T-shaped slot width	12mm			
基准定位块宽度 Width of benchmark positioning block	18mm			
蜗轮齿数 Number of worm gear teeth	72			
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)	FANUC		MITSUBISHI	
	β iS8	α iF4	HA 83	Hf104
总减速比 total reduction ratio	1/180			
最小设定单位 Minimum setting unit	0.001°			
最高回转数 Maximum number of rotations	16.6 r.p.m(马达3000r.p.m)			
锁紧装置油压使用压力 Locking device oil pressure usage pressure	油压35kg/cm²			
夹紧扭矩 Clamping torque	50kg-m(油压35kg/cm²)			
分度精度 Indexing accuracy	15°			
重复精度 Repetitive accuracy	6"			
容许工作物荷载 Allowable work load	立式使用	100kg		
	使用尾座	250kg		
容许工作惯量 Allowable working inertia	15kg-cm-sec²			
容许切削扭矩 Allowable cutting torque	60kg-m			
容许承载工作物直径 Allowable diameter for carrying the workpiece	Φ255m			
重量(不含马达) Weight (excluding motor)	88kg			

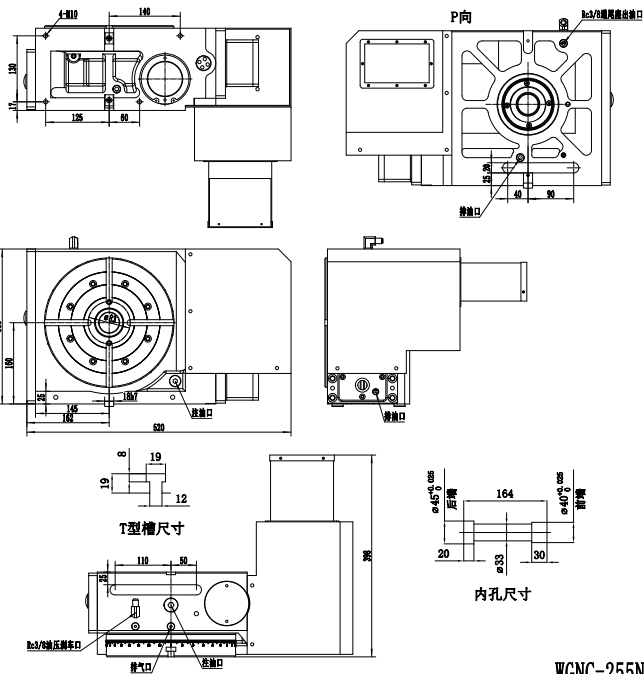
WGNC系列series



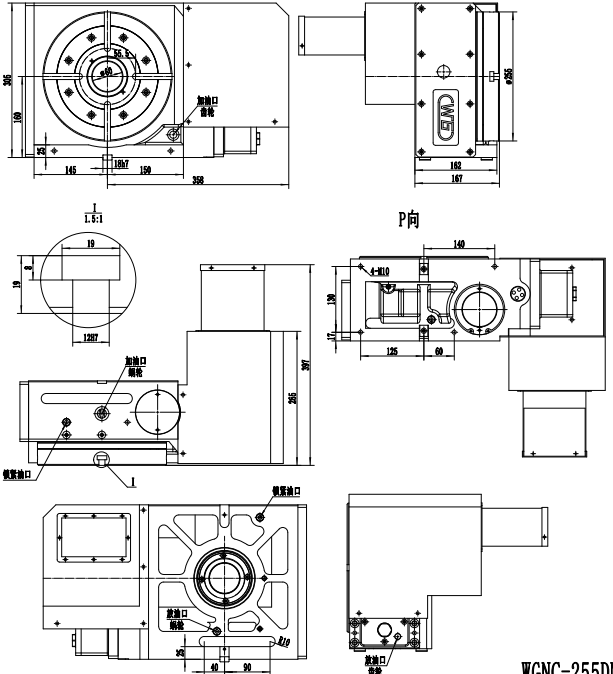
WGNC-320A/320DA

规格技术参数

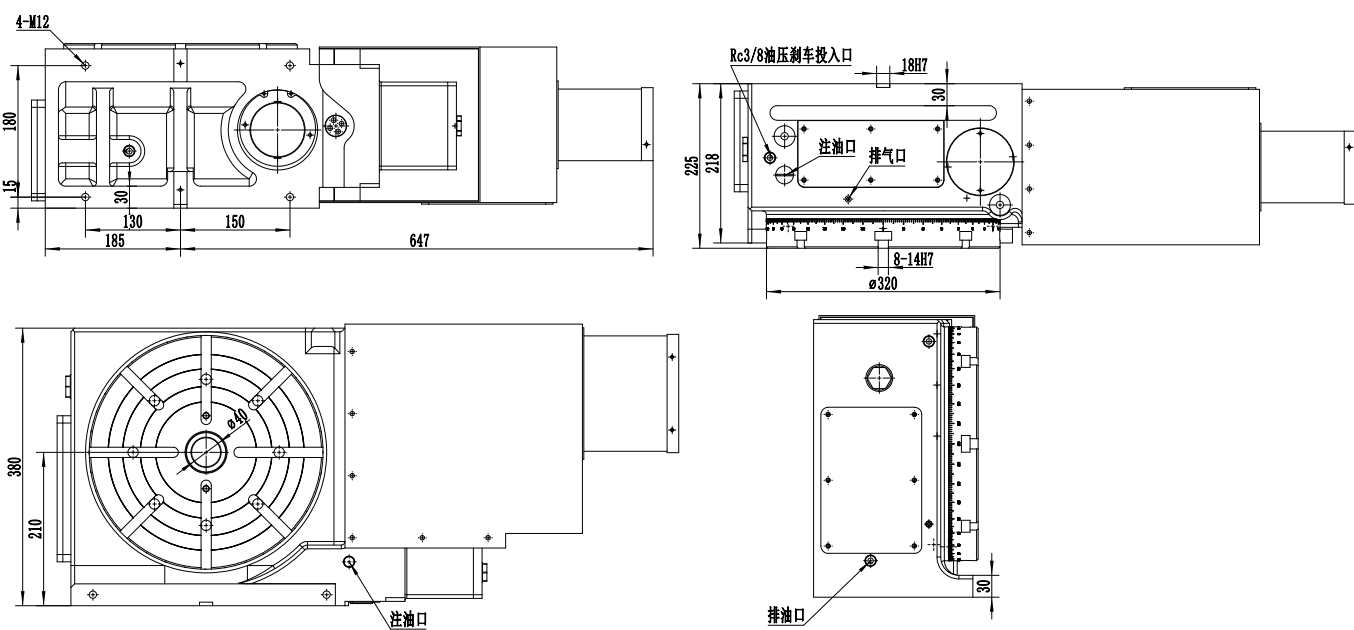
规格型号 Specification and model	WGNC-320A / 320DA	
整机重量(不含电机) Whole machine weight (excluding motor)	165kg	
允许切削扭力 Allow cutting torque	80kgf.m	
允许工件重量（工作台内均布） Allow workpiece weight	卧式	350kg
	使用尾座	350kg
	立式	150kg
最高转速 Maximum speed	11.1rpm/min	
传动比 gear ratio	180	
电机 electrical machinery	B22/HG204/根据用户系统	
使用压力：油压 Usage pressure: oil pressure	35kgf/cm²	
夹紧扭力 Clamping torque	120kgf.m	
重复精度 Repetitive accuracy	6°	
分度精度 Indexing accuracyy	15°	
最小设定单位 Minimum setting unit	0.001°	
底部定位键宽度 Bottom positioning key width	18H7	
工作台中心孔直径 Center hole diameter of workbench	Φ40 / Φ80	
T型槽尺寸 T-shaped slot size	14H7mm	
工作台直径 Workbench diameter	Φ320mm	
立式中心高度 Vertical center height	210mm	
卧式使用工作台高度 Horizontal workbench height	225mm	



WGNC-255N



WGNC-255DN



WGNC-320A / 320DA

四轴立卧两用 Dual use of standing and sleeping

FOUR-AXIS

WGNC系列series



WGNC-320DN-310

规格技术参数

规格型号 Specification and model	WGNC-320DN-310
整机重量(不含电机) Whole machine weight (excluding motor)	180kg
允许切削扭力 Allow cutting torque	80kgf.m
允许工件重量 (工作台内均布) Allow workpiece weight	使用尾座 350kg
	立式 150kg
最高转速 Maximum speed	11.1rpm/min
传动比 gear ratio	180
电机 electrical machinery	B22/HG204/根据用户系统
夹紧扭力 Clamping torque	120kgf.m
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²
重复精度 Repetitive accuracy	6"
分割精度 Segmentation accuracy	15"
最小设定单位 Minimum setting unit	0.001°
底部定位键宽度 Bottom positioning key width	18H7mm
工作台中心孔直径 Center hole diameter of workbench	Φ80mm
T型槽尺寸 T-shaped slot size	14H7mm
工作台直径 Workbench diameter	Φ320mm
立式中心高度 Vertical center height	310mm

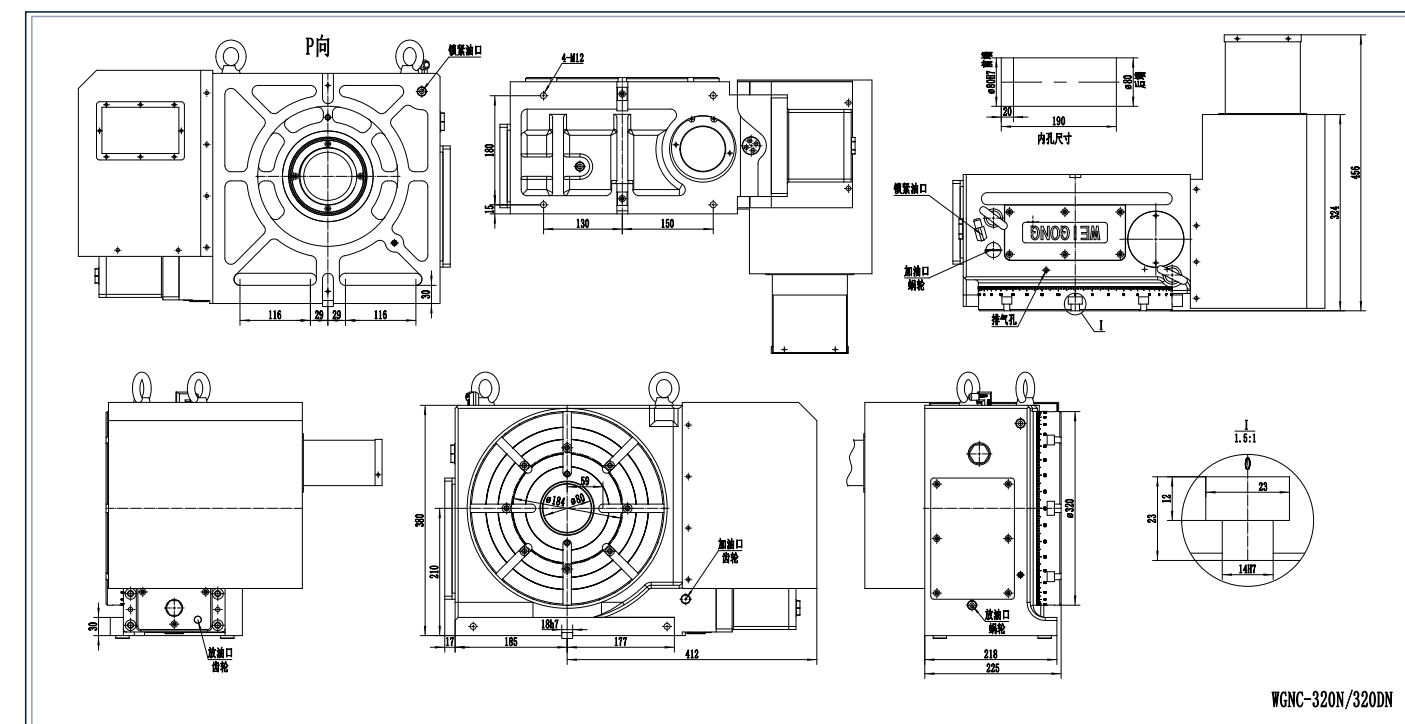
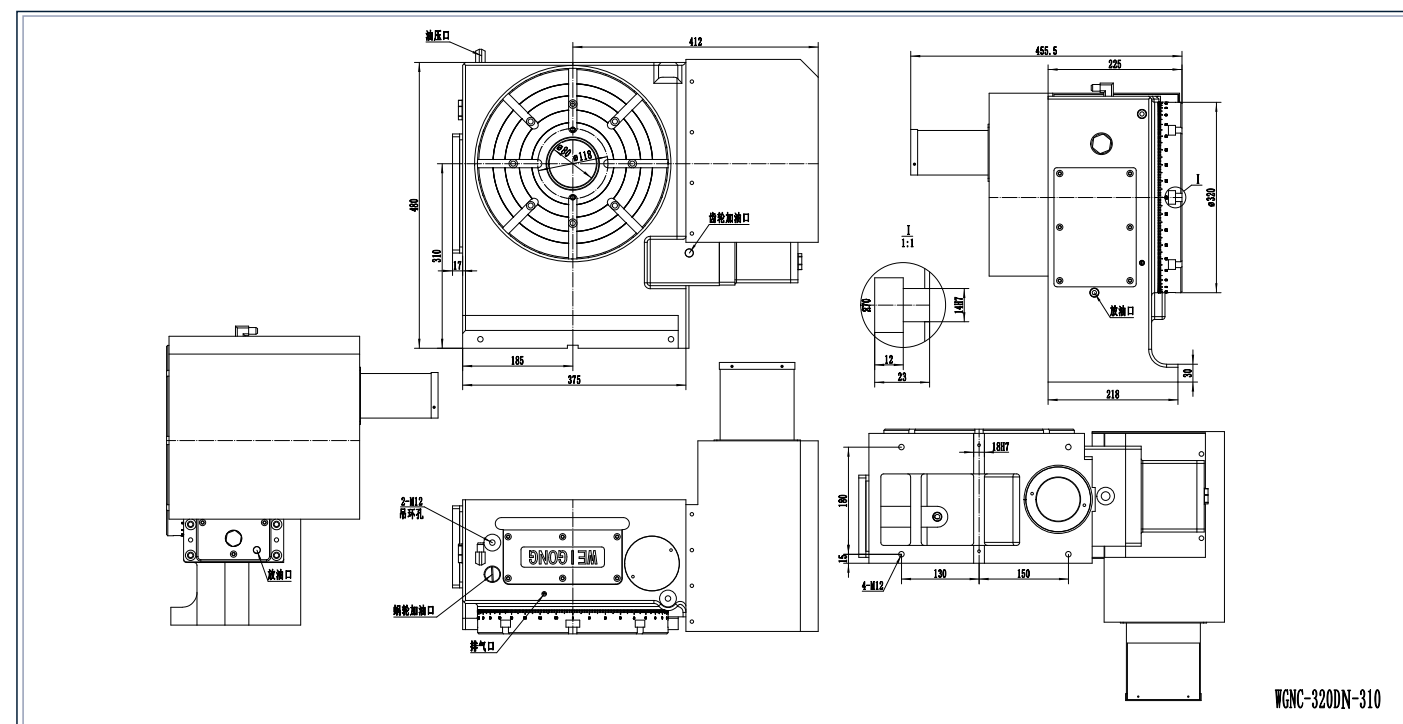
WGNC系列series



WGNC-320N/320DN

规格技术参数

规格型号	WGNC-320DA/320DN
整机重量(不含电机) Whole machine weight (excluding motor)	165kg
允许切削扭力 Allow cutting torque	80kgf.m
允许工件重量 (工作台内均布) Allow workpiece weight	卧式 350kg
	使用尾座 350kg
	立式 150kg
最高转速 Maximum speed	11.1rpm/min
传动比 gear ratio	180
电机 electrical machinery	B22/HG204/根据用户系统
使用压力: 油压 Usage pressure: oil pressure	35kgf/cm ²
夹紧扭力 Clamping torque	120kgf.m
重复精度 Repetitive accuracy	6
分度精度 Indexing accuracyy	15
最小设定单位 Minimum setting unit	0.001°
底部定位键宽度 Bottom positioning key width	18H7
工作台中心孔直径 Center hole diameter of workbench	Φ80
T型槽尺寸 T-shaped slot size	14H7mm
工作台直径 Workbench diameter	Φ320mm
立式中心高度 Vertical center height	210mm
卧式高度mm	225mm



四轴

立卧两用 Dual use of standing and sleeping

FOUR-AXIS



WGNC系列series



WGNC-400A/400DA

规格技术参数

规格型号 Specification and model	WGNC-400A/400DA			
旋转直径 Rotating diameter	Φ400mm			
工作台高度 Workbench height	255mm			
贯穿孔径 Penetrating aperture	Φ51mm / Φ80mm			
工作台T型槽宽度 Workbench T-shaped slot width	14mm			
基准定位块宽度 Width of benchmark positioning block	18mm			
蜗轮齿数 Number of worm gear teeth	72			
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)	FANUC		MITSUBISHI	
	β iS22	α iF12	HA 100	HG204
总减速比 total reduction ratio	1/180			
最小设定单位 Minimum setting unit	0.001°			
最高回转数 Maximum number of rotations	11.1.r.p.m(马达2000r.p.m)			
锁紧装置油压使用压力 Locking device oil pressure usage pressure	油压35kg/cm			
夹紧扭矩 Clamping torque	90kg-m(油压35kg/cm)			
分度精度 Indexing accuracy	15°			
重复精度 Repetitive accuracy	6"			
容许工作物荷载 Allowable work load	卧式使用	500kg		
	立式使用	200kg		
	使用尾座	500kg		
容许工作惯量 Allowable working inertia	38.5kg-cm-sec ²			
容许切削扭矩 Allowable cutting torque	120kg-m			
容许承载工作物直径 Allowable diameter for carrying the workpiece	Φ400m			
重量(不含马达) Weight (excluding motor)	262kg			

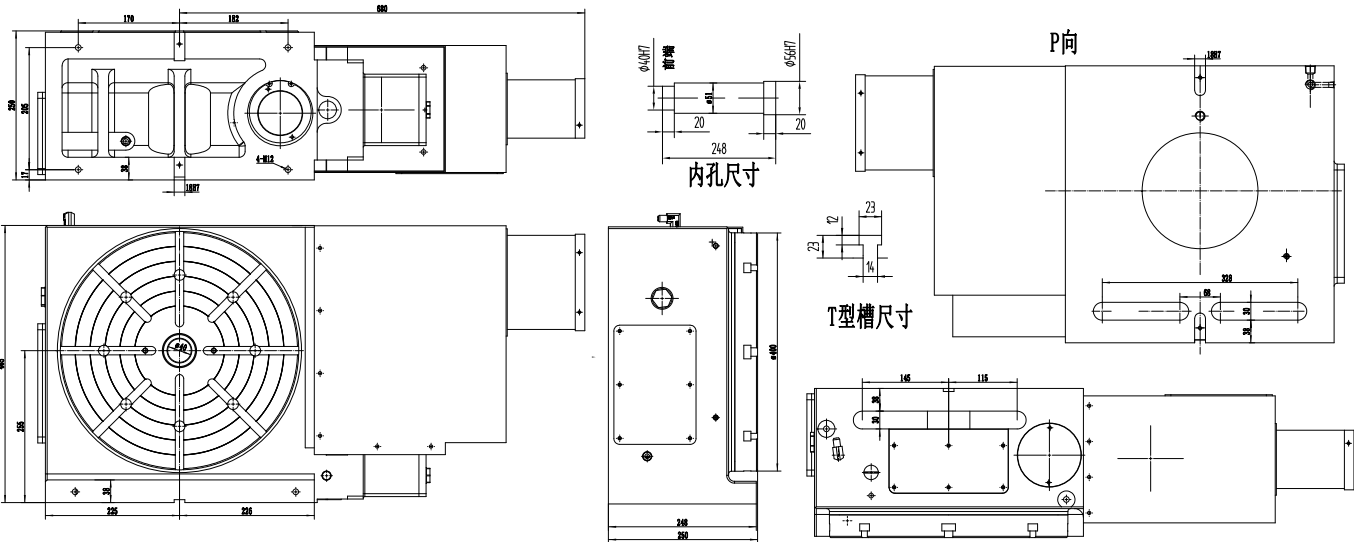
WGNC系列series



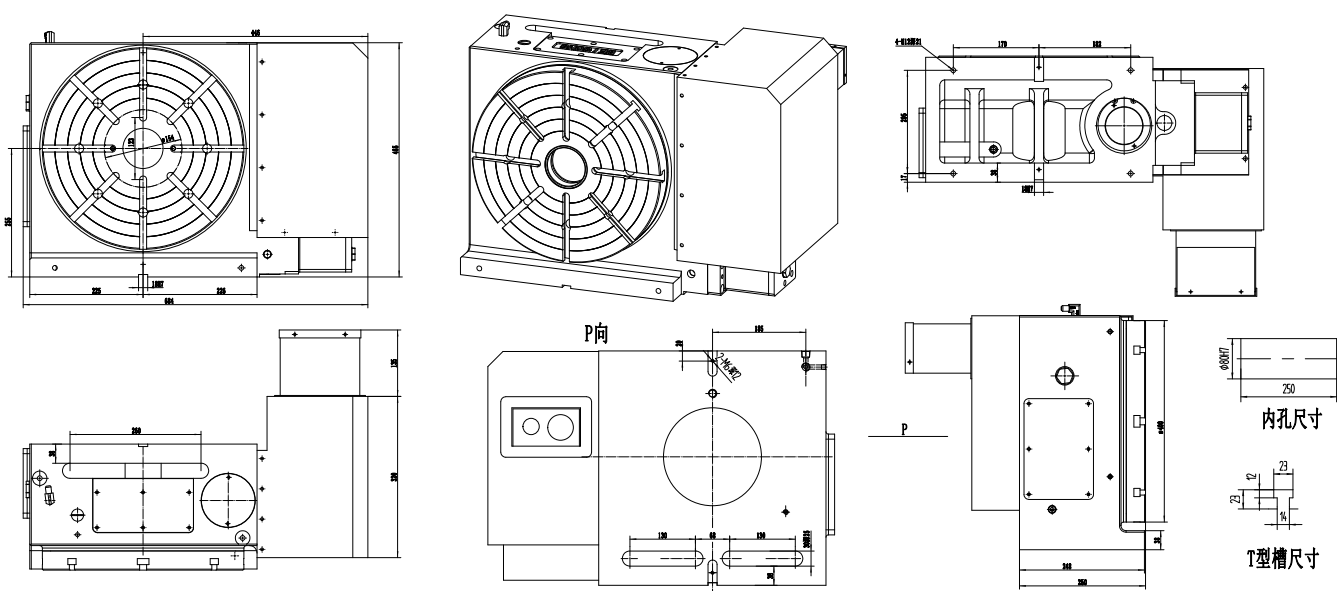
WGNC-400N/400DN

规格技术参数

规格型号 Specification and model	WGNC-400N/400DN			
旋转直径 Rotating diameter	Φ400mm			
中心高 center height	255mm			
贯穿孔径 Penetrating aperture	Φ51mm/Φ80mm			
工作台T型槽宽度 Workbench T-shaped slot width	14mm			
基准定位块宽度 Width of benchmark positioning block	18mm			
蜗轮齿数 Number of worm gear teeth	72			
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)	FANUC	MITSUBISHI		
	β iS22	α iF12	HA 100	HG204
总减速比 total reduction ratio	1/180			
最小设定单位 Minimum setting unit	0.001°			
最高回转数 Maximum number of rotations	11.1.r.p.m(马达2000r.p.m)			
锁紧装置油压使用压力 Locking device oil pressure usage pressure	油压35kg/cm			
夹紧扭矩 Clamping torque	90kg-m(油压35kg/cm)			
分度精度 Indexing accuracy	15°			
重复精度 Repetitive accuracy	6°			
容许工作物荷载 Allowable work load	卧式使用	500kg		
	立式使用	200kg		
	使用尾座	500kg		
容许工作惯量 Allowable working inertia	38.5kg-cm-sec ²			
容许切削扭矩 Allowable cutting torque	120kg-m			
容许承载工作物直径 Allowable diameter for carrying the workpiece	Φ400m			
重量(不含马达) Weight (excluding motor)	262kg			



WGNC-400A/400DA



WGNC-400N/400DN

四轴

立卧两用 Dual use of standing and sleeping

FOUR-AXIS



WGNC系列series



WGNC-500A/500DA

规格技术参数

规格型号 Specification and model		WGNC-500A/500DA	
旋转直径 Rotating diameter		Φ500	
中心高 center height		250mm	
贯穿孔径 Penetrating aperture		Φ51mm/Φ80mm	
工作台T型槽宽度 Workbench T-shaped slot width		14mm	
基准定位块宽度 Width of benchmark positioning block		18mm	
蜗轮齿数 Number of worm gear teeth		72	
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)		FANUC	mitsubishi
		β iS22	α iF12 HA 100 HG204
总减速比 total reduction ratio		1/180	
最小设定单位 Minimum setting unit		0.001°	
最高回转数 Maximum number of rotations		11.1 r.p.m(马达2000r.p.m)	
锁紧装置油压使用压力 Locking device oil pressure usage pressure		油压35kg/cm²	
夹紧扭矩 Clamping torque		90kg-m(油压35kg/cm²)	
分度精度 Indexing accuracy		15"	
重复精度 Repetitive accuracy		6"	
容许工作物荷载 Allowable work load		卧式使用	500kg
		立式使用	200kg
		使用尾座	500kg
容许工作惯量 Allowable working inertia		38.5kg-cm-sec	
容许切削扭矩 Allowable cutting torque		120kg-m²	
容许承载工作物直径 Allowable diameter for carrying the workpiece		Φ500m	
重量(不含马达) Weight (excluding motor)		280kg	

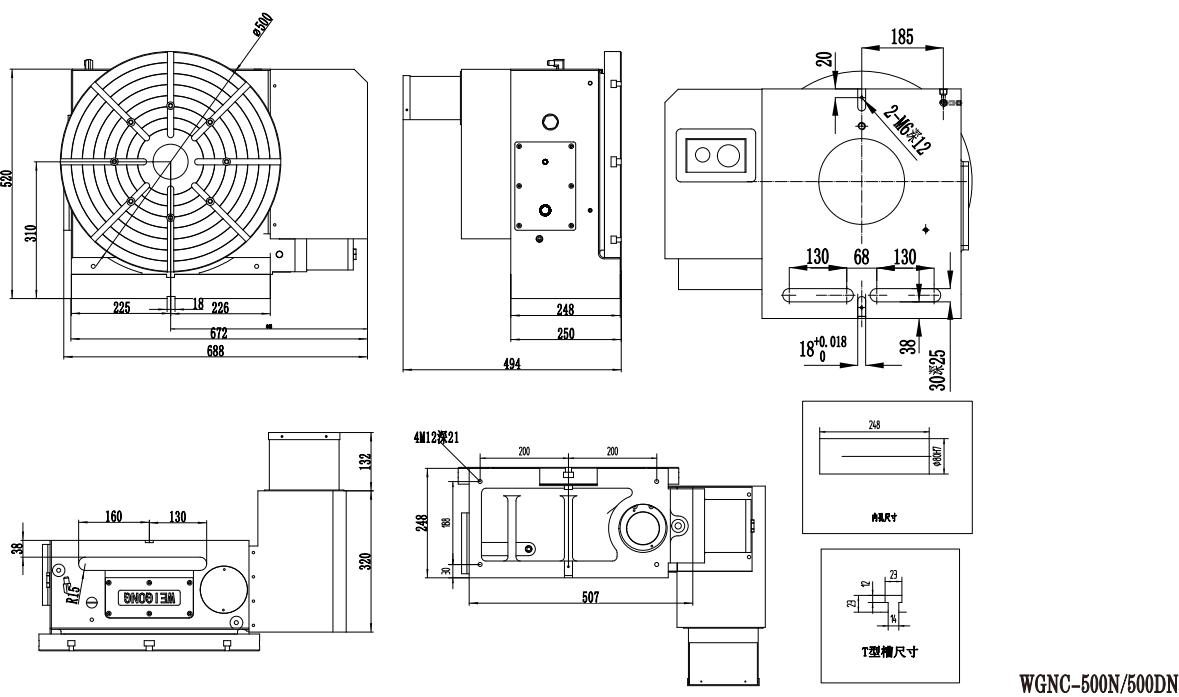
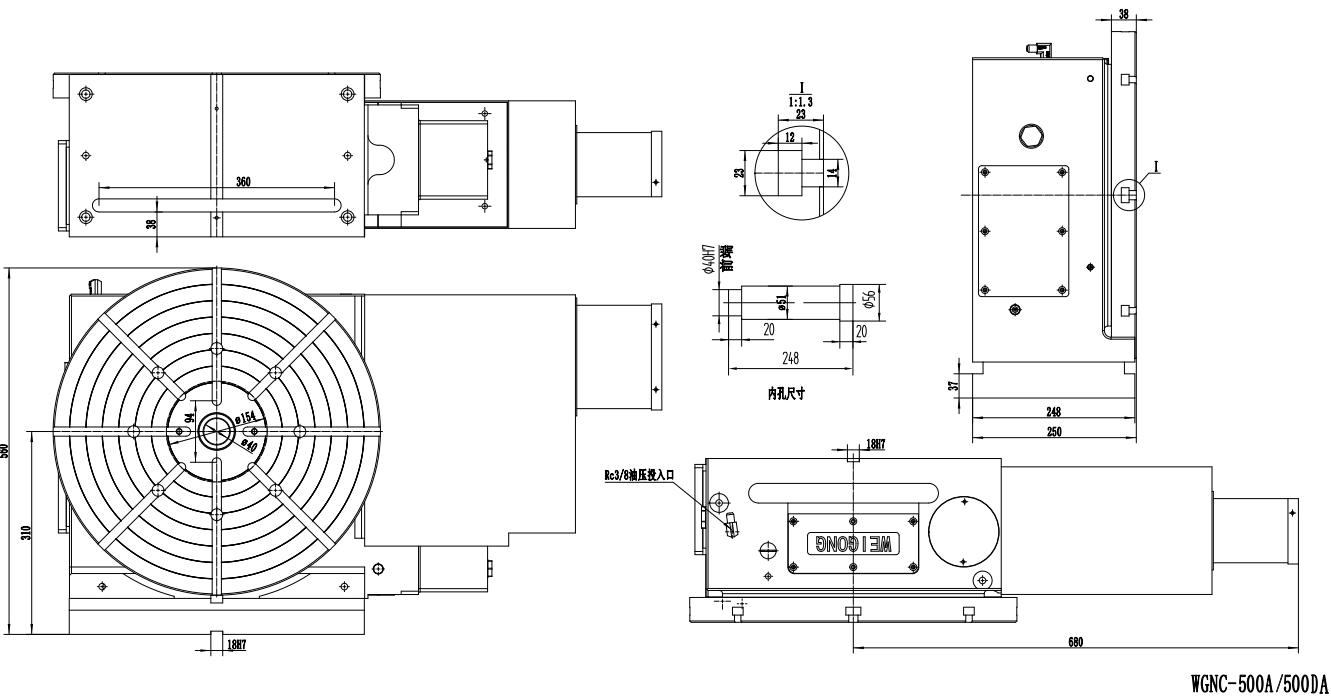
WGNC系列series



WGNC-500N/500DN

规格技术参数

规格型号 Specification and model		WGNC-500N/500DN	
旋转直径 Rotating diameter		Φ500mm	
中心高 center height		310mm	
贯穿孔径 Penetrating aperture		Φ51mm/Φ80mm	
工作台T型槽宽度 Workbench T-shaped slot width		14mm	
基准定位块宽度 Width of benchmark positioning block		18mm	
蜗轮齿数 Number of worm gear teeth		72	
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)		FANUC	mitsubishi
		β iS22	α iF12 HA 100 HG204
总减速比 total reduction ratio		1/180	
最小设定单位 Minimum setting unit		0.001°	
最高回转数 Maximum number of rotations		11.1 r.p.m(马达2000r.p.m)	
锁紧装置油压使用压力 Locking device oil pressure usage pressure		油压35kg/cm	
夹紧扭矩 Clamping torque		90kg-m(油压35kg/cm)	
分割精度 Segmentation accuracy		15"	
重复精度 Repetitive accuracy		6"	
容许工作物荷载 Allowable work load		立式使用	200kg
		使用尾座	500kg
容许工作惯量 Allowable working inertia		38.5kg-cm-sec²	
容许切削扭矩 Allowable cutting torque		120kg-m	
容许承载工作物直径 Allowable diameter for carrying the workpiece		Φ500m	
重量(不含马达) Weight (excluding motor)		280kg	

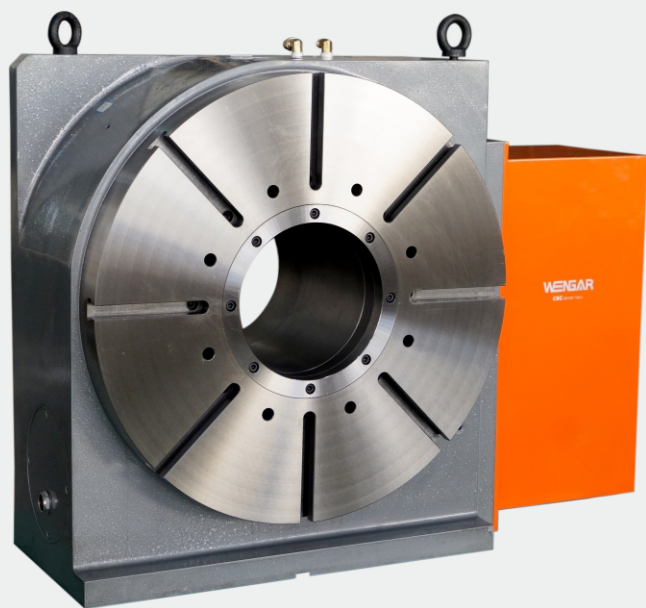


四轴

立卧两用 Dual use of standing and sleeping

FOUR-AXIS

WGNC系列series



WGNC-630DA/630DN

规格技术参数

规格型号 Specification and model	WGNC-630DA/630DN			
旋转直径 Rotating diameter	Φ630			
中心高 center height	400			
贯穿孔径 Penetrating aperture	Φ220mm			
工作台T型槽宽度 Workbench T-shaped slot width	18mm			
基准定位块宽度 Width of benchmark positioning block	22mm			
蜗轮齿数 Number of worm gear teeth	90			
伺服马达(可依据客户需求指定品牌) Servo motor (brand can be specified according to customer needs)	FANUC	MITSUBISHI		
	β iS22	α iF12	HA 100	HG204
总减速比 total reduction ratio	1/180			
最小设定单位 Minimum setting unit	0.001°			
最高回转数 Maximum number of rotations	11.1.r.p.m(马达2000r.p.m)			
锁紧装置油压使用压力 Locking device oil pressure usage pressure	油压35kg/cm ²			
夹紧扭矩 Clamping torque	180kg-m(油压35kg/cm ²)			
分度精度 Indexing accuracy	15°			
重复精度 Repetitive accuracy	6°			
容许工作物荷载 Allowable work load	卧式使用 1500kg			
	立式使用 800kg			
	使用尾座 1000kg			
容许工作惯量 Allowable working inertia	50kg-cm-sec ²			
容许切削扭矩 Allowable cutting torque	200kg-m			
容许承载工作物直径 Allowable diameter for carrying the workpiece	Φ630m			
重量(不含马达) Weight (excluding motor)	850kg			

五轴

FIVE -AXIS

GAR系列series

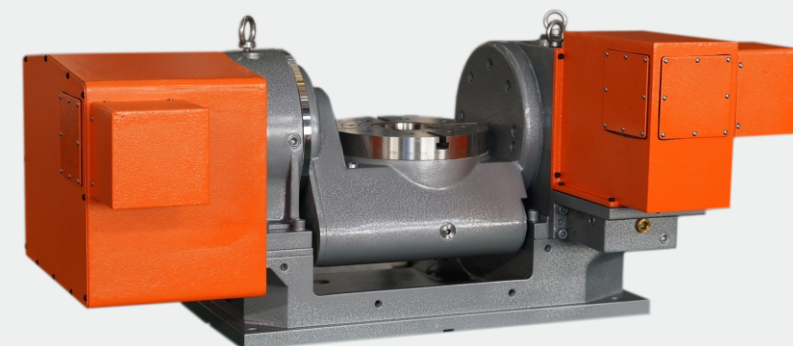
G A R - 2 5 5

表示盘面大小
Indicate the size of the disk

表示五轴
Representing five axes

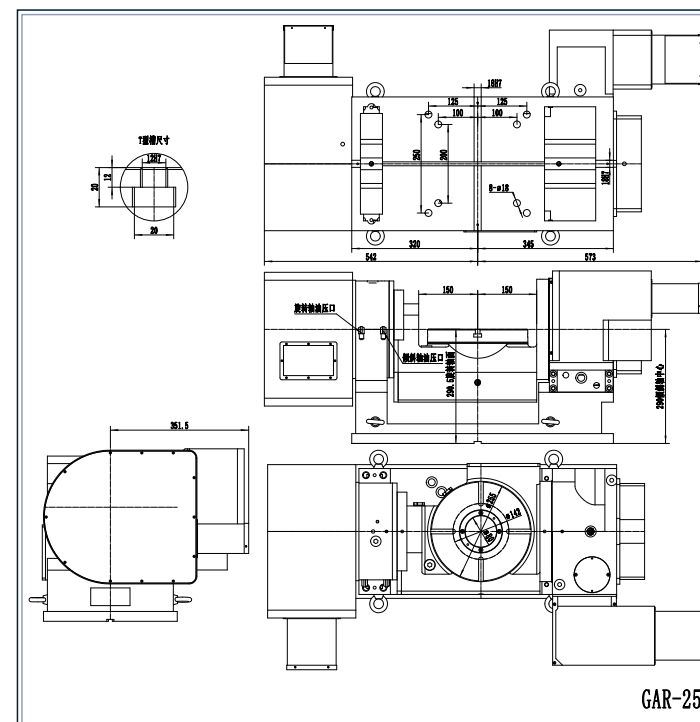
表示全新优化设计
Representing a brand new optimized design

表示蜗轮蜗杆传动
Indicating worm gear transmission



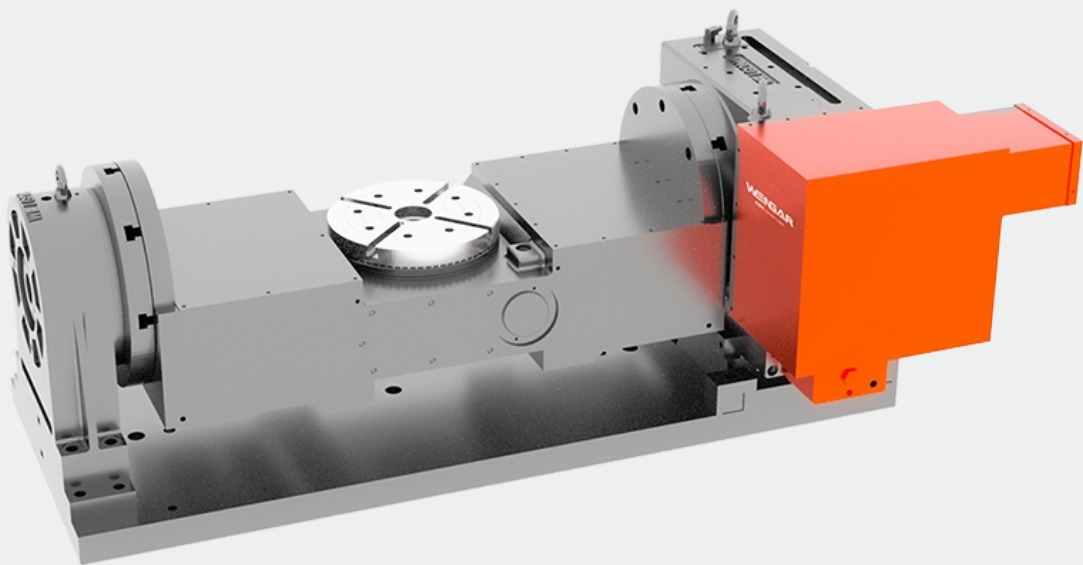
GAR-255

规格技术参数



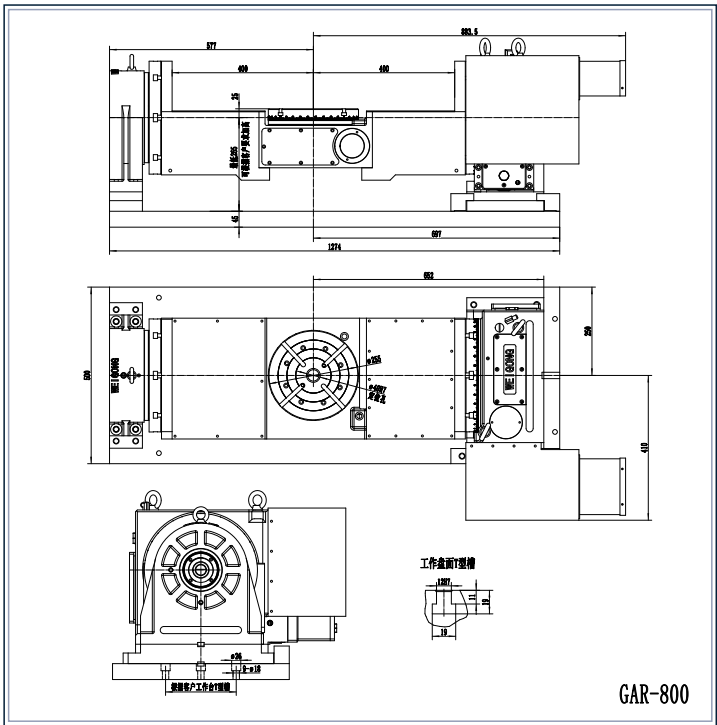
规格型号 Specification and model	GAR-255
最高转速 Maximum speed	33.3rpm/min
整机重量(不含电机) Whole machine weight (excluding motor)	295Kg
允许工件重量(垂直) Allow workpiece weight (vertical)	75kg
允许工件重量(水平) Allow workpiece weight (horizontal)	100kg
允许切削扭力 Allow cutting torque	55kgf.m
倾斜轴油压刹车扭力 Tilt axis hydraulic brake torque	140kgf.m
旋转轴油压刹车扭力 Rotating shaft hydraulic brake torque	70kgf.m
传动比 gear ratio	120
电机 electrical machinery	A轴: β 8/HG154S/根据用户系统
	C轴: β 8/HG104S/根据用户系统
传动方式 Transmission mode	蜗轮蜗杆 Worm gear
倾斜角度 Tilt angle	±110°
重复精度 Repetitive accuracy	7"
分度精度 Indexing accuracy	15"
最小设定单位 Minimum setting unit	0.001°
T型槽尺寸 T-shaped slot size	12H7mm
工作台直径 Workbench diameter	Φ255mm
加工直径 Processing diameter	300mm
中心高度 Height	290mm

GAR系列series



GAR-800 (大跨距)

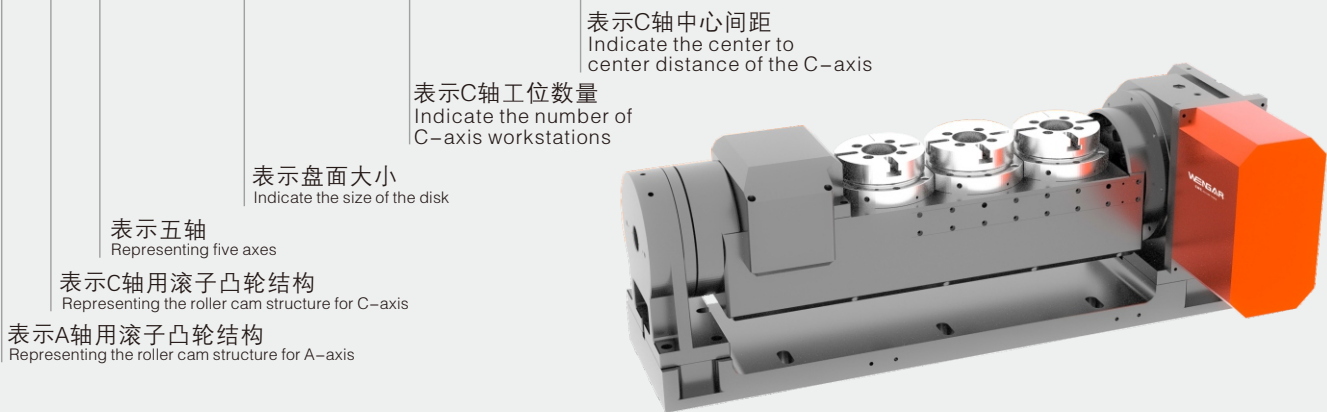
规格技术参数



规格型号 Specification and model	GAR-800			
整机重量(不含电机) Whole machine weight (excluding motor)	610kg			
最大旋转直径 Maximum rotation diameter	Φ800			
工作盘面直径 Working disk diameter	Φ255mm			
基准定位键 Reference positioning key	18H7mm			
最高转速 Maximum speed (马达2000rpm) (motor2000rpm)	转盘最高转速 Maximum speed of the turntable			
	旋转轴 rotation axis	11.1rpm	倾斜轴 tilt axis	16.6rpm
总减速比 total reduction ratio	旋转轴 rotation axis	1/180	倾斜轴 tilt axis	1/180
最小分割角度 Minimum segmentation angle	旋转轴 rotation axis	0.001°	倾斜轴 tilt axis	0.001°
倾斜轴倾斜角度范围 (水平时=0°) Tilt axis tilt angle range (0° when horizontal)	±110°			
分度精度Indexing accuracy	15"			
重复精度Repetitive accuracy	6"			
锁紧装置油压使用压力 Locking device oil pressure usage pressure	油压35Kg/cm ²			
锁紧扭力 Locking torque	F	1500kg		
	FXL	150(kgf·m)		
	FXL	70(kgf·m)		
容许载荷重量 Allowable load weight	0°	150kg		
	0° ~90°	100kg		
倾斜摆动扭力 Tilt swing torque	Wxl	10(kgf·m)		

TTR系列series

TTR-140-3R-150



表示C轴中心间距
Indicate the center to center distance of the C-axis

表示C轴工位数量
Indicate the number of C-axis workstations

表示盘面大小
Indicate the size of the disk

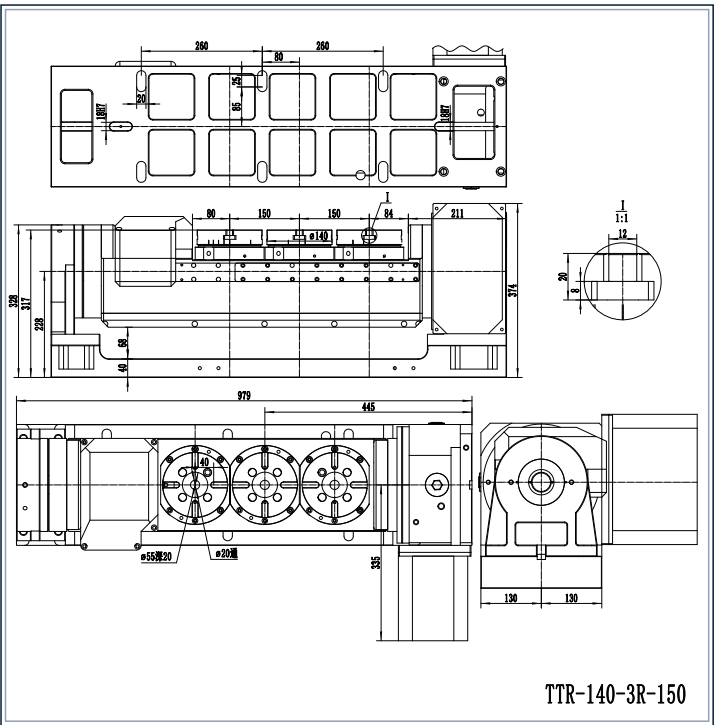
表示五轴
Representing five axes

表示C轴用滚子凸轮结构
Representing the roller cam structure for C-axis

表示A轴用滚子凸轮结构
Representing the roller cam structure for A-axis

TTR-140-3R-150

规格技术参数



规格型号 Specification and model	TTR-140-3R-150
整机重量(不含电机) Whole machine weight (excluding motor)	300Kg
允许工件重量(竖直) Allow workpiece weight (vertical)	20kg
允许工件重量(水平) Allow workpiece weight (horizontal)	40kg
允许切削扭力Allow cutting torque	18kgf·m
倾斜轴油压刹车扭力 Tilt axis hydraulic brake torque	18kgf·m
旋转轴油压刹车扭力 Rotating shaft hydraulic brake torque	18kgf·m
传动比 gear ratio	旋转轴rotation axis 81
	倾斜轴 tilt axis 60
电机 electrical machinery	A轴: β 8/HG104S/根据用户系统 C轴: β 8/HG104S/根据用户系统
传动方式 Transmission mode	滚子凸轮 roller cam
倾斜角度 Tilt angle	±120°
重复精度 Repetitive accuracy	7"
分度精度 Indexing accuracy	35"
最小设定单位 Minimum setting unit	0.001°
T型槽尺寸 T-shaped slot size	12H7mm
工作台直径 Workbench diameter	Φ140mm
加工直径Processing diameter	150mm
中心高度 Height	228mm

五轴
FIVE -AXIS

TTR系列series

TTR-210L

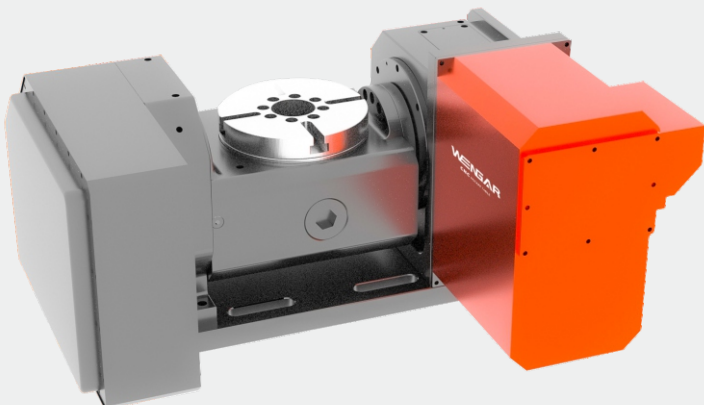
表示大跨距
Indicating a large span

表示盘面大小
Indicate the size of the disk

表示五轴
Representing five axes

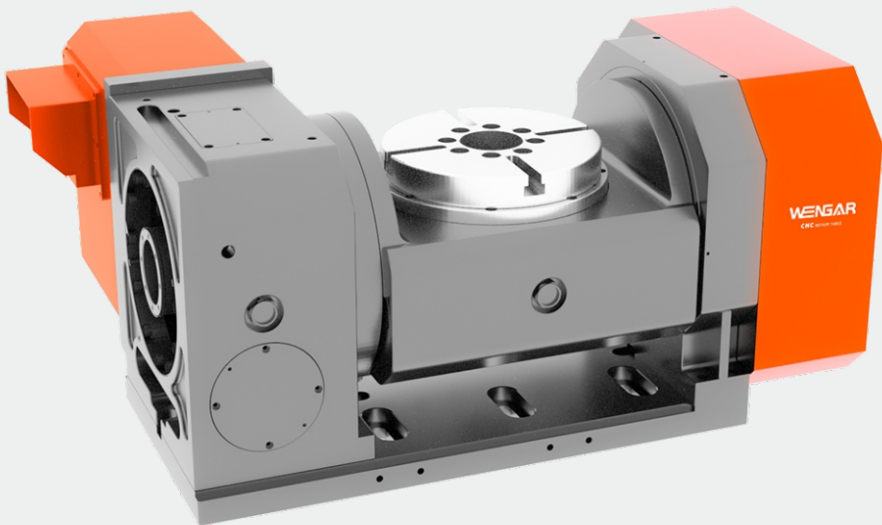
表示C轴用滚子凸轮结构
Representing the roller cam structure for C-axis

表示A轴用滚子凸轮结构
Representing the roller cam structure for A-axis



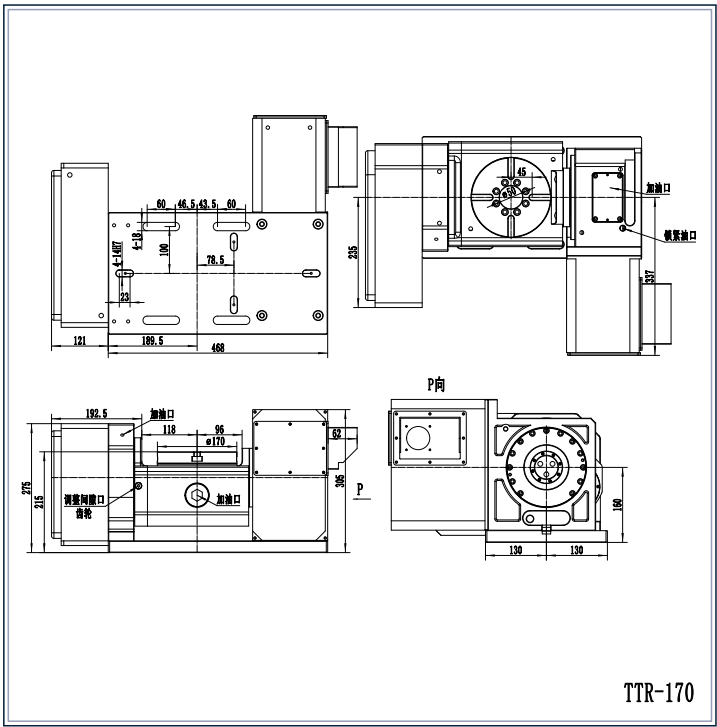
TTR-170

TTR系列series



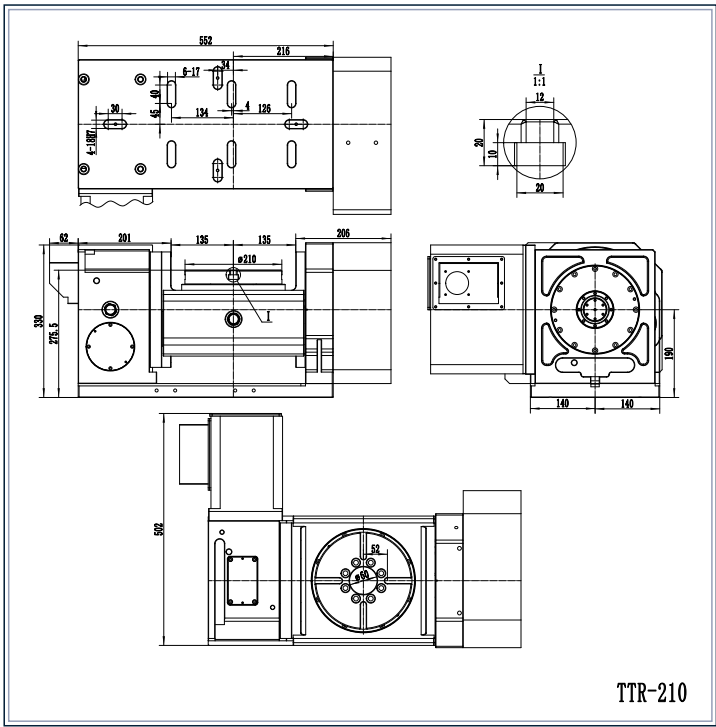
TTR-210

规格技术参数



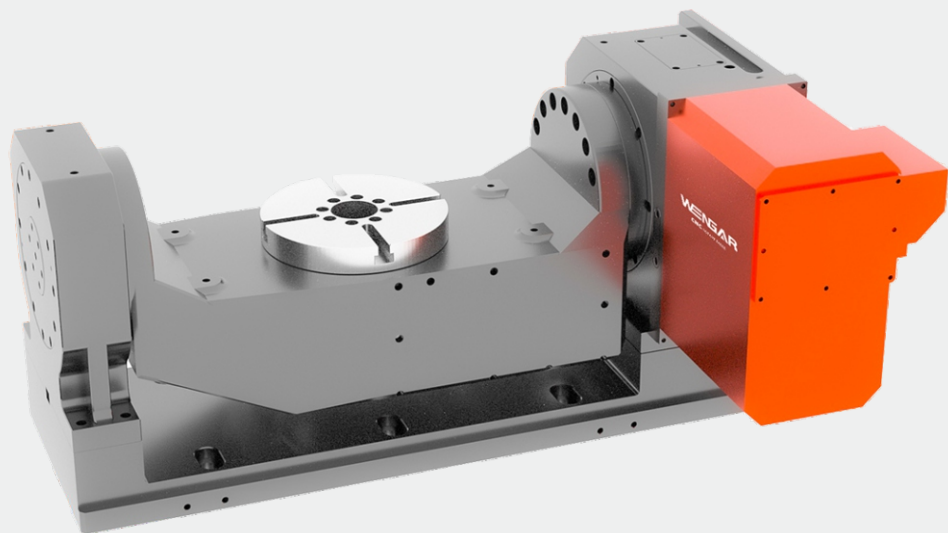
规格型号 Specification and model	TTR-170
整机重量(不含电机) Whole machine weight (excluding motor)	138Kg
允许工件重量(竖直) Allow workpiece weight (vertical)	35kg
允许工件重量(水平) Allow workpiece weight (horizontal)	50kg
允许切削扭力Allow cutting torque	16kgf.m
倾斜轴油压刹车扭力 Tilt axis hydraulic brake torque	30kgf.m
旋转轴油压刹车扭力 Rotating shaft hydraulic brake torque	30kgf.m
传动比 gear ratio	旋转轴rotation axis 40
	倾斜轴 tilt axis 45
电机 electrical machinery	A轴: $\beta 8$ /HG104S/根据用户系统
	C轴: $\beta 4$ /HG103S/根据用户系统
传动方式 Transmission mode	滚子凸轮 roller cam
倾斜角度 Tilt angle	$\pm 120^\circ$
重复精度 Repetitive accuracy	7"
分度精度 Indexing accuracyy	35"
最小设定单位 Minimum setting unit	0.001°
T型槽尺寸 T-shaped slot size	12H7mm
工作台直径 Workbench diameter	$\Phi 170$ mm
加工直径 Processing diameter	190mm
中心高度 Height	160mm

规格技术参数



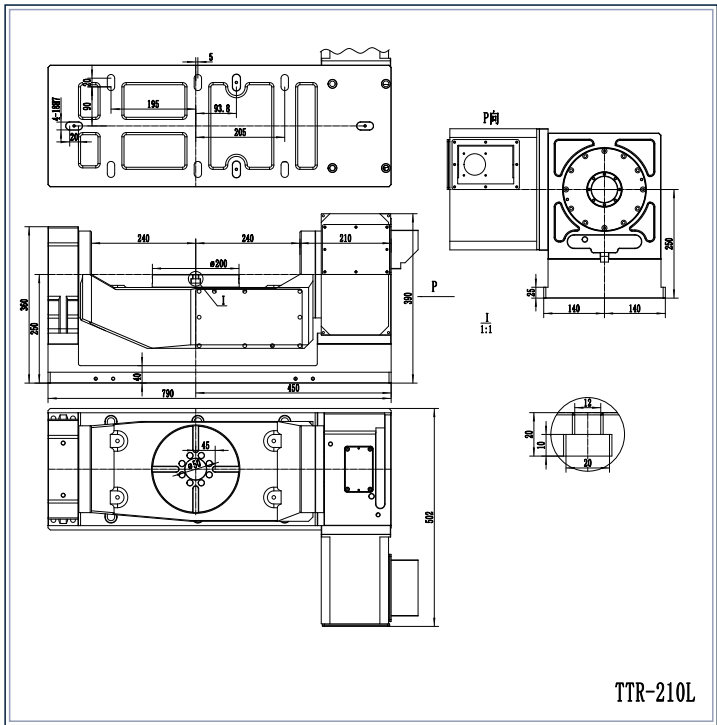
规格型号 Specification and model	TTR-210
整机重量(不含电机) Whole machine weight (excluding motor)	290Kg
允许工件重量(竖直) Allow workpiece weight (vertical)	60kg
允许工件重量(水平) Allow workpiece weight (horizontal)	75kg
允许切削扭力Allow cutting torque	20kgf.m
倾斜轴油压刹车扭力 Tilt axis hydraulic brake torque	35kgf.m
旋转轴油压刹车扭力 Rotating shaft hydraulic brake torque	30kgf.m
传动比 gear ratio	旋转轴rotation axis 40
	倾斜轴 tilt axis 60
电机 electrical machinery	A轴: $\beta 8$ /HG104S/根据用户系统
	C轴: $\beta 8$ /HG104S/根据用户系统
传动方式 Transmission mode	滚子凸轮 roller cam
倾斜角度 Tilt angle	$\pm 120^\circ$
重复精度 Repetitive accuracy	7"
分度精度 Indexing accuracyy	倾斜轴 tilt axis35° /旋转轴rotation axis 25°
最小设定单位 Minimum setting unit	0.001°
T型槽尺寸 T-shaped slot size	12H7mm
工作台直径 Workbench diameter	$\Phi 210$ mm
加工直径 Processing diameter	270mm
中心高度 Height	190mm

TTR系列series



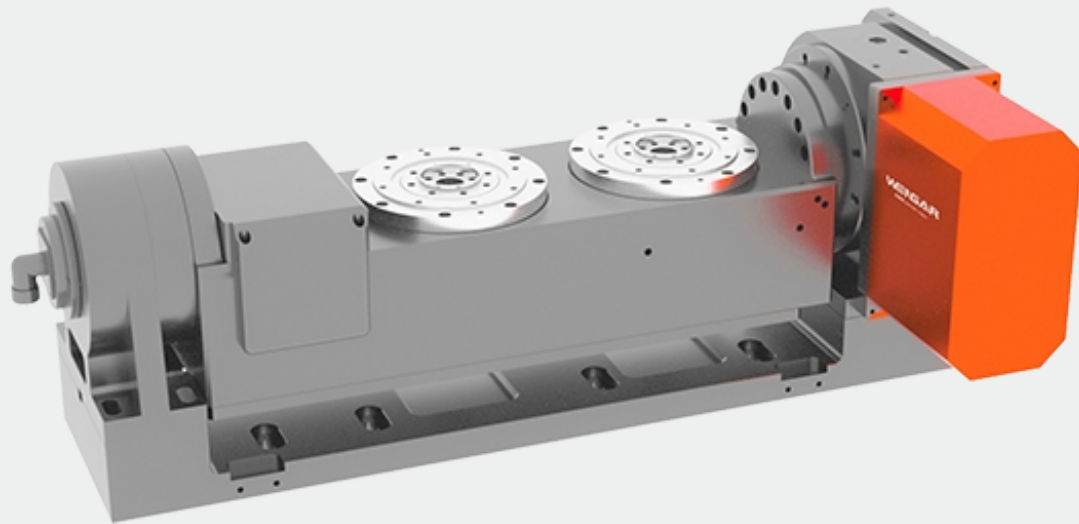
TTR-210L

规格技术参数



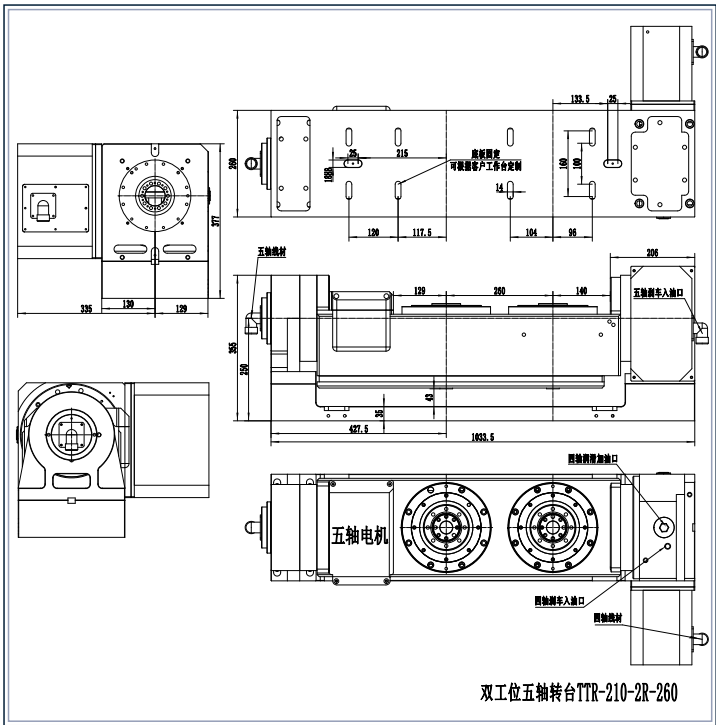
规格型号 Specification and model	TTR-210L
整机重量(不含电机) Whole machine weight (excluding motor)	290Kg
允许工件重量(竖直) Allow workpiece weight (vertical)	85kg
允许工件重量(水平) Allow workpiece weight (horizontal)	130kg
允许切削扭力 Allow cutting torque	30kgf.m
倾斜轴油压刹车扭力 Tilt axis hydraulic brake torque	100kgf.m
旋转轴油压刹车扭力 Rotating shaft hydraulic brake torque	50kgf.m
传动比 gear ratio	旋转轴 rotation axis 45 倾斜轴 tilt axis 60
电机 electrical machinery	A轴: $\beta 8$ /HG104S/根据用户系统 C轴: $\beta 8$ /HG104S/根据用户系统
传动方式 Transmission mode	滚子凸轮 roller cam
倾斜角度 Tilt angle	$\pm 120^\circ$
重复精度 Repetitive accuracy	7"
分度精度 Indexing accuracyy	倾斜轴 tilt axis 35" / 旋转轴 rotation axis 25"
最小设定单位 Minimum setting unit	0.001°
T型槽尺寸 T-shaped slot size	12H7
工作台直径 Workbench diameter	$\Phi 200$
加工直径 Processing diameter	480
中心高度 Height	250

TTR系列series



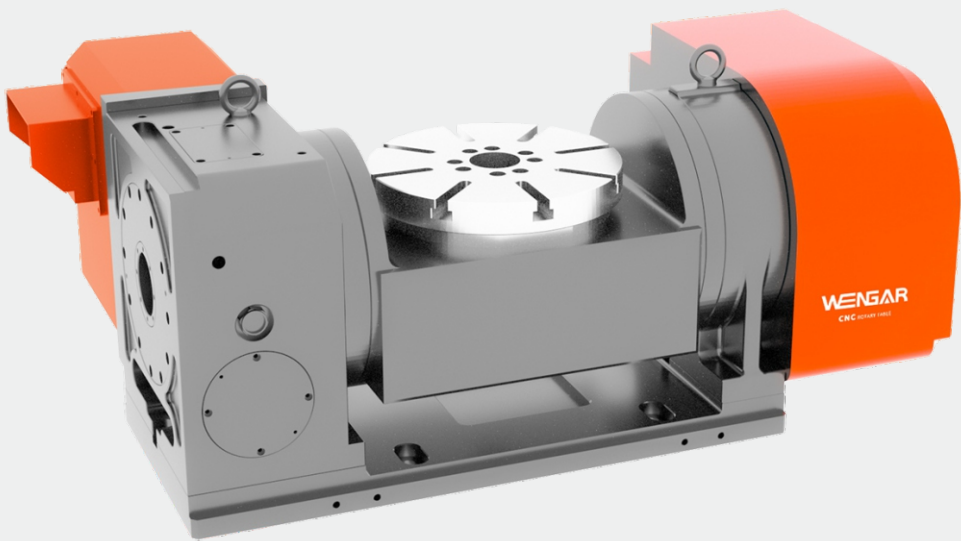
TTR-210-2R-260

规格技术参数



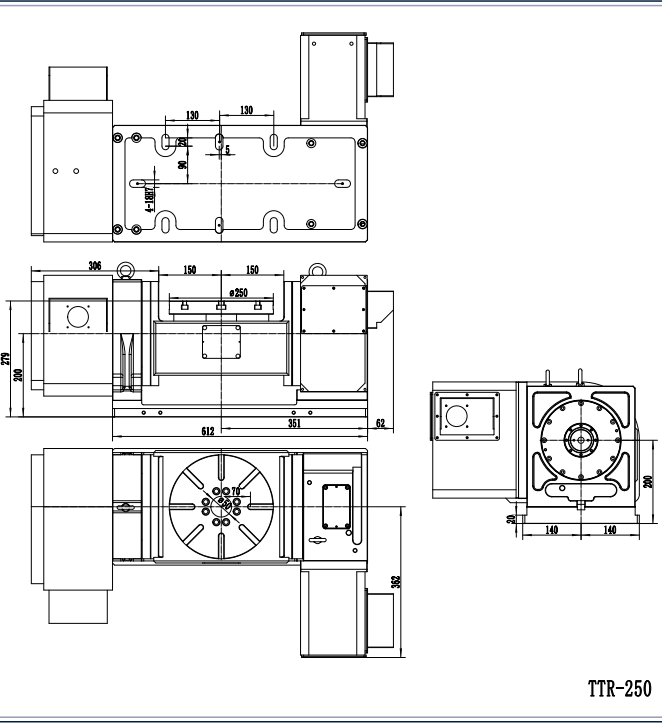
规格型号 Specification and model	TTR-210-2R-260
中心高度 Height	250mm
盘面直径 Disk diameter	$\Phi 210$ mm
盘面总高度 Total height of the panel	362mm
加工直径 Processing diameter	260mm
T型槽尺寸 T-shaped slot size	12mm
分度精度 Indexing accuracyy	35"
重复精度 Repetitive accuracy	$\pm 7"$
最小设定角度 Minimum set angle	0.001°
容许工作物荷载 Allowable work load	水平 level 50kg 倾斜 Tilt 35kg
容许切削扭矩 Allowable cutting torque	15kg.m 450kgf
容许负载 allowable load	L=100时 30kgf.m 29kgf.m
电机规格 Motor specifications	倾斜轴(Tilt axis): $\beta 8$ /HG104/SGM7J-09A 旋转轴(rotation axis): $\beta 8$ /HG104/SGM7J-09A
齿轮比数 Gear ratio	倾斜轴(Tilt axis) 1:60 旋转轴(rotation axis) 1:81
刹车方式 Braking method	旋转轴: 气刹/油刹 rotation axis: air brake/oil brake 倾斜轴: 气刹/油刹 Tilt axis: air brake/oil brake
传动方式 Transmission mode	滚子凸轮 roller cam
整机重量 Whole machine weight	380Kg

TTR系列series



TTR-250

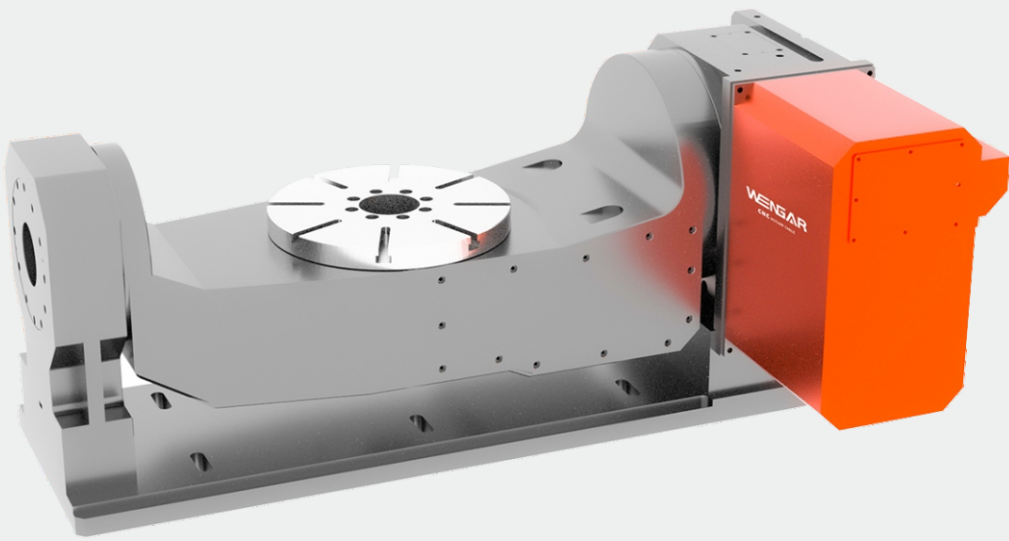
规格技术参数



TTR-250

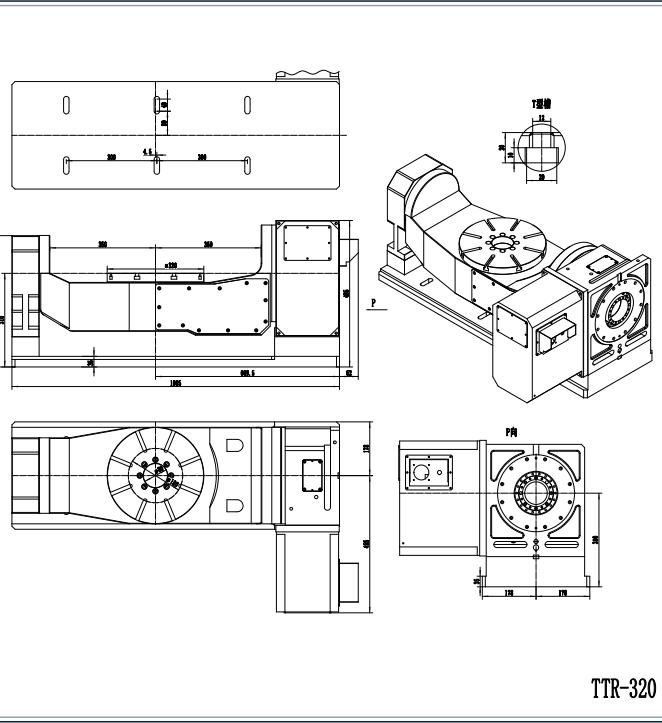
规格型号 Specification and model	TTR-250
整机重量(不含电机) Whole machine weight (excluding motor)	288Kg
允许工件重量(竖直) Allow workpiece weight (vertical)	70kg
允许工件重量(水平) Allow workpiece weight (horizontal)	90kg
允许切削扭力Allow cutting torque	46kgf.m
倾斜轴油压刹车扭力 Tilt axis hydraulic brake torque	120kgf.m
旋转轴油压刹车扭力 Rotating shaft hydraulic brake torque	60kgf.m
传动比 gear ratio	60
电机 electrical machinery	A轴: β 8/HG154S/根据用户系统
	C轴: β 8/HG104S/根据用户系统
传动方式 Transmission mode	滚子凸轮 roller cam
倾斜角度 Tilt angle	$\pm 120^\circ$
重复精度 Repetitive accuracy	7"
分度精度 Indexing accuracy	35"
最小设定单位 Minimum setting unit	0.001°
T型槽尺寸 T-shaped slot size	12H7
工作台直径 Workbench diameter	$\Phi 250$
加工直径 Processing diameter	300
中心高度 Height	200

TTR系列series



TTR-320

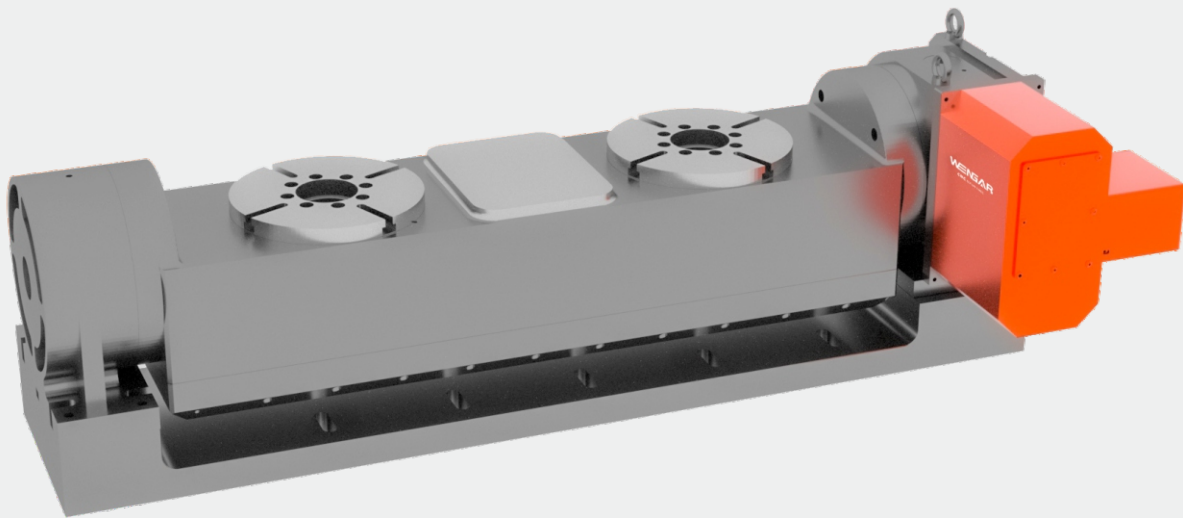
规格技术参数



TTR-320

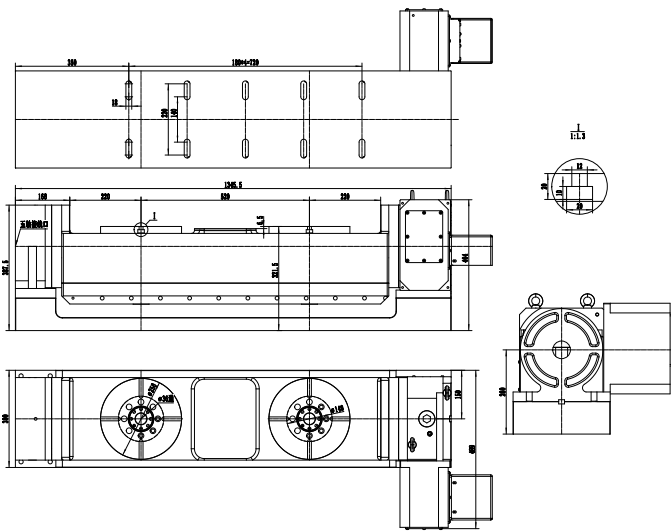
规格型号 Specification and model	TTR-320
整机重量(不含电机) Whole machine weight (excluding motor)	720Kg
允许工件重量(竖直) Allow workpiece weight (vertical)	140kg
允许工件重量(水平) Allow workpiece weight (horizontal)	240kg
允许切削扭力Allow cutting torque	80kgf.m
倾斜轴油压刹车扭力 Tilt axis hydraulic brake torque	160kgf.m
旋转轴油压刹车扭力 Rotating shaft hydraulic brake torque	100kgf.m
传动比 gear ratio	60
电机 electrical machinery	A轴: β 12/HG154S/根据用户系统
	C轴: β 8/HG154S/根据用户系统
传动方式 Transmission mode	滚子凸轮 roller cam
倾斜角度 Tilt angle	$\pm 120^\circ$
重复精度 Repetitive accuracy	倾斜轴4 / 旋转轴6 tilt axis4/rotation axis6
分度精度 Indexing accuracy	35
最小设定单位 Minimum setting unit	0.001°
T型槽尺寸 T-shaped slot size	12H7
工作台直径 Workbench diameter	$\Phi 320$
加工直径 Processing diameter	700
中心高度 Height	310

TTR系列series



TTR-250-2R-520

规格技术参数



TTR-250-2R-520

规格型号 Specification and model	TTR-250-2R-520	
中心高度 Height	260	
工作台直径 Workbench diameter	Φ250	
总高度 Total height	404mm	
加工直径 Processing diameter	420	
T型槽尺寸 T-shaped slot size	4X12	
分度精度 Indexing accuracy	35°	
重复精度 Repetitive accuracy	± 7"	
最小设定角度 Minimum set angle	0.001	
容许工件载荷 Allowable workpiece load	水平 level	70kg
	垂直 vertical	50kg
容许切削扭矩 Allowable cutting torque	45kg.m	
容许负载 allowable load	F 1200kgf	
	FXL=100时 100kgf	
倾斜轴电机 Tilt axis motor	b8/HF154S/AM11	
	旋转轴电机 Rotating shaft motor	
传动比 gear ratio	倾斜轴 tilt axis: 1:60	
	旋转轴 rotation axis: 1:121	
刹车方式 Braking method	倾斜轴: 油刹 Tilt axis: oil brake	
	旋转轴: 气刹/油刹 Rotating axis: air brake/oil brake	
传动方式 Transmission mode	滚子凸轮+减速机 Roller cam+reducer	
整机重量 Whole machine weight	520kg	

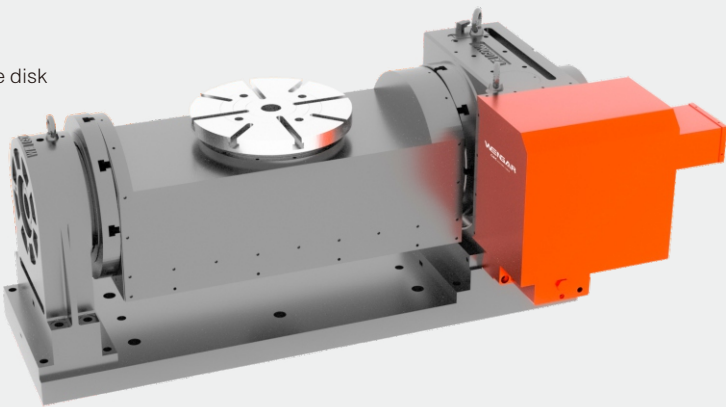
WGTR 五轴

WGTR-320

表示五轴
Representing five axes

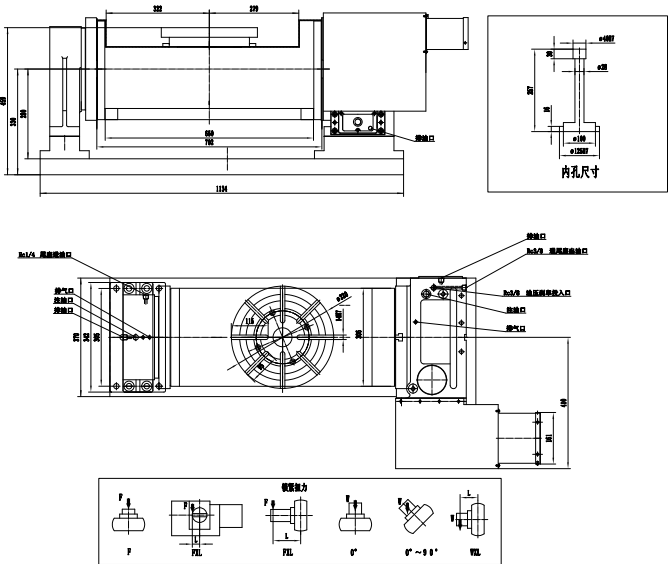
表示盘面大小
Indicate the size of the disk

表示蜗轮蜗杆传动
Indicating worm gear transmission



WGTR-320

规格技术参数



WGTR-320

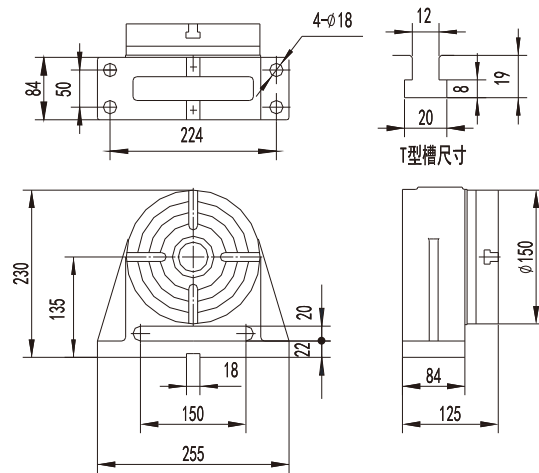
规格型号 Specification and model	WGTR-320			
整机重量 Whole machine weight	580kg			
最大旋转直径 Maximum rotation diameter	Φ555			
基准定位键 Reference positioning key	18H7mm			
最高转速 Maximum speed (马达2000rpm) (motor2000rpm)	转盘最高转速 Maximum speed of the turntable			
	旋转轴 rotation axis	22rpm	倾斜轴 tilt axis	11rpm
总减速比 total reduction ratio	旋转轴 rotation axis	1/90	倾斜轴 tilt axis	1/180
最小分割角度 Minimum segmentation angle	旋转轴 rotation axis	0.001°	倾斜轴 tilt axis	0.001°
倾斜轴倾斜角度范围 (水平时=0°) Tilt axis tilt angle range (0° when horizontal)	± 110°			
分度精度 Indexing accuracy	15°			
重复精度 Repetitive accuracy	6°			
锁紧装置油压使用压力 Locking device oil pressure usage pressure	油压 35Kg/cm²			
	F	600kg		
锁紧扭力 Locking torque	FXL	48(kgf-m)		
	FXL	85(kgf-m)		
容许载荷重量 Allowable load weight	0°	150kg		
	0° ~90°	100kg		
倾斜摆动扭力 Tilt swing torque	WxI	10(kgf-m)		

刹车圆盘尾座系列

BRAKE DISC TAILSTOCK SERIES

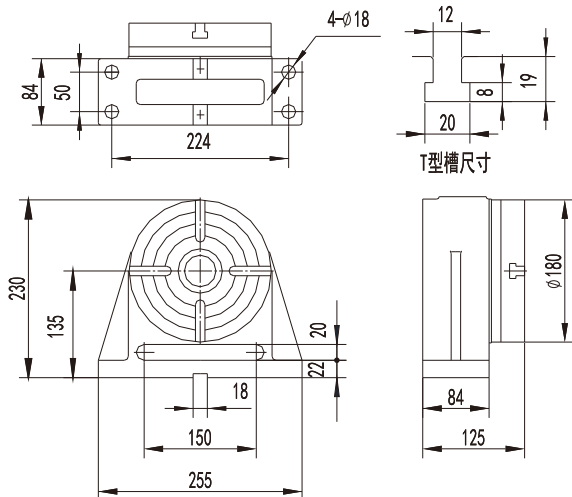
QTS-150

气压刹车圆盘尾座
Pneumatic brake disc tailstock



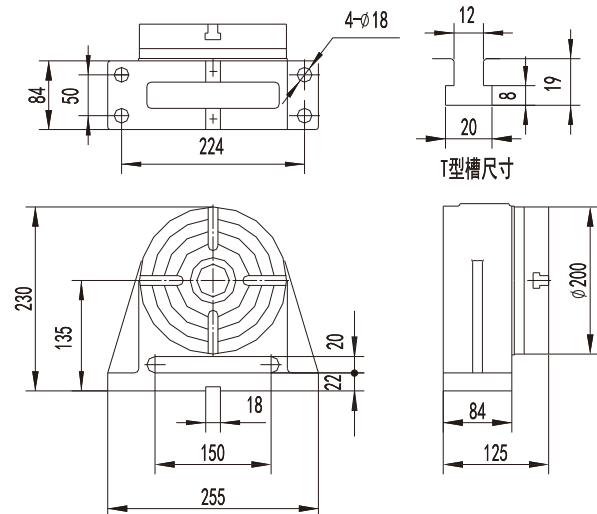
QTS-180

气压刹车圆盘尾座
Pneumatic brake disc tailstock



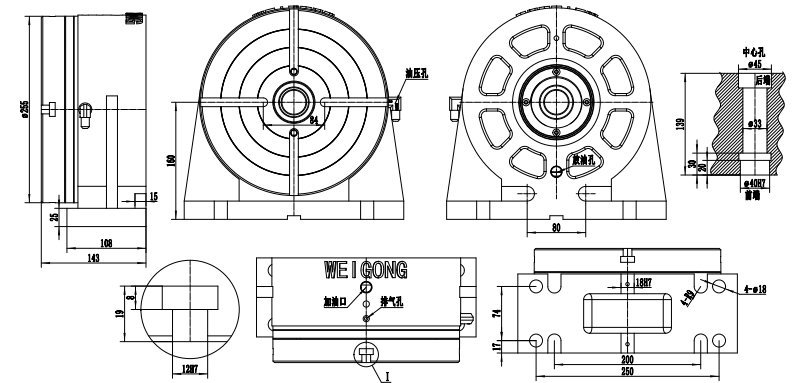
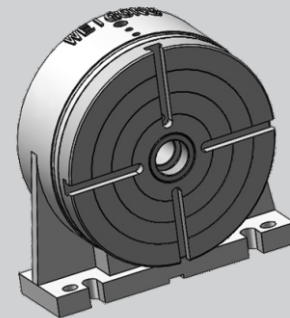
RTS-200

油压刹车圆盘尾座
Hydraulic brake disc tailstock



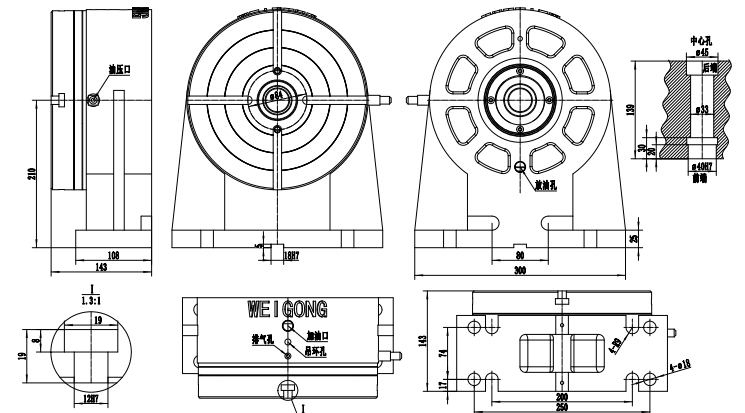
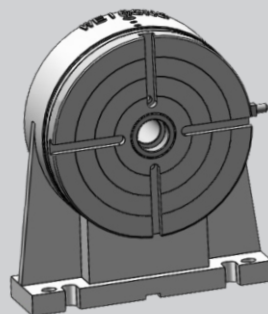
RTS-255

油压刹车圆盘尾座
Hydraulic brake disc tailstock



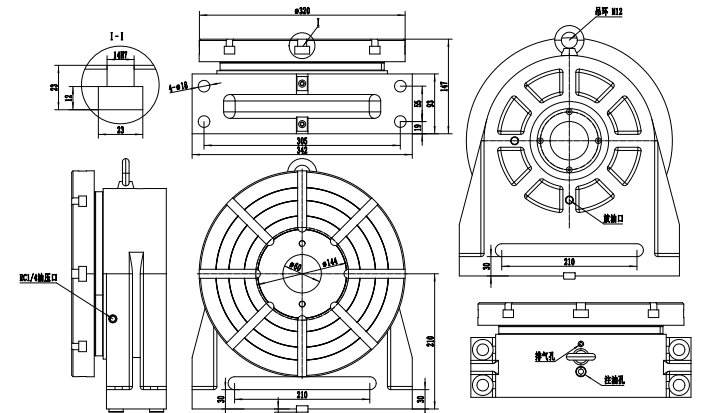
RTS-255-210

油压刹车圆盘尾座
Hydraulic brake disc tailstock



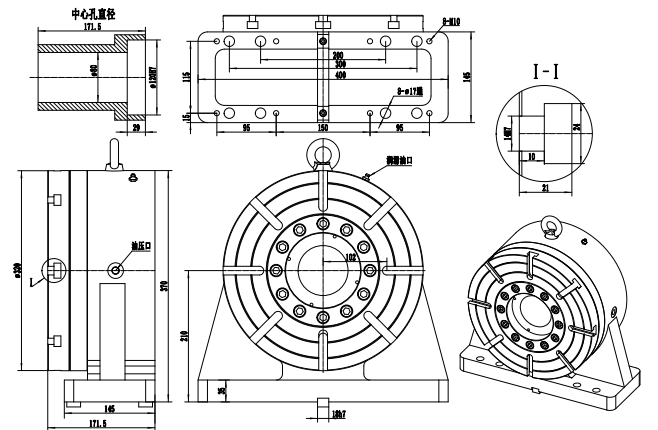
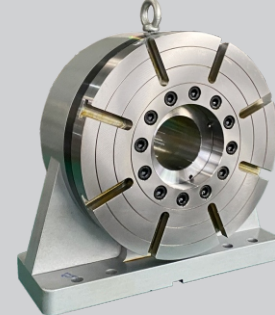
RTS-320

油压刹车圆盘尾座
Hydraulic brake disc tailstock



RTS-320D


油压刹车圆盘尾座
Hydraulic brake disc tailstock



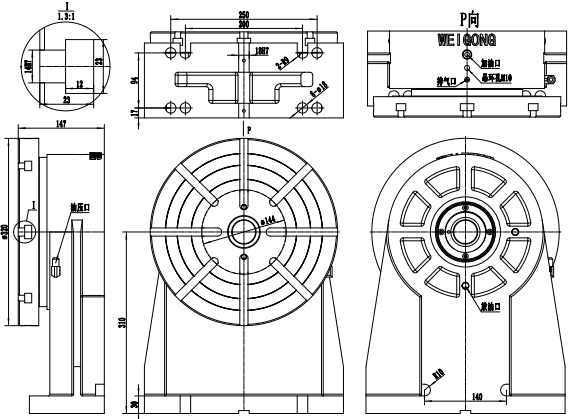
RTS-320-310

油压刹车圆盘尾座

Hydraulic brake disc tailstock



中心加高100




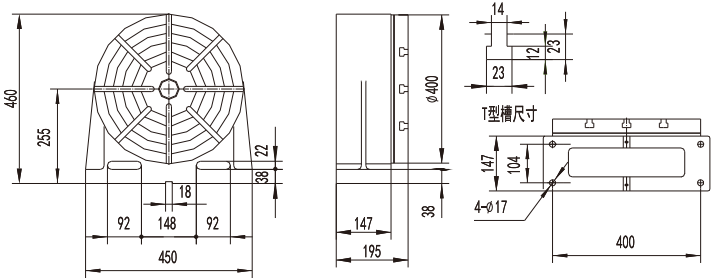
名称 name	参数 parameter
盘面直径 Disk diameter	Φ320
中心孔直径 Center hole diameter	Φ60
T型槽数量规格 Quantity and specification of T-shaped slots	8-14H8
中心高度 Height	310
贯穿直径 Penetrating diameter	Φ60

RTS-400

油压刹车圆盘尾座

Hydraulic brake disc tailstock

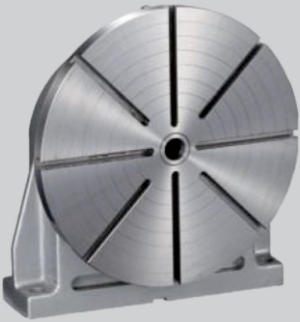


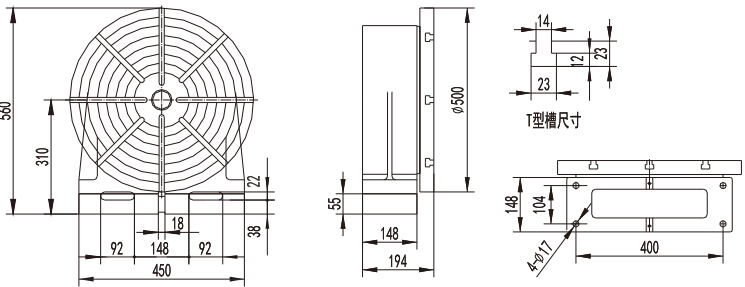


RTS-500

油压刹车圆盘尾座

Hydraulic brake disc tailstock

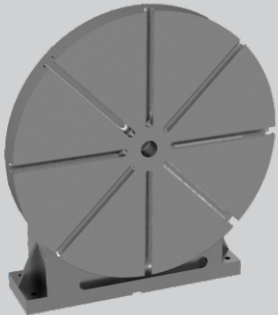


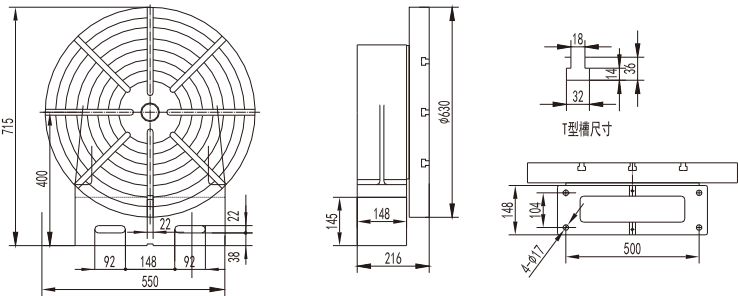


RTS-630

油压刹车圆盘尾座

Hydraulic brake disc tailstock



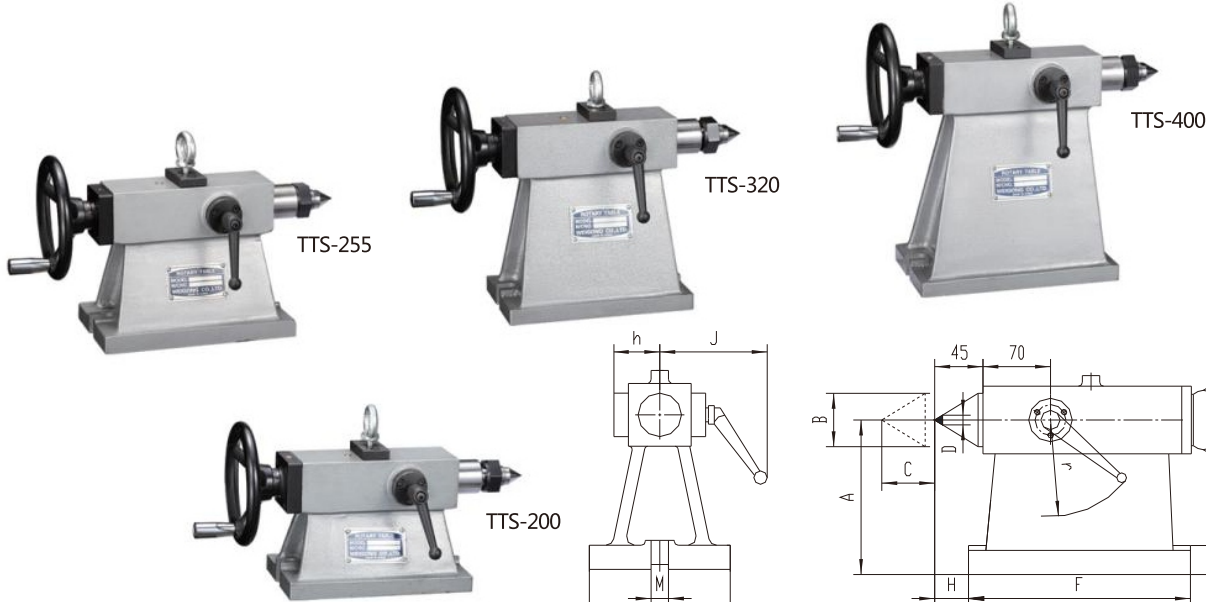
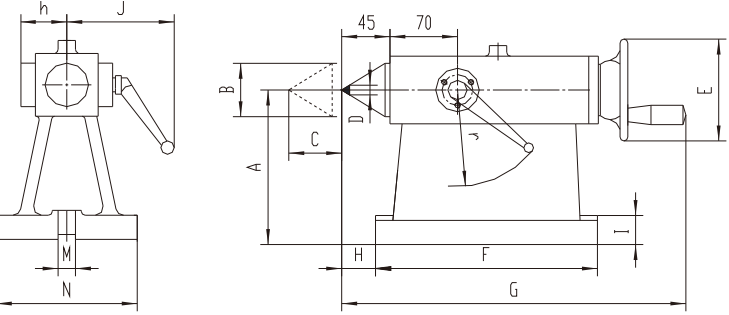


顶尖尾座系列 TOP TAIL SEAT SERIES

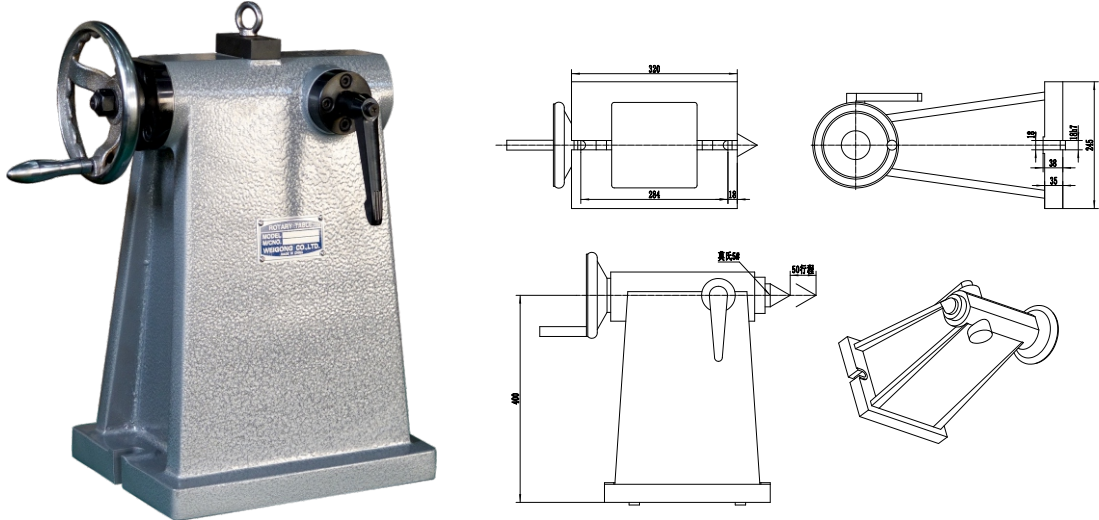
TTS系列series

手动顶尖尾座 | 标准配备可拆式莫氏3#顶尖

Manual top tailstock | Standard equipment: detachable Mohs 3 # top

TTS-630



主要尺寸 Dimensions	通用机型 Universal model	中心高 center height A	中心孔径 center bore B	行程 trip C	碳化钨针径 Tungsten carbide needle diameter D	手轴直径 E	底座尺寸 base size F x N	G	H	I	J	导轨宽 Rail width M	h	j	重量 (kg) weight
TTS-200	WGNC-200A / 200N	135	Φ45	50	Φ18	130	240 x 138	380	30	30	90	18	54	80	18
TTS-255	WGNC-255A / 255N / 255DA/255DN	160	Φ45	50	Φ18	130	240 x 146	380	30	30	90	18	54	80	20
TTS-320	WGNC-320A / 320N / 320DA/320DN	210	Φ45	50	Φ18	130	240 x 146	380	30	30	90	18	54	80	25
TTS-400	WGNC-400A / 400N / 400DA/400DN	255	Φ45	50	Φ18	130	260 x 160	380	30	30	90	18	54	80	30
TTS-630	WGNC- 630	400	Φ45	50	Φ18	160	320 x 245	480	38	38	100	18	80	100	60

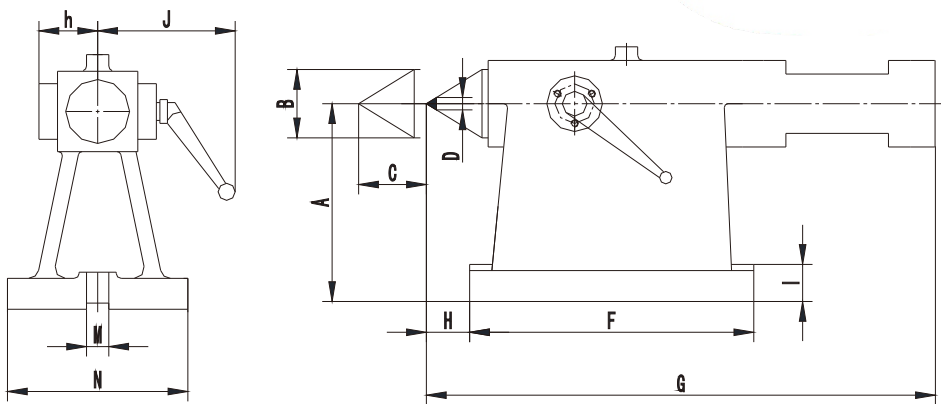
顶尖尾座系列

TOP TAIL SEAT SERIES

HTTS系列series

油压顶尖尾座 | 标准配备可拆式莫氏3#顶尖

Oil pressure top tailstock | Standard equipment: detachable Mohs 3 # top



主要尺寸 Dimensions	通用机型 Universal model	中心高 center height A	中心孔径 center bore B	行程 trip C	碳化钨针径 tungsten carbide needle diameter D	底座尺寸 base size F x N	G	H	I	J	导轨宽 Rail width M	h	j	重量 (kg) weight
HTTS-200	WGNC-200A / 200N	135	φ45	70	φ18	240 x 138	380	30	30	90	18	54	80	23
HTTS-255	WGNC-255A / 255N / 255DA/255DN	160	φ45	70	φ18	240 x 146	380	30	30	90	18	54	80	25
HTTS-320	WGNC-320A / 320N / 320DA/320DN	210	φ45	70	φ18	240 x 146	380	30	30	90	18	54	80	30
HTTS-400	WGNC-400A / 400N / 400DA/400DN	255	φ45	70	φ18	260 x 160	380	30	30	90	18	54	80	35

特别配件

SPECIAL ACCESSORIES

CNC电脑数控分度盘

CNC COMPUTER NUMERICAL CONTROL INDEXING DISC



AE-35B气/油压转换单元
AE-35B air/oil pressure conversion unit



油压分配器
Oil pressure distributor



三爪夹头
three-jaw chuck



气压套筒夹头
Pneumatic sleeve clamp



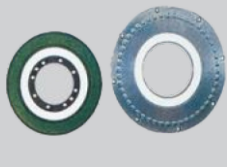
MITSUBISHI 伺服马达
MITSUBISHI Servo motor



FANUC 伺服马达
FANUC Servo motor



编码器
encoder



光学尺
encoder



连接板(法兰盘)
Connecting plate (flange)



治具用L型块
L-shaped block for fixtures



压板、螺栓及定位键(标准附件)
Pressure plate, bolt and positioning key (standard attachment)



HE-35油压单元
HE-35 hydraulic unit



中空液压卡盘
hollow hydraulic chuck



单轴控制器
Single axis controller



柜式节能液压站
Cabinet type energy-saving hydraulic station