

高速度
高精度
大扭矩

零传动
高承载
高可靠



**BGTK15系列
五轴可倾式直驱转台**

**BGTK15 Series
5-axis Tilting Direct Drive Rotary Table**

公司简介

Company profile



武汉贝格泰克数控直驱机械有限公司位于武汉经济技术开发区，是专业从事数控直驱产品、数控机床、机床功能部件研发生产、销售、服务的高新科技企业。

公司的主要产品为：高速高精数控直驱转台、直驱电主轴单元、高速数控车床用端面直驱顶尖、各类加工中心、数控车床、数控铣床等。

公司瞄准高速、高精、数控机床对直驱功能部件的迫切需求，以自主知识产权直驱技术研发为核心，融合机床制造技术进行集成创新，与优势配套加工制造企业紧密合作，通过专业化分工协作，形成技术创新，关键部件，集成制造、品质控制在内，通用制造在外，高起点，高要求，精益生产的组织模式，为数控机床的直驱化及更多产业机械取消传动机构，直接驱动提供了关键动力直驱单元部件。

贝格泰克坚持技术先导战略，“大”研发、“精”制造、“高”技术，“优”产品，致力于直驱技术的研发、推广及应用，将为数控机械的绿色、环保、节能、高效、高速、高精需求提供有力支撑，从而打造一流的贝格泰克品牌。

Wuhan Best Direct Drive Machinery Co., Ltd is located in Wuhan Economic & Technological Development Zone. Our company is a high-tech enterprise; specialize in Numerical control direct drive products, CNC machine, and the functional components of CNC machine which includes the research and development production, sales and service.

Our company aimed at the functional components with the direct drive of the urgent needs in the high speed, high precision, and CNC machine. With independent intellectual property rights of the direct-drive technology research and development as the core, the fusion machine tool manufacturing technology integration innovation, with the advantage of supporting manufacturing enterprises in close cooperation, through the professional division of labor and cooperation, form a technological innovation, key components, integrated manufacturing, quality control inside, general manufacturing abroad, a high starting point, high demand, the organization of lean production mode, for direct drive of NC machine tool and more industrial machinery lifting transmission mechanism, direct drive provides critical power of direct drive unit components.

Our company adhere to the technology leader in strategy, “Big” research and development, “Precise” manufacture, “high” technology, “excellence” products, is committed to direct drive technology research and development, promotion and application, will provide CNC machinery green, environmental protection, energy saving, high efficiency, high speed, high precision demand to provide strong support, thereby creating first-class Big technique brand.



产品说明 Product description

贝格泰克系列高速、高精密数控直驱转台

BGTK系列高速、高精密数控直驱转台是各类数控镗铣床、复合磨床、数控滚齿机和加工中心的关键精密功能部件，也可以作为半自动精密铣床、镗床或其它机床的主要附件。

BGTK15系列转台是五轴可倾式直驱转台,作为机床的第四轴五轴，也可以直接作为机床的工作台。

BGTK系列高速、高精密数控直驱转台，以多极稀土永磁低速大扭矩直接驱动力矩电机为动力，以高精度、高分辨率增量或绝对值编码器为反馈元件，采用转台专用轴承，各部分完美结合，取消了齿轮传动，无间隙、无摩擦，长期运行精度无变化，高刚性、高动态精度及重复定位精度。与相应驱动装置匹配，配套单轴数控系统，可完成一个或两个回转坐标的任意角度定位和连续分度工作，与机床直线轴联动可完成各种复杂零件的曲线加工。机床可实现高精度加工等分和不等分的孔、槽及连续特殊曲面。

转台可根据客户要求提供矩形或圆形台面。

转台转速根据客户要求可在最大转速范围内任意设计提供。


BGTK series high-speed, high-precision NC direct drive rotary table is the pivotal and precise function unit for every type of NC boring-milling machine, NC hobbing machine and machining center, it also can be the main accessories for semi-automatic precise milling machine, boring machine and other machine tools.

BGTK15 series rotary tables are 5-axis Tilting Direct Drive Rotary Table, as the fourth axis and the five axis shaft of machine tool, it also can be the worktable of machine tool directly.

BGTK series high-speed, high-precision NC DD rotary table use multi-poles rare-earth permanent magnet DD torque motor as the power, which has lower speed and bigger torque, it chooses high-accuracy, high-resolution incremental or absolute encoder as the feedback component, adopting special bearing for rotary table, the perfect combination of various parts, abandoning gear transmission result in without clearance, without friction, without the accuracy change during long-time running, and with high rigidity, high dynamic accuracy and repeat position accuracy. With the matching driving device and single axes CNC system, it can achieve orientation for any angle with one or two rotating coordinate and continuous dividing work, and can accomplish curve processing for all kinds of complex parts. The machine tools can achieve high-precision for holes with divide or no divide, slots and continuous special curves.

We can provide rotary table with rectangle or round table top according to customer's requirement.

We can customize the speed of rotary table.



BGTK15系列

BGTK15 Series

五轴可倾式直驱转台

5-axis Tilting Direct Drive Rotary Table

产品型号Models		单位	125 BGTK15- 160 180		BGTK15- 200 -250		BGTK15- 320	
技术参数Specification								
旋转轴台面直径 Table diameter of rotating shaft		mm	125/160/180		200/250		320	
中心高 Center height		mm	200		220		300	
中心孔 Cebter hole		mm	Φ25×25		Φ40×25		Φ50×25	
T型槽宽度 Table T-sloe widht		mm	6-12		6-12		6-14	
倾斜角度 Inclination angle		mm	-100° --+100°		-100° --+100°		-100° --+100°	
轴向 Axis			旋转轴 (c)	倾斜轴 (A)	旋转轴 (c)	倾斜轴 (A)	旋转轴 (c)	倾斜轴 (A)
直驱电机 Torque motor	额定转矩 Rated torque	Nm	46 (1407)	135 (1710)	165 (2107)	322 (2907)	201 (2607)	460 (2910)
	峰值转矩 Peak torque	Nm	89	255	282	590	370	831
制动单元 Clamping	气压 Pressure	5.5bar	100	150	200	350	\	\
	油压 Oil pressure	35bar	300	800	800	1700	1300	1700
定位精度 Positioning accuracy			根据角度编码器的选择可选海德汉，雷尼绍、尼康等 According to the choice of angle encoder can choose Heidenhain,Renishaw,Nikon and so on. ±20" ±15" ±10" ±5" ±2.5" …±1"					
最大承载 Maximum load	水平 Level		125		150		300	
	倾斜 Tilt		50		80		125	
转台重量 Turntable weight			160		350		400	

BGTK15系列

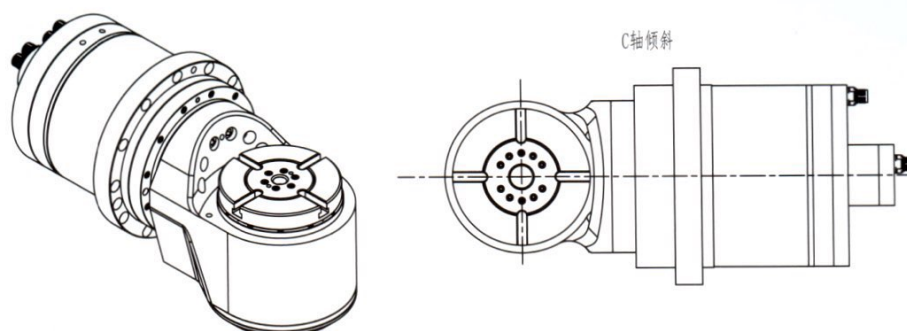
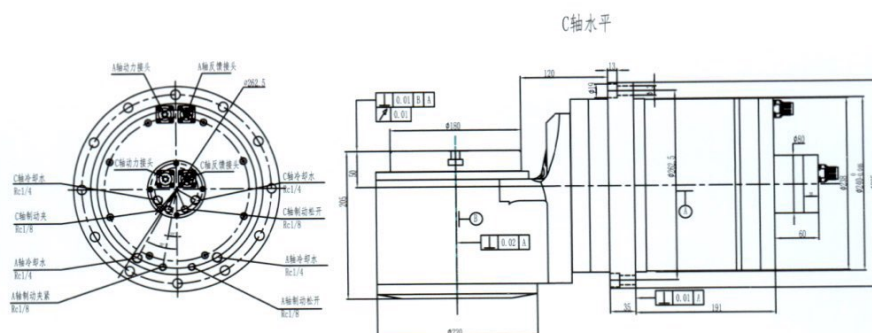
BGTK15 Series

五轴可倾式直驱转台

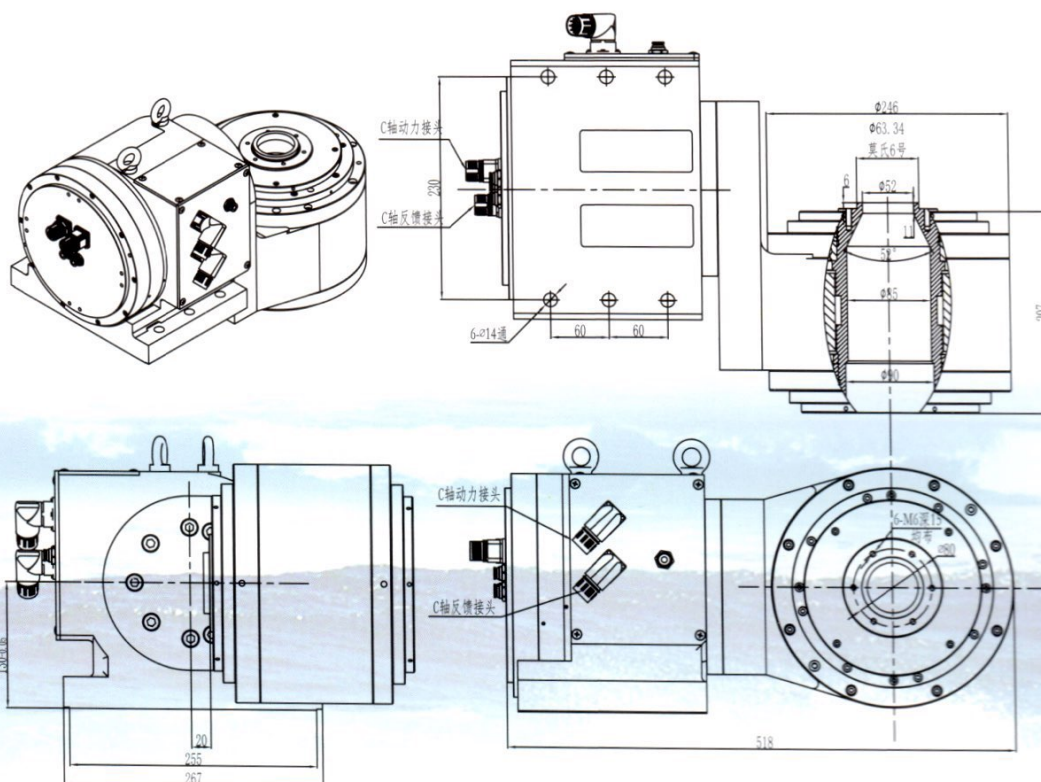
5-axis Tilting Direct Drive Rotary Table

产品型号Models		单位	400 BGTK15- 500 630		BGTK15-630 -800		BGTK15- 1000	
技术参数Specification								
旋转轴台面直径 Table diameter of rotating shaft		mm	400/500/630		630/800		1000	
中心高 Center height		mm	400					
中心孔 Cebter hole		mm	Φ50×25		Φ70×30		Φ135×35	
T型槽宽度 Table T-sloe widht		mm	6-18		8-18		8-18	
倾斜角度 Inclination angle		mm	-100° --+100°		-100° --+100°		-100° --+100°	
轴向 Axis			旋转轴 (c)	倾斜轴 (A)	旋转轴 (c)	倾斜轴 (A)	旋转轴 (c)	倾斜轴 (A)
直驱电机 Torque motor	额定转矩 Rated torque	Nm	415 (3605)	1200 (3615)	924 (5305)	2076 (5310)	2076 (7605)	4500 7610
	峰值转矩 Peak torque	Nm	780	2200	1802	3650	3770	7688
制动单元 Clamping	气压 Pressure	5.5bar	\	\	\	\	\	\
	油压 Oil pressure	35bar	3400	4500	6700	1000	13700	19000
定位精度 Positioning accuracy			根据角度编码器的选择可选海德汉，雷尼绍、尼康等 According to the choice of angle encoder can choose Heidenhain,Renishaw,Nikon and so on. ±20" ±15" ±10" ±5" ±2.5" …±1"					
最大承载 Maximum load	水平 Level		500		800		1500	
	倾斜 Tilt		300		500		1000	
转台重量 Turntable weight			850		1200		2400	

BGTK15 1710-130-300 T/180-1407-40-300

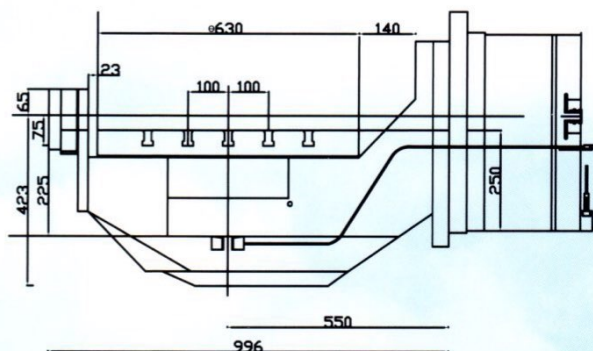
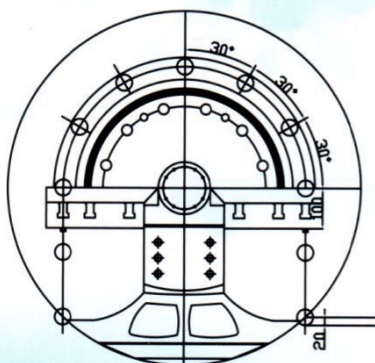
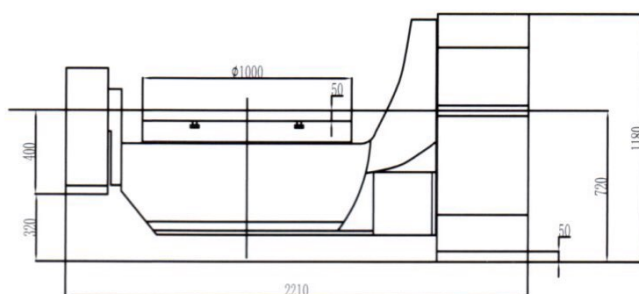
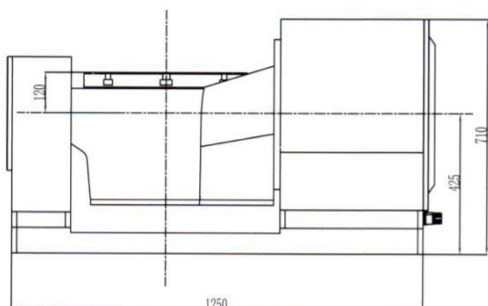


BGTK15 2105-48-100 T/90-1901-15-4500



Technical drawing of a mechanical part, likely a pump or motor housing, showing dimensions in millimeters. The drawing includes a side view and a top view. Key dimensions include:

- Overall width: 1025 mm
- Overall height: 435 mm
- Base height: 310 mm
- Top flange width: 361 mm
- Top flange height: 197.5 mm
- Central body height: 205 mm
- Internal diameters: $\varnothing 400$ and $\varnothing 330$
- Offsets: 272.5 mm and 190 mm



传动精密无间

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