

WCD系列滾子凸輪五軸

WCD series roller CAM five axis

特性:

內部採用滾子凸輪結構，磨損小，轉位速度快、可正反轉、零背隙、定位精度高、使用壽命長。廣泛適用於各類組合機床、加工中心、3C類產品加工等。



Features:

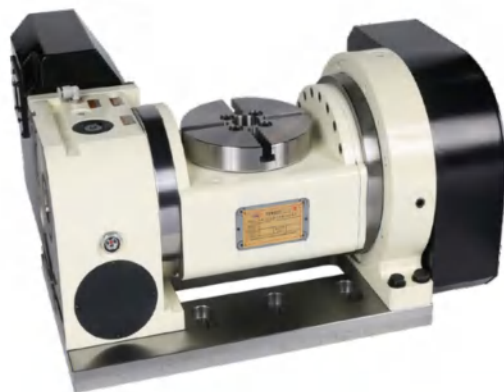
The roller CAM structure is used inside, which has the characteristics of low wear, fast rotation speed, reversible rotation, zero clearance, high positioning accuracy and long service life. Widely used in a variety of combined machine tools, processing centers, 3C products and so on.

W-CD-200

盤面尺寸 Table diameter

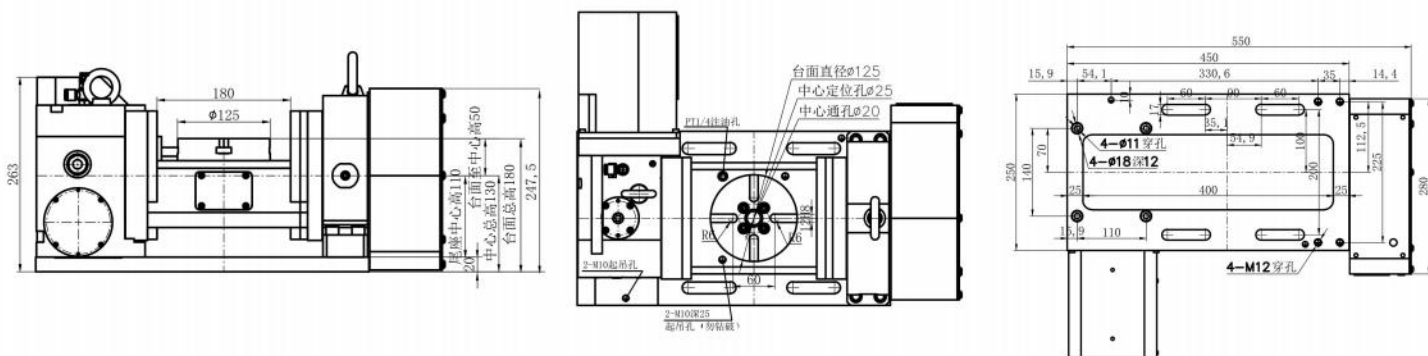
滾子凸輪結構 Roller CAM structure

五軸系列 Five-axis series

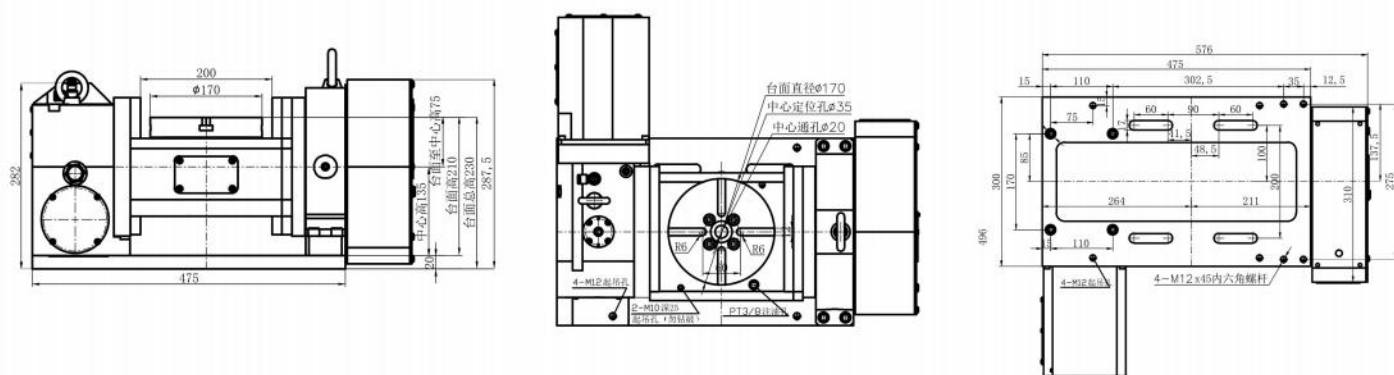


規格/型號 Specification/Model	單位 Unit	WCD-125	WCD-170	WCD-200	WCD-255	WCD-320	WCD-400	WCD-500
最大工件回轉直徑 Maximum workpiece diameter	mm	180	200	265	460	520	650	760
工作盤面直徑 Working disk diameter	mm	126	170	200	255	320	400	500
盤面總高度 Surface height	mm	180	230	284.5	283.6	355	395	455
貫穿孔直徑 Through-hole	mm	Φ20	Φ20	Φ40	Φ40	Φ60	Φ90	Φ120
盤面T型槽 Disk T-slot	mm	20H8	20H8	20H8	20H8	25H8	25H8	32H8
總高度 Total height	mm	263	288	475	370	430	515	630
總寬度 Overall width	mm	423	496	475	555	670	735	850
總長度 Overall length	mm	550	576	912	1032	1260	1412	1642
整機重量 Machine weight	kg	105	175	0:00	365	672	1035	1610
C軸旋轉角度 C axis rotation angle		360°	360°	360°	360°	360°	360°	360°
A軸傾斜角度 A axis tilt angle		±110°	±110°	±110°	±110°	±110°	±110°	±110°
C軸伺服馬達 C servo motor	選配 optional	β2 HG56S	β4 HG105S	β4 HG105S	β8 HG104S	β12 HG154S	β22 HG204S	β22 HG204S
A軸伺服馬達 A servo motor	選配 optional	β4 HG105S	β8 HG154S	β8 HG154S	β12 HG154S	β22 HG204S	β22 HG303S	β22 HG204S
C軸減速比 C deceleration ratio		1:30	1:36	1:36	1:72	1:80	1:80	1:96
A軸減速比 A deceleration ratio		1:36	1:36	1:36	1:60	1:72	1:120	1:120
C軸承重 C load - bearing	kg	35	70	70	125	150	200	350
A軸承重 A load - bearing	kg	25	50	50	90	110	150	245
制動力 Braking force		氣壓 pneumatic	氣壓 pneumatic	氣壓/油壓 pneumatic/hydraulic	油壓 hydraulic	油壓 hydraulic	油壓 hydraulic	油壓 hydraulic
施加壓力 Exert pressure	kg/cm ²	5	5	5/25	25	25	25	25
C軸分割精度 C-axis segmentation accuracy	sec	40	40	40	40	40	40	40
A軸分割精度 A-axis segmentation accuracy	sec	60	60	60	60	60	60	60
C軸重複精度 C- Repetition accuracy	sec	8	8	8	8	8	8	8
A軸重複精度 A- Repetition accuracy	sec	8	8	8	8	8	8	8

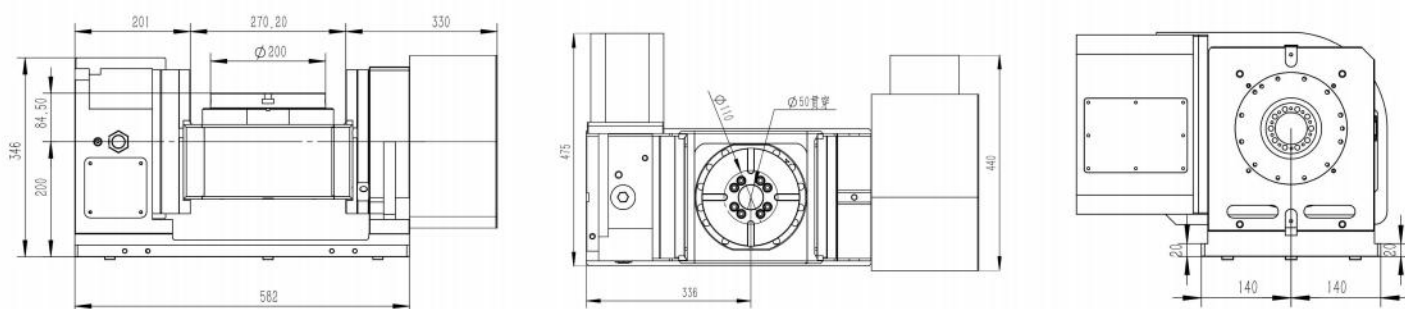
WCD-125



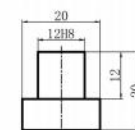
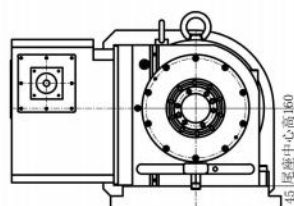
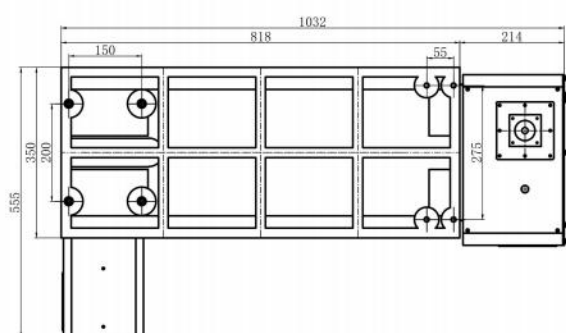
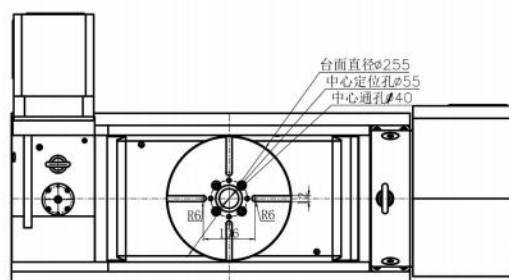
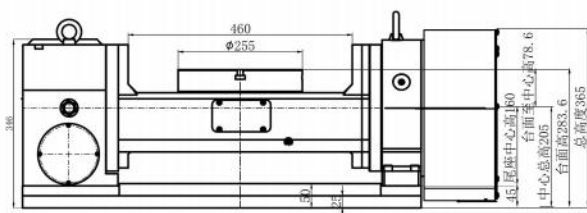
WCD-170



WCD-200

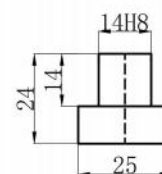
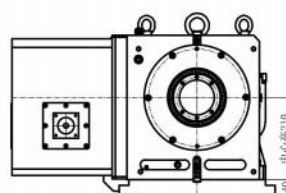
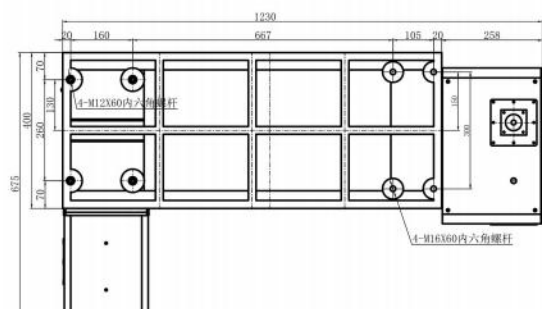
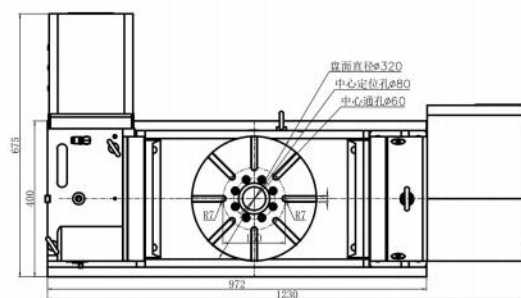
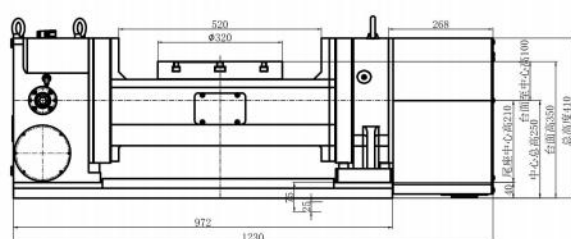


WCD-255



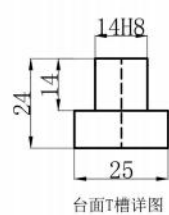
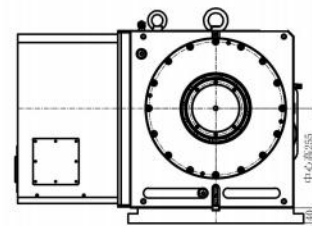
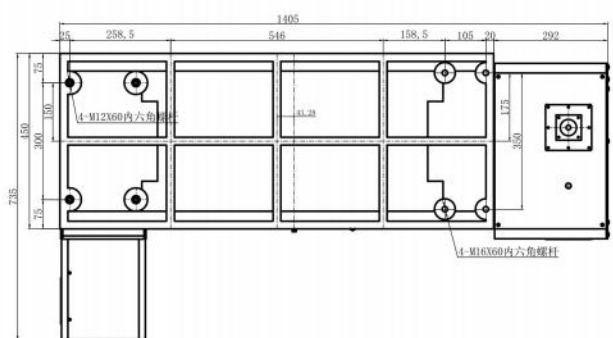
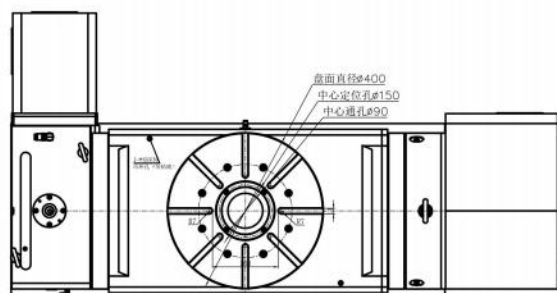
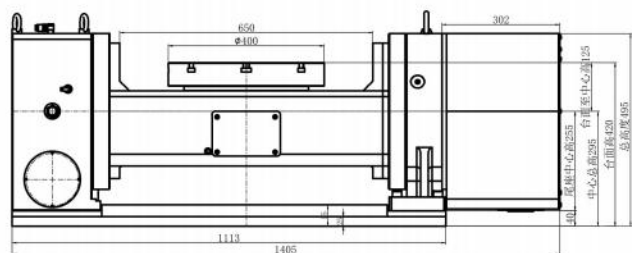
台面T型槽图

WCD-320



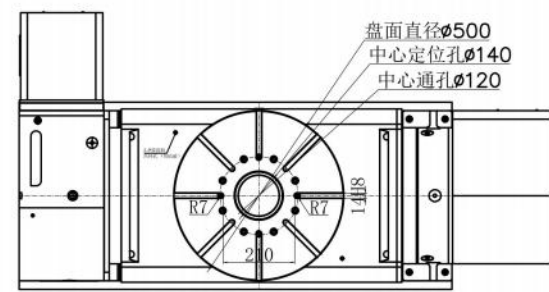
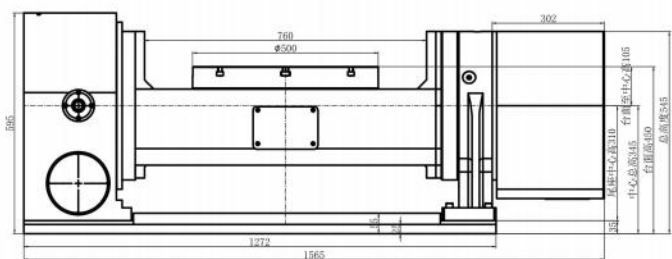
台面T槽详图

WCD-400

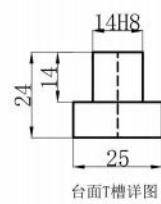
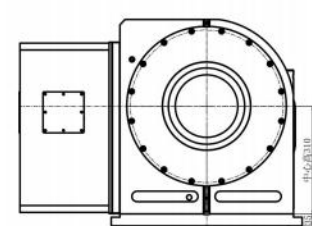
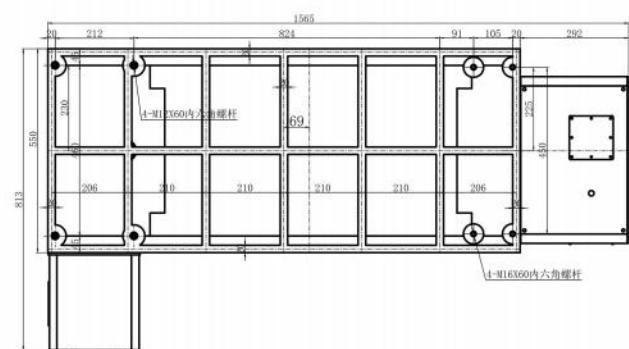


台面T槽详图

WCD-500



盘面直径 $\phi 500$
中心定位孔 $\phi 140$
中心通孔 $\phi 120$

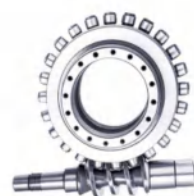


台面T槽详图

WCD系列滾子凸輪五軸加長款 WCD series roller CAM five axis

特性:

內部採用滾子凸輪結構，磨損小，轉位速度快、可正反轉、零背隙、定位精度高、使用壽命長。廣泛適用於各類組合機床、加工中心、3C類產品加工等。



Features:

The roller CAM structure is used inside, which has the characteristics of low wear, fast rotation speed, reversible rotation, zero clearance, high positioning accuracy and long service life. Widely used in a variety of combined machine tools, processing centers, 3C products and so on.

W-CD-255L (加長款)

盤面尺寸 Table diameter

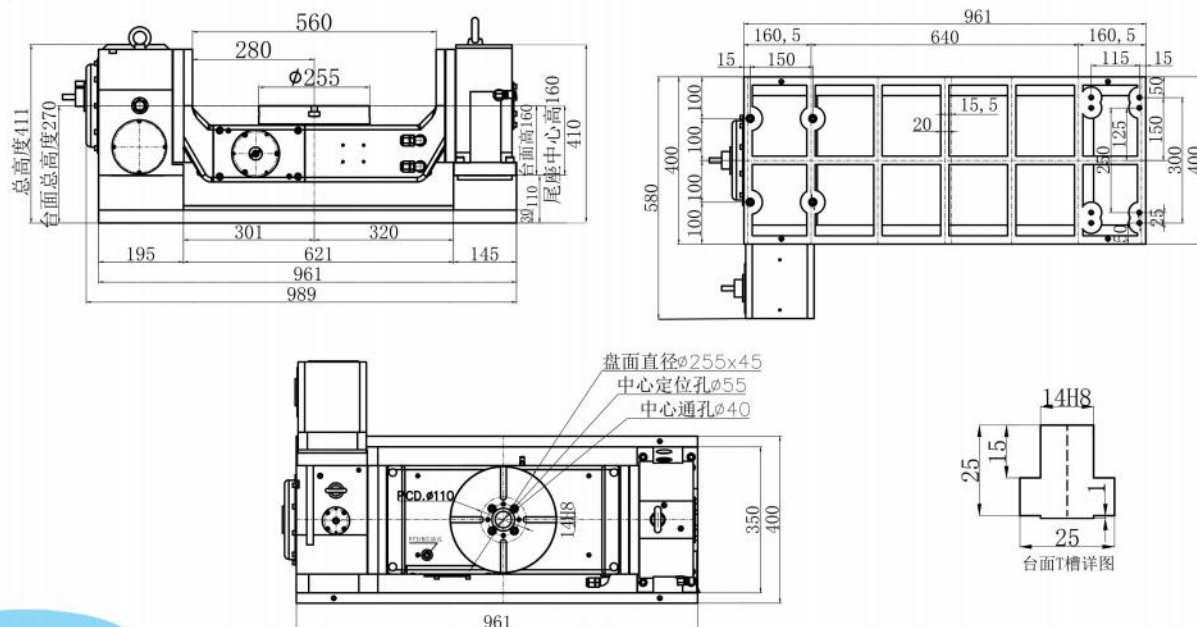
滾子凸輪結構 Roller CAM structure

五軸系列 Five-axis series

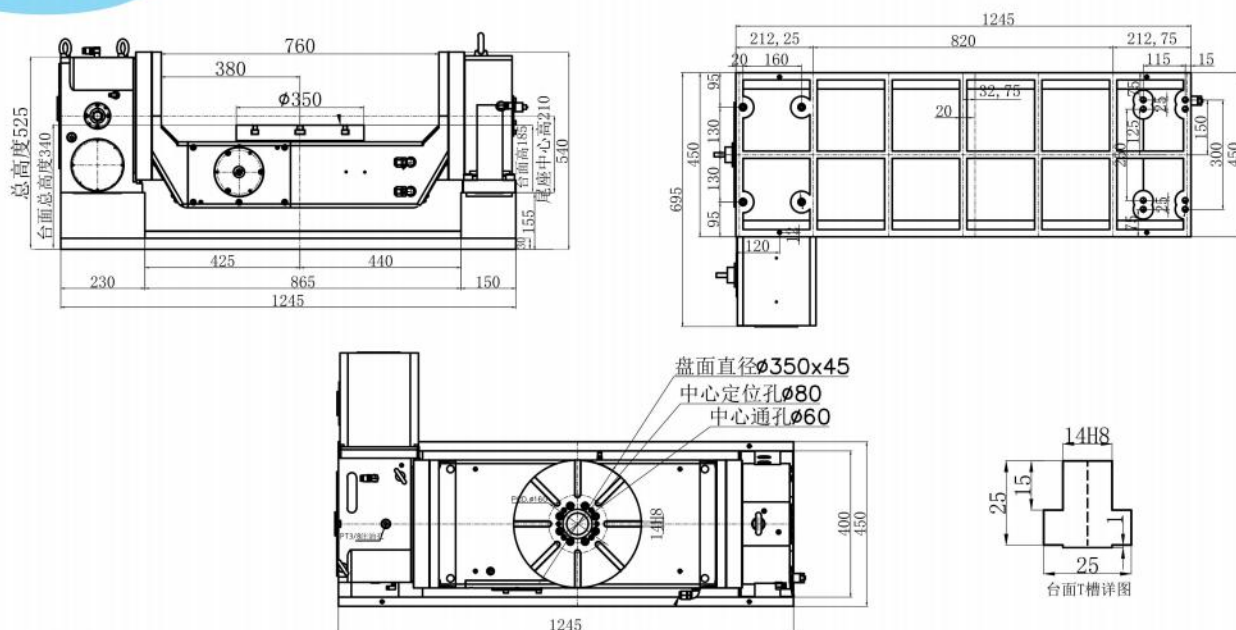


規格/型號 Specification/Model	單位 Unit	WCD-255	WCD-350	WCD-400	WCD-500	WBCD350	WBCD500	WBCD500X
最大工件回轉直徑 Maximum workpiece diameter	mm	560	760	850	920	760	920	920
工作盤面直徑 Working disk diameter	mm	255	350	400X350	500X400	350	500X400	500X400
盤面總高度 Surface height	mm	270	365	365	460	255	460	310
貫穿孔直徑 Through - hole	mm	Φ40	Φ60	Φ60	Φ90	Φ60	Φ90	Φ90
盤面T型槽 Disk T-slot	mm	25H8	25H8	25H8	25H8	25H8	25H8	25H8
總高度 Total height	mm	411	540	565	710	455	720	570
總寬度 Overall width	mm	580	695	775	850	480	620	570
總長度 Overall length	mm	989	1245	1336	1470	1510	1711	1711
整機重量 Machine weight	kg	420	845	1010	1465	748	1460	1232
C軸旋轉角度 C axis rotation angle		360°	360°	360°	360°	360°	360°	360°
A軸傾斜角度 A axis tilt angle		±110°	±110°	±110°	±110°	±110°	±110°	±110°
C軸伺服馬達 C servo motor	選配 optional	β8 HG105	β12 HG154	β12 HG154	β12 HG154	β12 HG154S	β12 HG154	β12 HG154
A軸伺服馬達 A servo motor	選配 optional	β12 HG154	β22 HG303	β22 HG303	β22 HG303	β22 HG303	β22 HG303S	β22 HG204S
C軸減速比 C deceleration ratio		1:72	1:80	1:80	1:80	1:80	1:80	1:80
A軸減速比 A deceleration ratio		1:60	1:72	1:120	1:120	1:125	1:96	1:96
C軸承重 C load - bearing	kg	125	150	200	350	150	350	350
A軸承重 A load - bearing	kg	90	110	150	245	110	245	245
制動動力 Braking force		油壓 hydraulic	油壓 hydraulic	油壓 hydraulic	油壓 hydraulic	油壓 hydraulic	油壓 hydraulic	油壓 hydraulic
施加壓力 Exert pressure	kg/cm ²	25	25	25	25	25	25	25
C軸分割精度 C - axis segmentation accuracy	sec	40	40	40	40	40	40	40
A軸分割精度 A - axis segmentation accuracy	sec	60	60	60	60	60	60	60
C軸重複精度 C - Repetition accuracy	sec	8	8	8	8	8	8	8
A軸重複精度 A - Repetition accuracy	sec	8	8	8	8	8	8	8

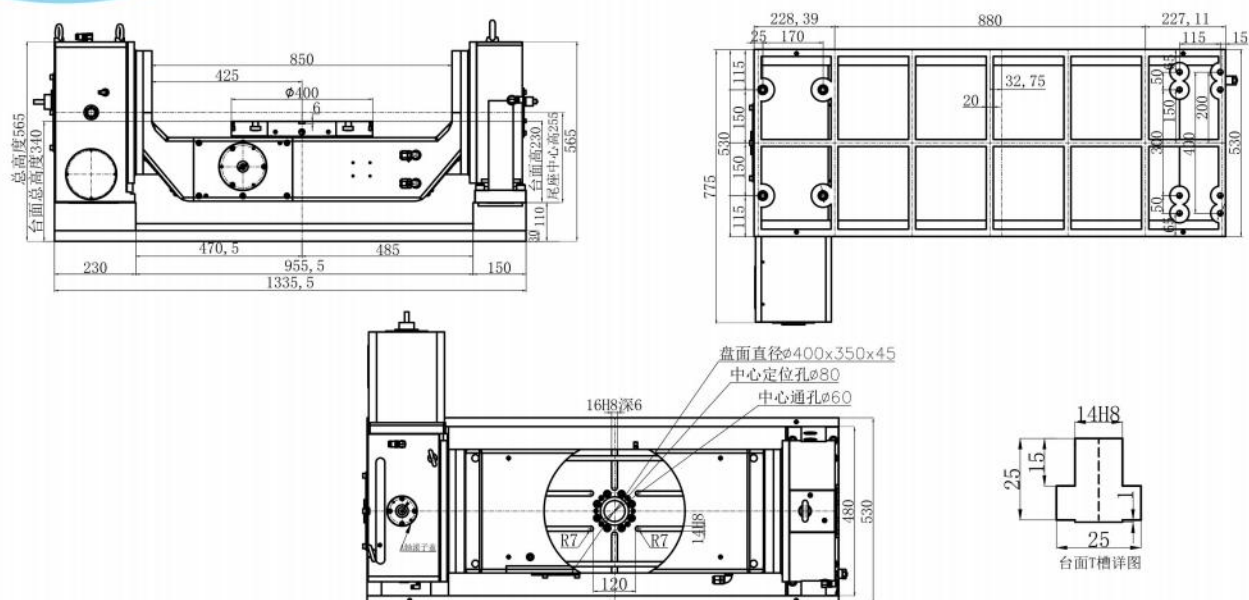
WCD-255L



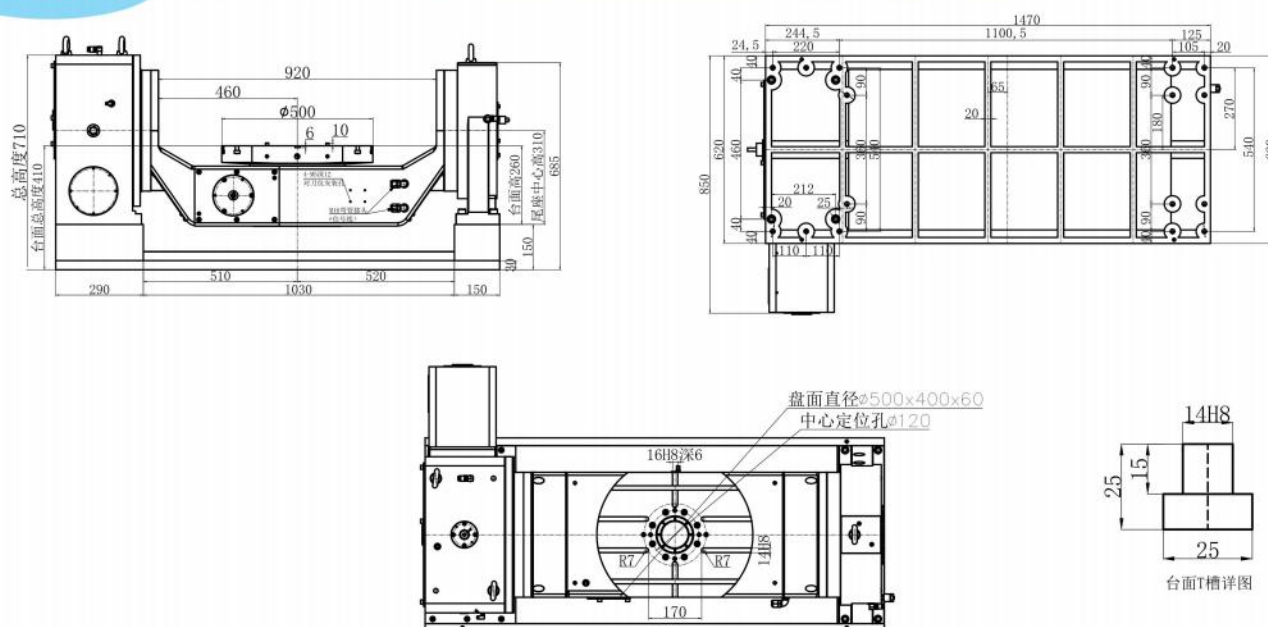
WCD-350L



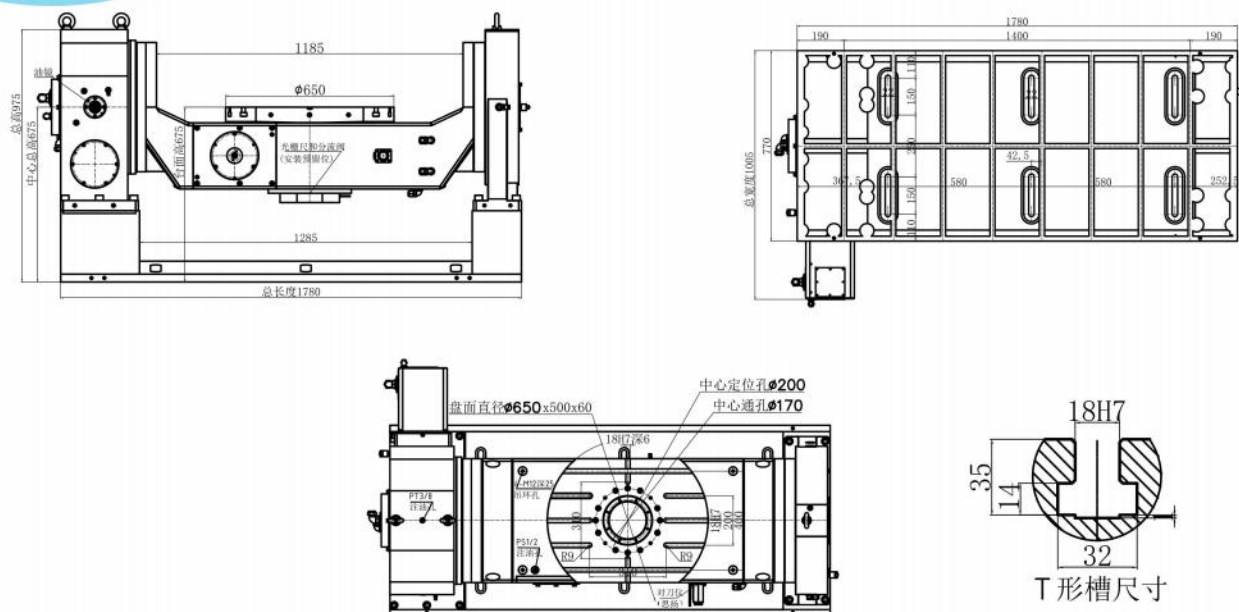
WCD-400L



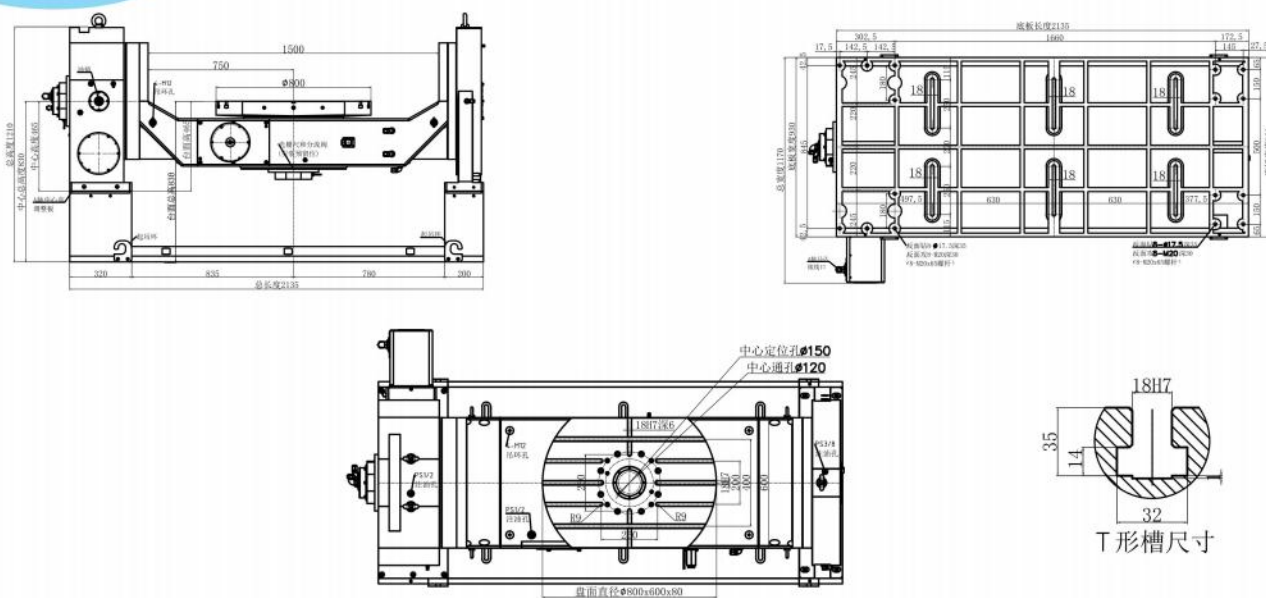
WCD-500L



WCD-650L

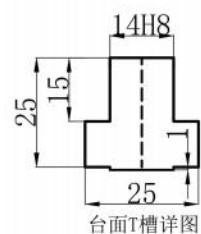
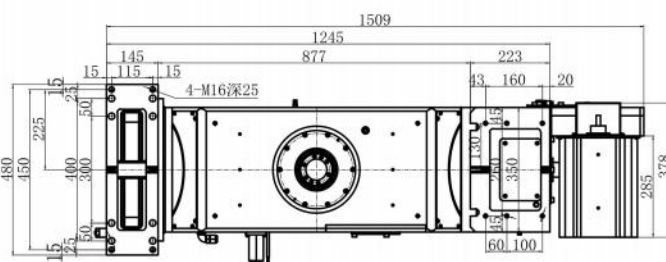


WCD-800L



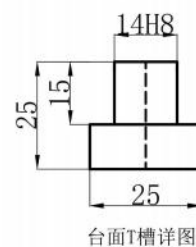
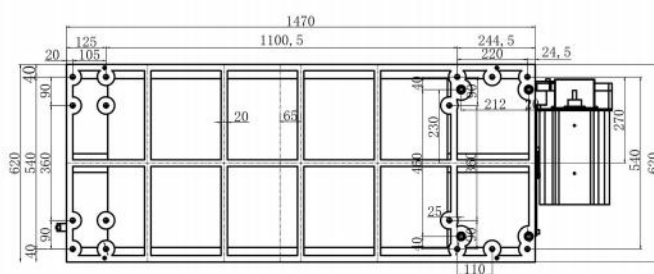
WBCD350L

背式五轴



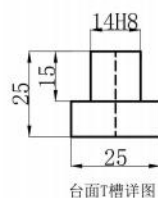
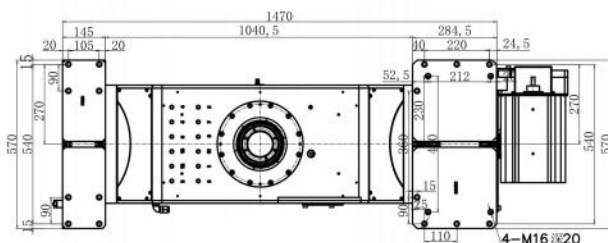
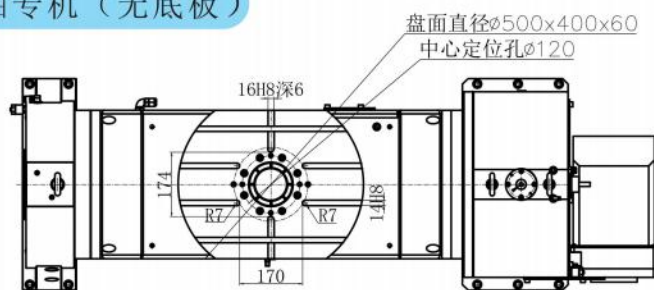
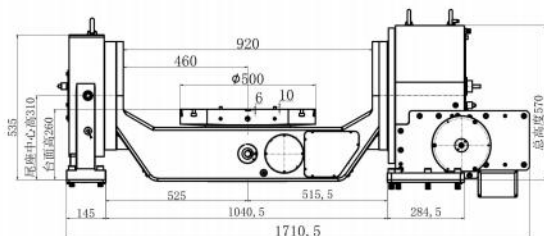
WBCD500L

背式五轴有底板



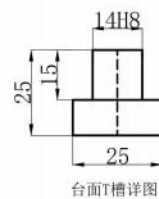
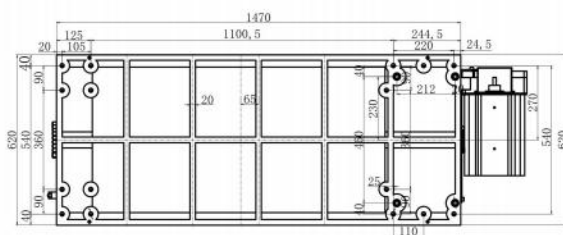
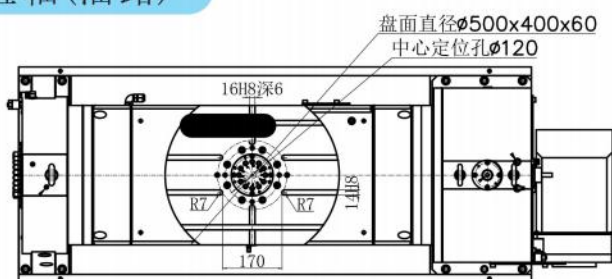
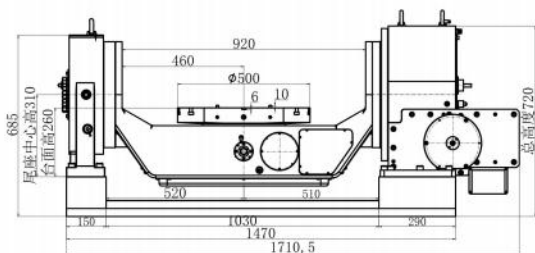
WBCD500X

背式五轴专机（无底板）



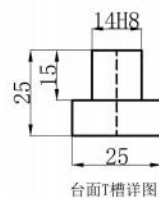
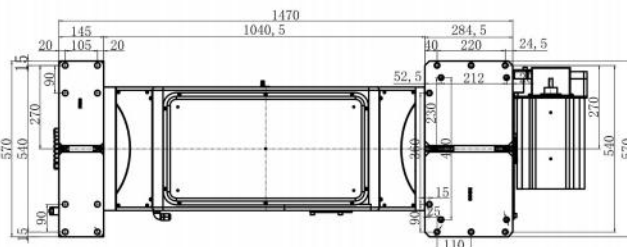
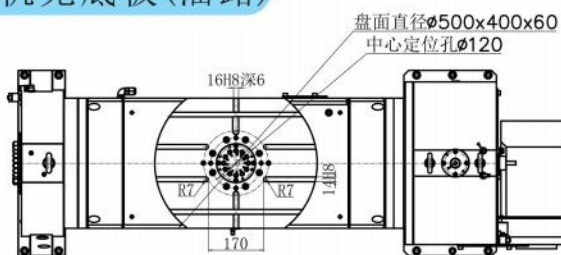
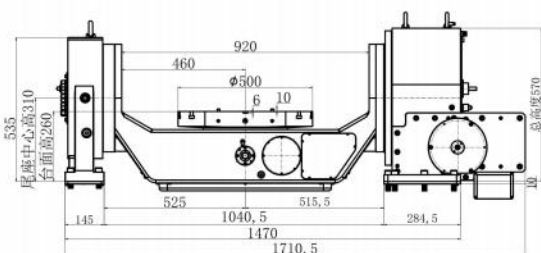
WBCD500(Y)

背式五轴（油路）



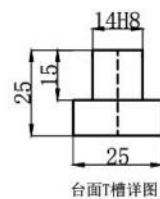
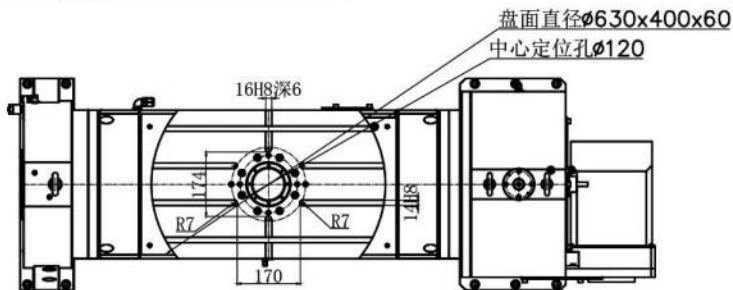
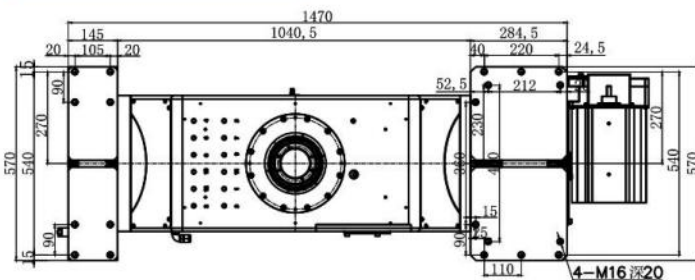
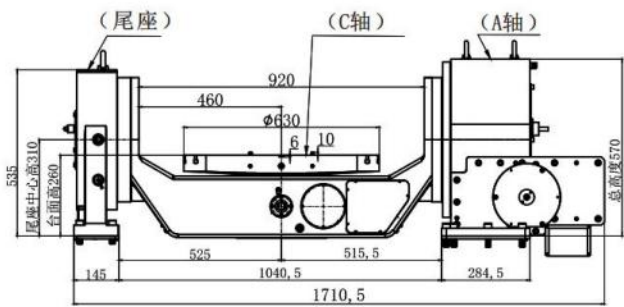
WBCD500X(Y)

背式五轴专机无底板（油路）

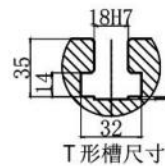
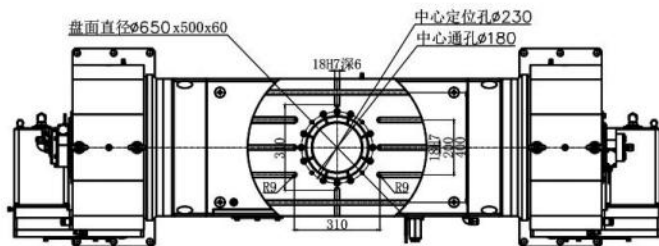
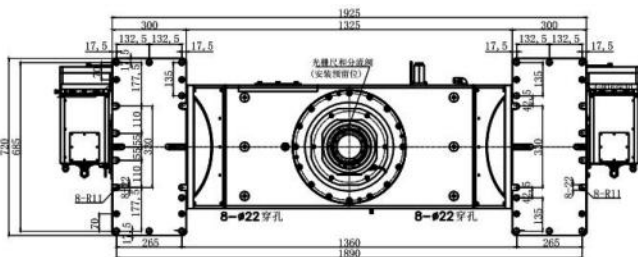
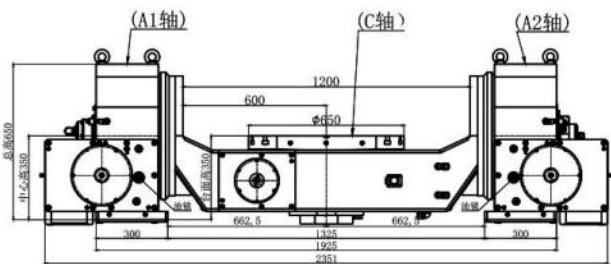


WBCD-630L

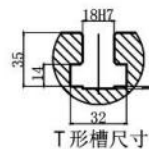
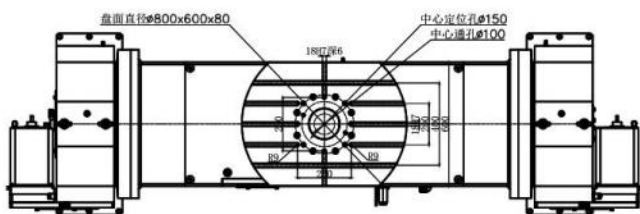
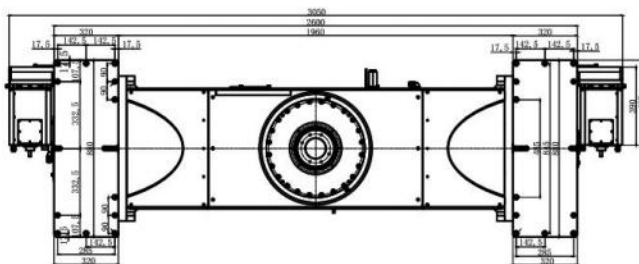
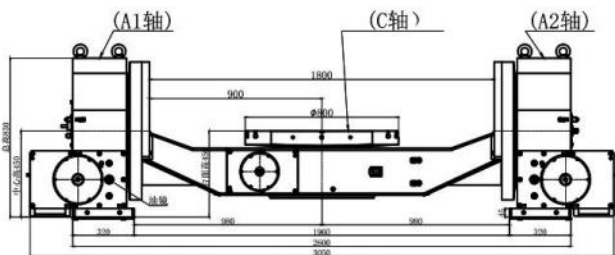
背式五轴（无底板）



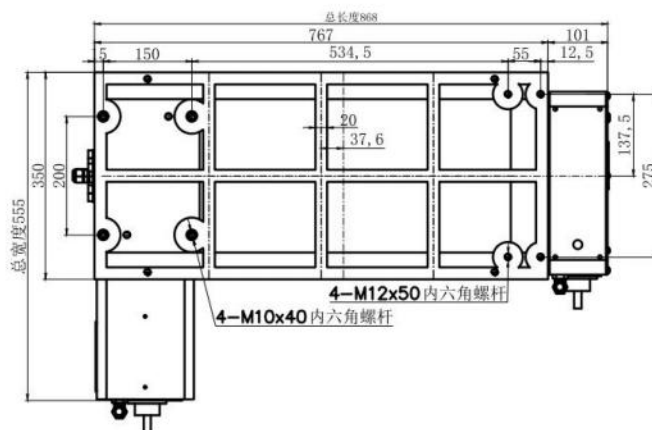
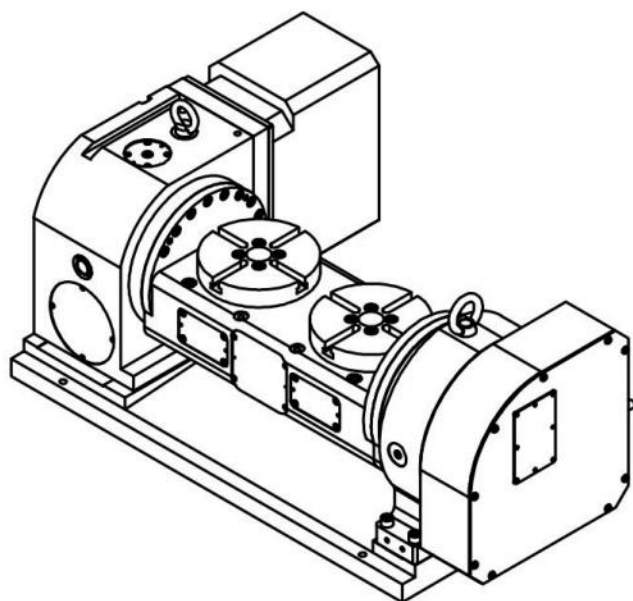
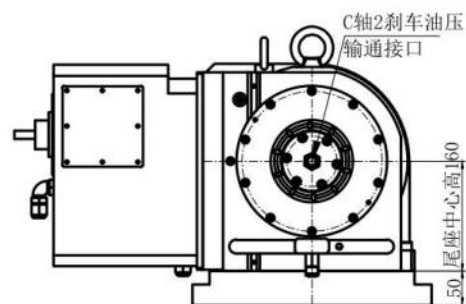
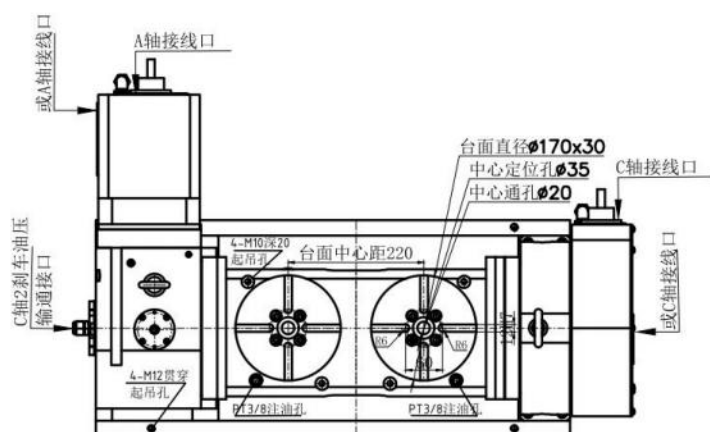
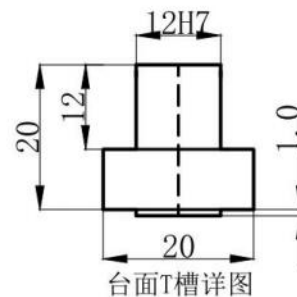
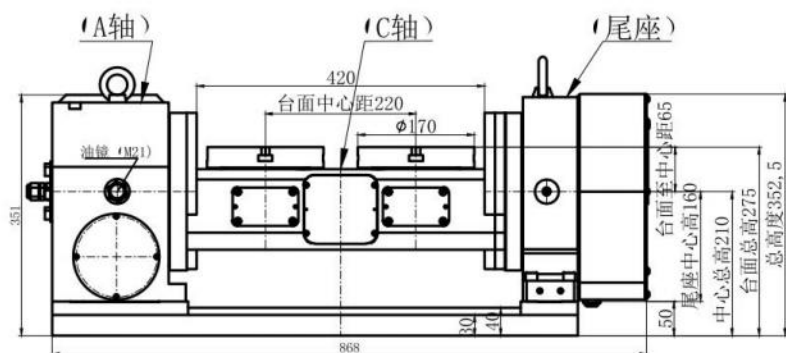
SWBCD-650L



SWBCD-800L

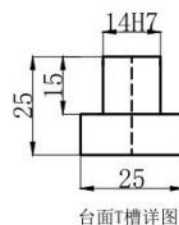
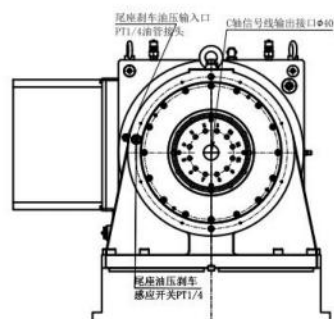
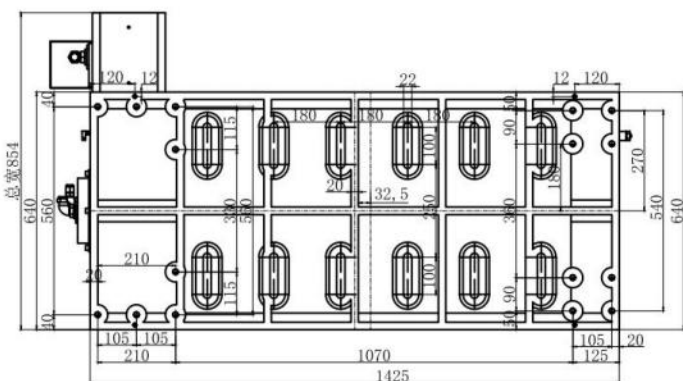
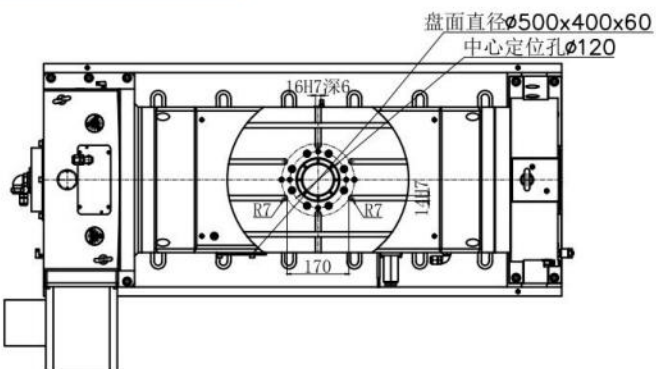
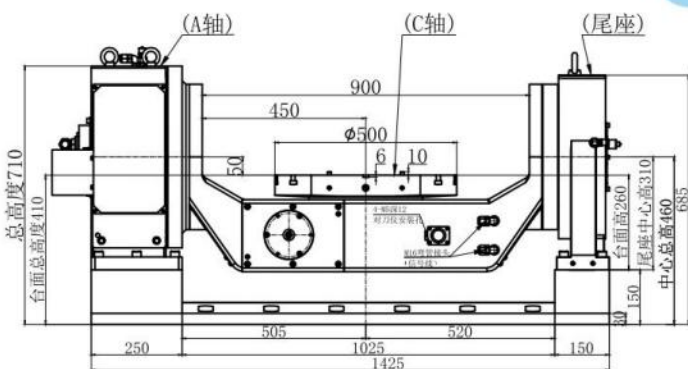


WCD-170双头



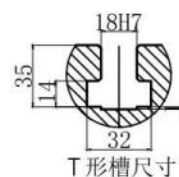
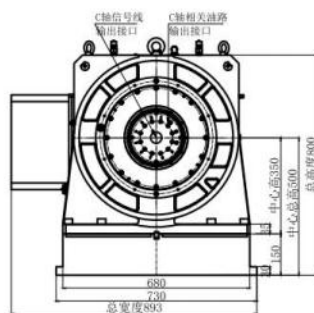
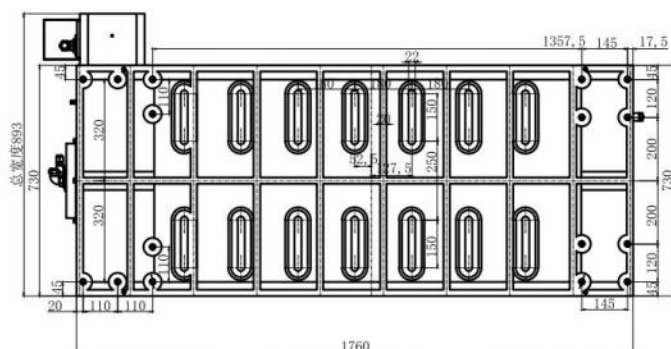
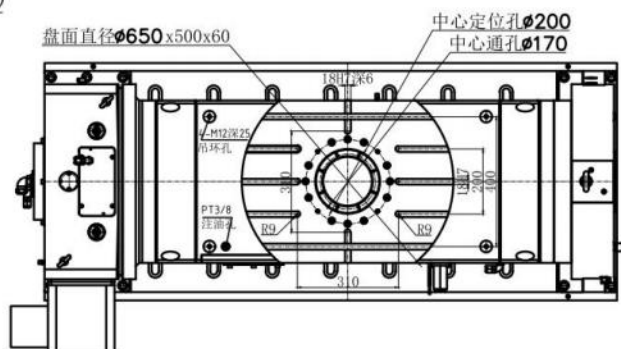
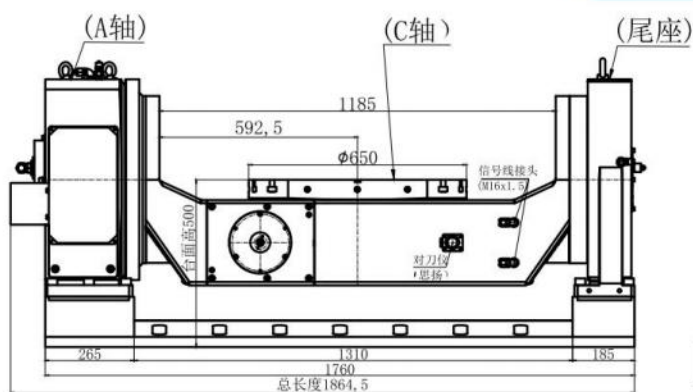
WNCD-500L

A轴1°/5°度， C轴1‰度



WNCD-650L

A轴1°/5°度，C轴1‰度

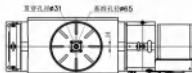
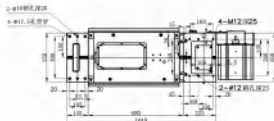
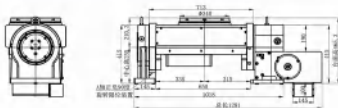
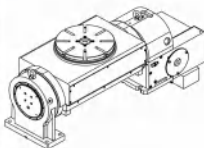


可定制非标五轴组合

WBH340X雷式五轴

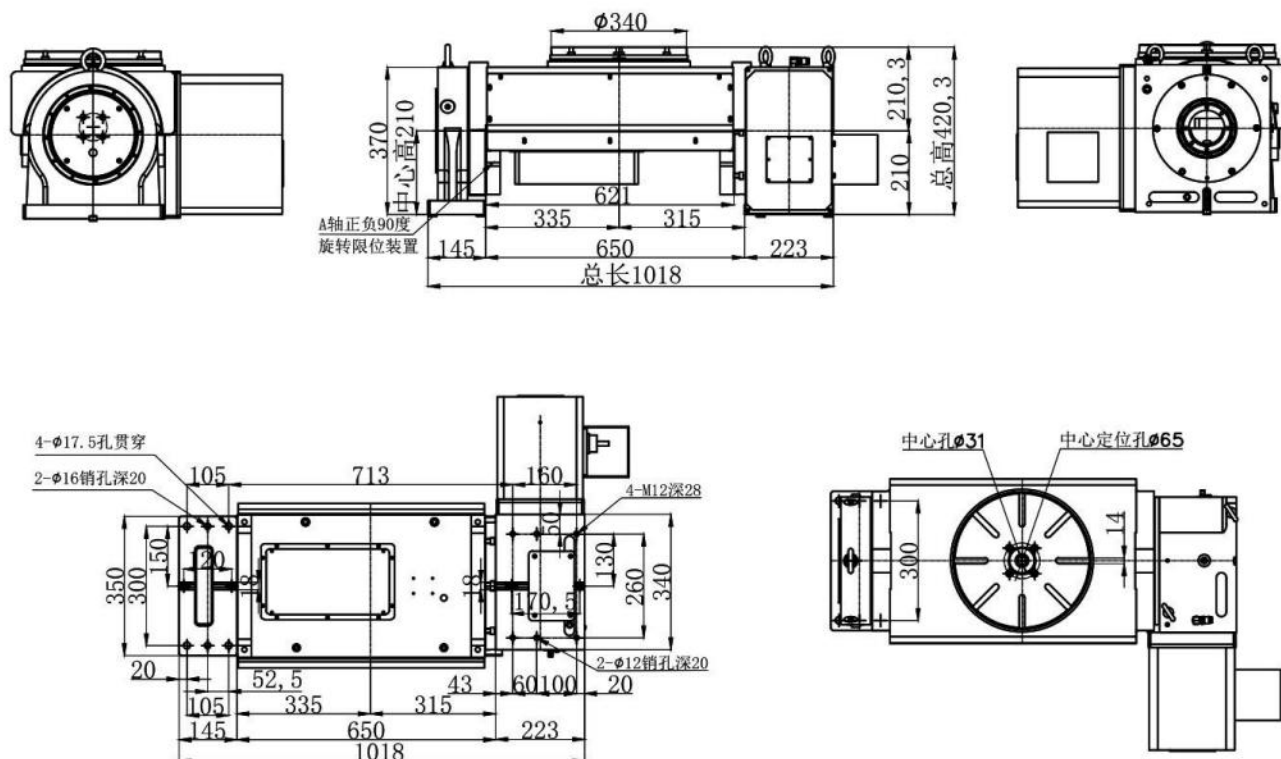
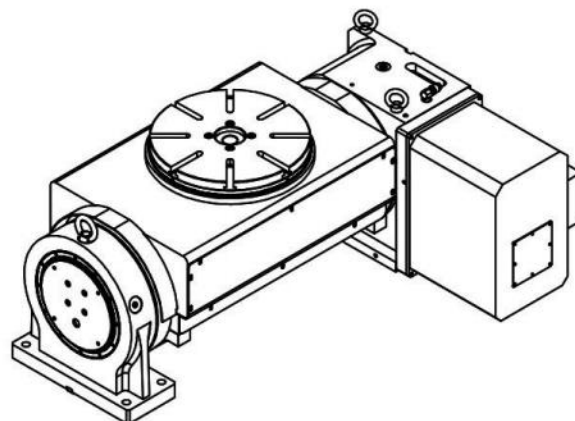
规格 Specifications		单位 Unit		备注 Remarks	
最大工件回转直径 Max. rotation diameter	mm			900	
工作台直径 Table diameter	mm			φ340	
最大高度 Table height	mm			885	
中心至台面高度 The height from center to table	mm			210	
中心高度 Center height	mm			285	
基准孔直径 Reference hole	mm			φ131H8	
贯穿孔直径 Through-hole	mm			φ32	
盘面T型槽 Disk T-slot	mm			14×1×H97	
重量 weight	kg			570	
旋转角度 Rotation angle	Degree	回转轴 / CHC-axis	旋转轴 / Table A-axis		
		360	±90		
旋转伺服电机型号 Model of servo motor	FANUC M750SG04	油压 / Oil 油压 / Oil	0.22kW 0.22kW	减速比 / G.R 减速比 / G.R	
旋转最大转速 Max. speed	rpm			18	
油压使用压力 Oil pressure	kg/cm ²	25	25		
累计分度精度 Cumulative accuracy (arc/minute)	arc	5	60		
重复精度 Repeat positioning accuracy	mm	4	3		
分刻台等分分度 (每度 / One revolution/degree)	division	4, 6, 8, 12, 24 (选择件) / 4, 6, 8, 12, 24 (option)			
分刻台等分分度 (每度 / One revolution/degree)	division	2, 3, 5, ... (可接受其他等分度数)			
旋转方向 Rotating direction		1 (顺时针) / 1 (Clockwise)			
旋转90°时间 Indexing time of 90 degrees	sec	30.0		3.0	
允许瞬间惯性 Permissible instant inertial torque	kg	0.06		0.062	
旋转扭力 Rotational torque	kg·m	3.8		3.80	
锁紧扭力 Clamping torque	kg·m ²	1.560	1.785		
	kg·m ²	332	361		
	kg·m ²	1.65	1.65		
允许载重 Load capacity	kg	150	150		

四醇酸 (C酸) : 360° Polyolonic acid	四醇酸 (A酸) : -90° ± 110° T. lonic acid
油压泵油: 2HF-430-60L OIL Accurate	FANUC P 221a
油压泵油: 2HF-430-60L OIL Accurate	HC204BS-D48/HG300BS D48



规格Specification		单位Unit	WCH340X
最大工件回转直径 max. rotation diameter		mm	890
工作盘直径 Table diameter		mm	φ340
盘面高度 Table height		mm	420
中心至盘面高度 The height from center to table		mm	210
中心高度 Center height		mm	210
基准孔直径 Reference hole		mm	φ65H6
贯穿孔直径 Through-hole		mm	φ31
盘面T型槽 Disk T-slot		mm	14×18H7
重量 weight		kg	500
旋转角度 Rotation angle	Degree	回转轴(C轴) C-axis	工件回转在0~650内时.旋转轴(A轴) Rotation axis(Rotation diameter 0~650mm)
		360	±90
旋转角度 Rotation angle	Degree	回转轴(C轴) C-axis	工件回转在650~890内时.旋转轴(A轴) Rotation axis(Rotation diameter between650~890mm)
		360	0.0~90
旋转伺服马达型号 Model of servo motor	FANUC	油压 Oil	β 22is 减速比 1:72
	MITSUBISHI	油压 Oil	β 22is 减速比 1:72
旋转最大转速 Max.speed		rpm	25
油压使用压力 Oil pressure		kg/cm ²	35
累计分割精度 Indexing accuracy (accumulative)		sec	±4
重现精度 Repeat positioning accuracy		sec	±2
分割台等分割数 (标准) Index number(standard)	division	4、6、8、12、24 (选择固定0n of them)	
分割台等分割数 (特殊) Index number(special)	division	2、3、5.....可接受特殊等分订单	
旋转方向 Rotating direction			CW&CCW
旋转90°时间 Indexing time of 90 degrees		sec	3.0
允许瞬间惯性 Permissible instant instant inertia GD		kg/m ²	21.25
旋转扭力 Rotation torque		kg/m	60
锁紧扭力 Clamping torque	F		kg/m
	F _{1/2}		kg/m
	F _{1/4}		kg/m
允许载荷重 Load capacity		kg	150

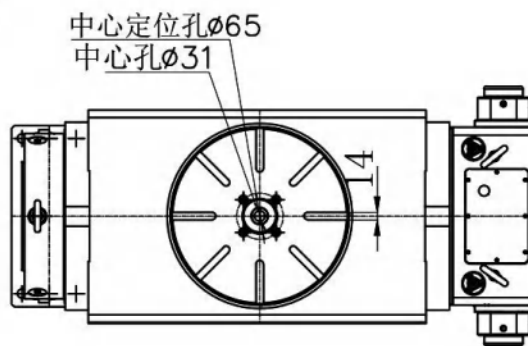
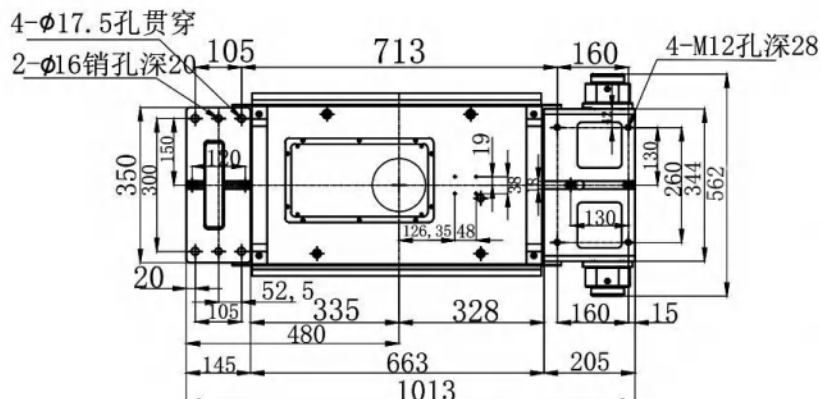
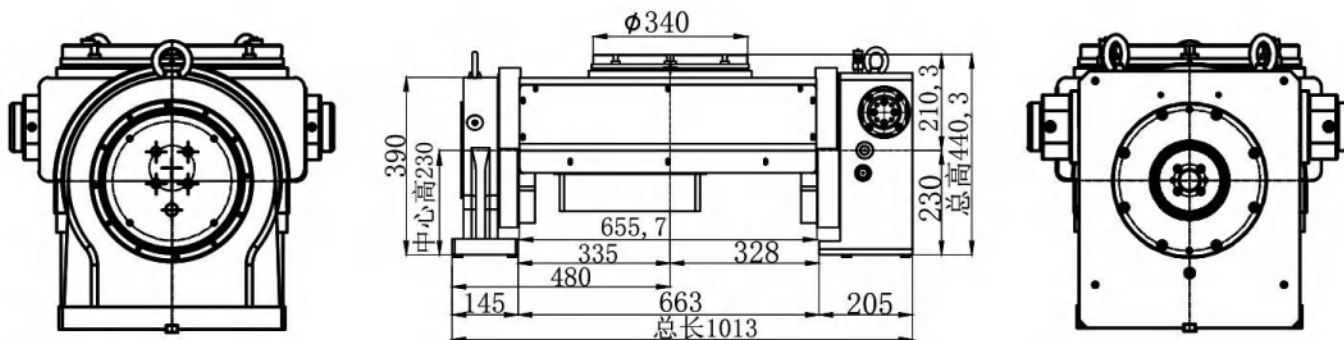
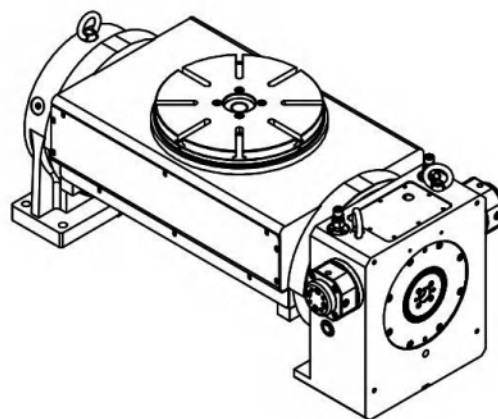
回轉軸 (C軸) : 360° Rotation axis	傾斜軸 (A軸) : -90° ± 110° Tilting axis
油壓驱动: 2HP-V30-60L Oil Actuate	FANUC β 22is
油壓驱动: 2HP-V30-60L Oil Actuate	HG204BS-D48/HG303BS D48



WHH-340X

规格Specification		单位Unit	WHH-340X
最大工件回转直径 max. rotation diameter		mm	900
工作盘直径 Table diameter		mm	Φ340
盘面高度 Table height		mm	440
中心高度 Center height		mm	230
中心至盘面高度 The height from center to table		mm	210
基准孔直径 Reference hole		mm	Φ65H6
贯穿孔直径 Through-hole		mm	Φ31
重量 weight		kg	555
回转角度 Rotating direction	Degree	回转轴 (C轴) C-axis 360	旋转轴 (A轴) A-axis ±90
油压使用压力 Oil pressure		kg/cm ²	25
累计分割精度 Indexing accuracy (accumulative)		sec	±4
重现精度 Repeat positioning accuracy		sec	±2
分割台等分割数(标准) Index number(standard)	division	4、6、8、12、24 (选择固定On of them)	
分割台等分割数(特殊) Index number(special)	division	2、3、5.....可接受特殊等分订单	
旋转方向 Direction of rotation			CW&CCW
旋转90°时间 Indexing time of 90 degrees		sec	3.0
允许瞬间惯性 Permissible instant instant inertia GD		kg/m ²	21.25
旋转扭力 Rotation torque		kg/m	60
锁紧扭力 Clamping torque	F	kg/m	1560
	FAL	kg/m	332
	FHH	kg/m	145
允许载荷重 Load capacity		kg	150

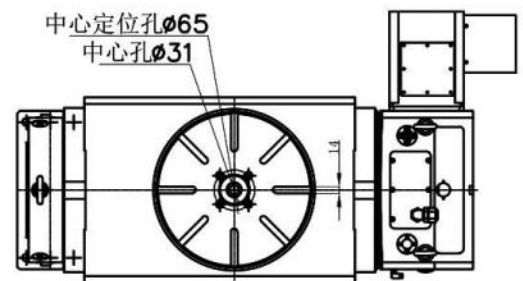
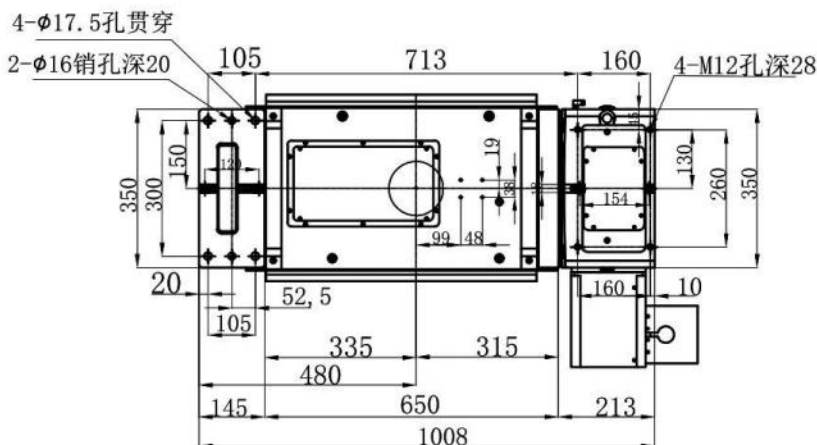
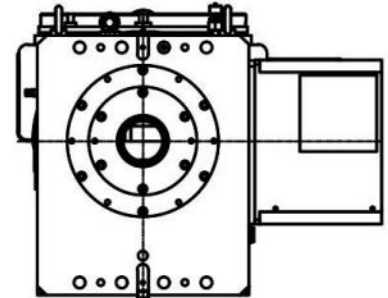
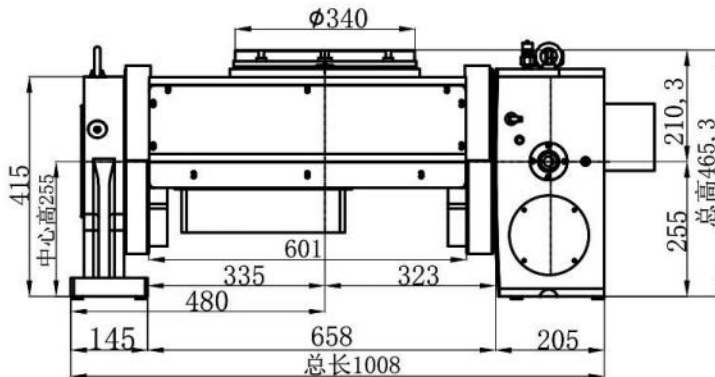
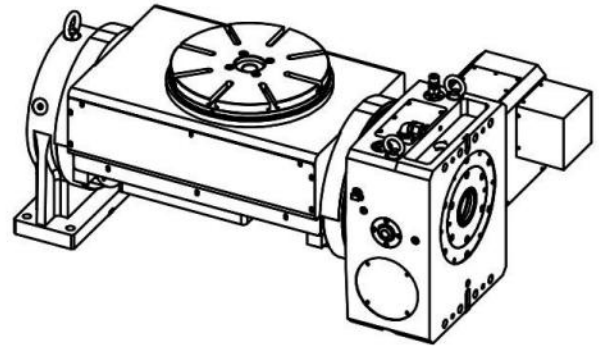
回转轴 (C轴) : 360° Rotation axis	倾斜轴 (A轴) : -90°± 110° Tilting axis
油压驱动 : 2HP-V30-60L Oil pressure drive	油压驱动 : 2HP-V30-60L Oil pressure drive
油压驱动 : 2HP-V30-60L Oil pressure drive	油压驱动 : 2HP-V30-60L Oil pressure drive



WNCH340X

规格Specification	单位Unit	WNCH340X
最大工件回转直径 max. rotation diameter	mm	900
工作盘直径 Table diameter	mm	Φ340
盘面高度 Table height	mm	465
中心至盘面高度 The height from center to table	mm	210
中心高度 Center height	mm	255
基准孔直径 Reference hole	mm	Φ65H6
贯穿孔直径 Through-hole	mm	Φ31
盘面T型槽 Disk T-slot	mm	14×18H7
重量 weight	kg	520
旋转最大转速 Max.speed	rpm	25
油压使用压力 Oil pressure	kg/cm ²	35
累计分割精度 Indexing accuracy (accumulative)	sec	±4
重现精度 Repeat positioning accuracy	sec	±2
分割台等分割数(标准) Index number(standard)	division	4、6、8、12、24 (选择固定On of them)
分割台等分割数(特殊) Index number(special)	division	2、3、5.....可接受特殊等分订单
旋转方向 Rotating direction		CW&CCW
旋转90°时间 Indexing time of 90 degrees	sec	3.0
允许瞬间惯性 Permissible instant instant inertia GD	kg/m ²	21.25
旋转扭力 Rotation torque	kg/m	60
锁紧扭力 Clamping torque	F	kg/m 1560
	F _{CL}	kg/m 332
	F _{PH}	kg/m 145
允许载荷重 Load capacity	kg	150

回转轴 (C轴) : 360° Rotation axis	倾斜轴 (A轴) : -90°± 110° Tilting axis
油压驱动: 2HP-V30-60L Oil Actuate	FANUC β 22is
油压驱动: 2HP-V30-60L Oil Actuate	MITSUBISHI HG204BS-D48



WDGD-170

技术参数 Technical parameters	数值 Value	单位 Unit
工作盤直徑 Table diameter	φ170	mm
中心高 Center height	150	mm
底部至盤面高度 Height from bottom to plate surface	240	mm
基準孔 Reference hole	φ42H7	mm
貫穿孔 Through-hole	φ40H7	mm
基準道槽寬 Width of reference channel	18H7	mm
回轉角度 Angle of rotation	回轉軸 (C軸): 360° 傾斜軸 (A軸): -90° ±110°	
總減速比 Overall deceleration ratio	1:48	1:60
最小分度單位 The smallest unit of division	0.001	0.001
最高回轉速 Maximum return speed	62.5rpm (Max:3000rpm)	50rpm (Max:3000rpm)
分割定位精度 Segmentation positioning accuracy	20sec	20sec
重複定位精度 Repeated positioning accuracy	8sec	4sec
水平容許載重 Level allowable load	30kg	
傾斜容許載重 Tilt tolerance for load	30kg	
重量 weight	132kg	

回轉軸 (C軸): 360°	傾斜軸 (A軸): -90° ±110°
FANUC α iF2	FANUC α iF2+B
FANUC β iS4	FANUC β iS8+B
MITSUBISHI HF-75S	MITSUBISHI HF-104S+B
SIEMENS 1FK7034	SIEMENS 1FK7060+B

