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NO. LD2019-1 Y

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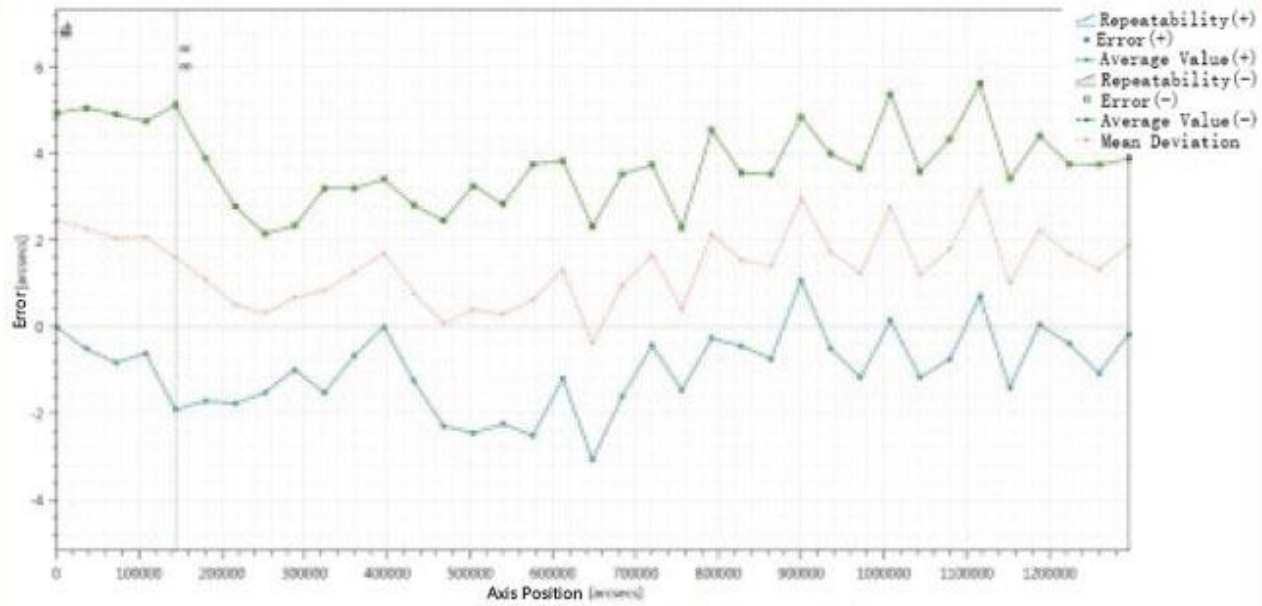
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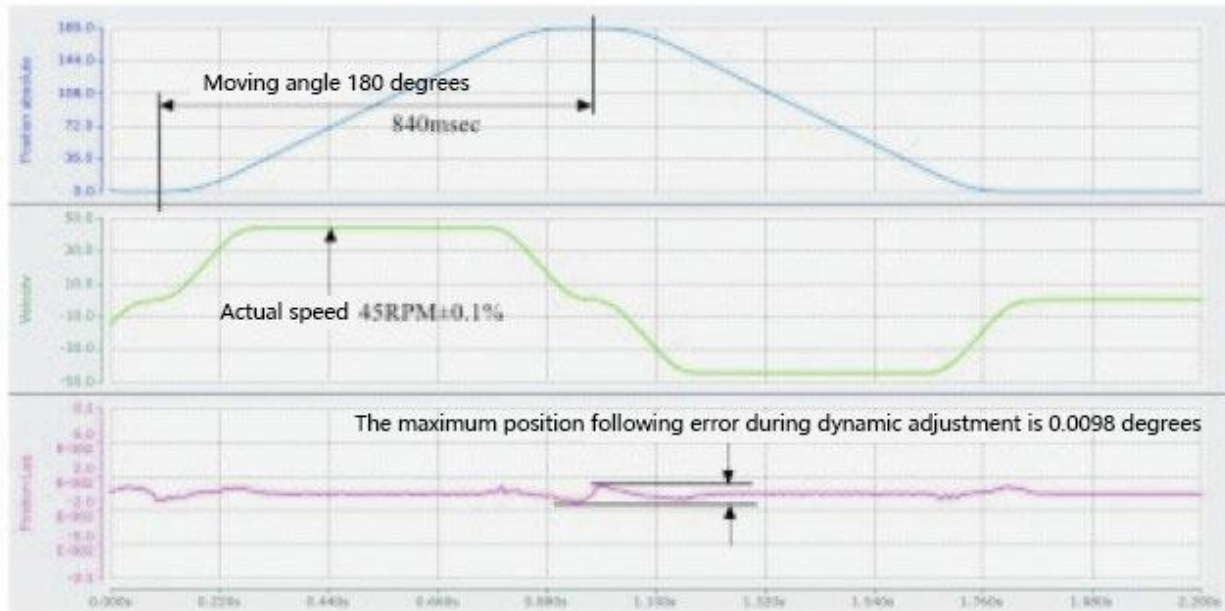
Leader Harmonious Drive Systems Co.,Ltd

4th Axis NC Rotary Table
Product Introduction Manual





Absolute Positioning Accuracy Curve



Fast Dynamic Response Performance

Order Number

KCR	-	250	F	F	C	N
	①		②	③	④	⑤

① Model

Model	Disk Diameter (mm)	Center Height of Disk (mm)
KCR-170	170	135
KCR-200	200	135
KCR-250	250	160
KCR-320	320	210

② Structure Type

F : 4th Axis Standard Structure

③ CNC System

F : FANUC

M : Mitsubishi CNC

S : Siemens CNC

④ Version Number

C : Default Parameters

⑤ Additional Conditions

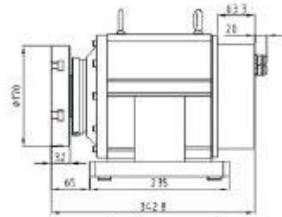
N : Default None



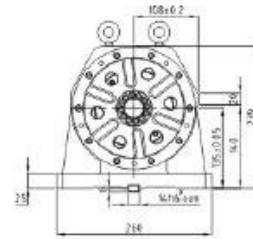
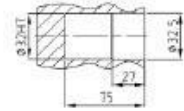
KCR Series NC Rotary Table Specifications

Model	Unit	KCR-170	KCR-250	KCR-320
Disk Diameter	mm	Φ170/Φ200	Φ250	Φ320
Disk Center Hole Diameter	mm	Φ32.5	Φ38.5	Φ65.5
Inner Hole Diameter of Spindle Sleeve	mm	Φ32H7	Φ38H7	Φ65H7
Center Height	mm	135	160	210
T-Slot Width	mm	12H7	12H7	14H7
Bottom Guide Key Width	mm	14h6	18h6	18h6
Transfer Method	/	Strain Wave Gears	Strain Wave Gears	Strain Wave Gears
Transmission Efficiency	/	75%~80%	75%~80%	75%~80%
Cooling Method	--	Natural Cooling	Natural Cooling	Natural Cooling
Minimum Angle Setting	deg.	0.001	0.001	0.001
Segmentation Accuracy	sec.	10	10	10
Repeatability	sec.	4	4	4
Power-Off Locking Method	/	Electromagnetic power failure brake	Electromagnetic power failure brake	Electromagnetic power failure brake
Power-Off Locking Torque	N·m	350	650	1300
Reduction Ratio	/	1:121	1:121	1:121
Maximum Speed of Worktable	RPM	50	50	50
Allowable Load Inertia Capacity	kg·m ²	48	98	362
Maximum allowable workpiece weight (dynamic)	Cantilever	kg	145	380
	Use Tailstock	kg	290	760
Maximum allowable external load (when enabled)	Vertical radial moment	N·m	920	6250
	Tangential moment	N·m	267	1470
Allowable Cutting Torque	N·m	250	500	1200
Turntable Weight	kg	52	83	160

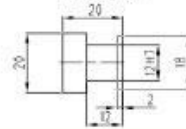
KCR-170



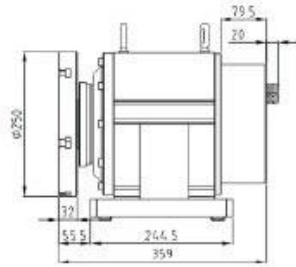
Schematic diagram of center hole/mandrel sleeve



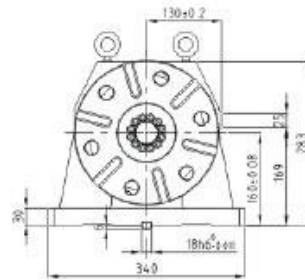
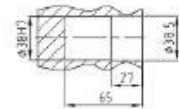
T-slot size



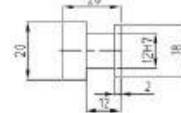
KCR-250



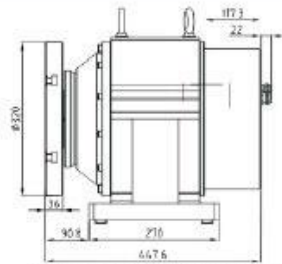
Schematic diagram of center hole/mandrel sleeve



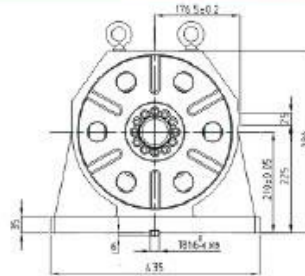
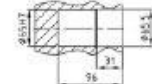
T-slot size



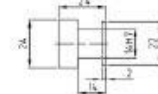
KCR-320



Schematic diagram of center hole/mandrel sleeve



T-slot size



Processing Case

