

双摆转台五轴加工中心系列主要技术参数

机床型号 技术参数		XKR25	XKR32	XKR50	XKR63	XKR400
Work Table	WorkTableDia. mm	φ250	φ320	φ500	φ630	φ400
	Distance from table to spindle end mm	140-460	140-460	150-700	150-700	
Travel	X axis mm	520	520	650	650	
	Y axis mm	260	260	650	650	
	Z axis mm	320	320	550	550	630
	A axis	-10°+100°	-10°+100°	-110°/+30°	-110°/+30°	
	C axis	360°	360°	360°	360°	360°
Speed	X,Y,Z axis m/min	20	20	30	30	0.001mm
	A axis r/min	25	15	25	25	
	C axis r/min	35	20	35	35	45
resolution ratio	X/Y/Z axis mm	0.001	0.001	0.001	0.001	B axis 0.001°
	A/C axis	0.001°	0.001°	0.001°	0.001°	C axis 0.001°
Spindle	Spindle Speed r/min	18000	8000	37000	37000	12000
	Spindle motor power kW	18	18	11	11	12
	Spindle Taper	HSK50E	BT30	HSK40E	HSK40E	
Tool Magazine	Tool magazine capacity	16	16	24	24	16
	Max. Tool Dia. mm	Φ63	Φ63	Φ20	Φ20	Φ80 /150
	Max. Tool Length mm	175	175	180	180	180

Working Environment	Electric Power	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz	three phase current 380V (1±10%) 50Hz	
	Full load current A	200	200	200	200	180	
	Compress air Pressure mpa	0.55~0.6	0.55~0.6	0.55~0.6	0.55~0.6	0.55~0.6	
Overall Size mm		2200×2600 ×2800	2200×2700 ×2800	2750×2800×3500	2750×2800×3500	3080×3520×2800	
Net weight Kg		5000	5000	13000	13000	8000	
Occupation Dimension mm		4200×4600 ×2800	4200×4700 ×2800	4750×4800×3500	4750×4800×3500	4600×4500	
numerical control system		SIEMENS 840	SIEMENS \FANUC\产 数（选配）	HEIDENHAIN iTNC530	HEIDENHAIN iTNC530		

Structure:

Series XKR is a 5-axis CNC vertical machining center with dual-swing turning table. It features tools motion system with the three linear shafts on the rear of machine .The three linear shafts can be designed with closed-loop control that is optional for customers. In the foreside of the machine is cradle-type dual-swing turning table(A,C-axis)directly driven by torque motor. The direct drive can increase responding speed of the revolving shafts, improve processing speed, realize high speed and efficiency.

Features:

The two revolving shafts are driven by torque motor ,which can not only eliminate transmission error ,vibration of transmission pair ,precision reduction caused by mechanical transmission avrasion ,but also largely improve the positioning precision and decrease noise. To reduce abrasion is resulting in increasing stability of precision.

Application:

Series XKR mainly used for the high-efficient 5-axis machining for turbine wheels, small-sized dies , special small boxes and other complicated spare parts , which is the necessary equipment in aviation ,autos ,dies industries. The machine is the 5-axis CNC machine tool with the most advanced technology.