

5-AXIS MACHINING AT ITS BEST: PRECISION YOU CAN RELY ON



**Performance 5 Axis
Universal Milling**

Key Features

- Simultaneous 5-Axis Machining
- High-Speed, High-Precision
- Dual Direct Drive 5-axis Rotary
- Robust Build and Thermal Stability
- Advanced Control System
- Excellent Chip Management System

Industries

-  Automotive
-  Aerospace
-  General Engineering
-  Medical & more...

Technical Specifications

	Description	Unit	PUM 300	PUM 400	PUM 500	PUM 700
Table	Table Dia	mm	300	400	500	700
	Rotary Table 5-axis	type	Double Direct Drive	Double Direct Drive	Double Direct Drive	Double Direct Drive
	Max. Load Capacity	kg	100	150	300	850
	Table Tilting Angle	deg	± 110	± 110	± 110	± 110
	Spindle Nose to Rotary Tabletop	mm	120 – 470	120 – 570	120 – 570	120 – 720
Spindle	Spindle Taper	type	HSK-A50	HSK-A63	HSK A-63	HSK A-63
	Spindle Speed	rpm	20,000	18,000	18,000	18,000
	Spindle Driving Method	type	Built-In	Built-In	Built-In	Built-In
	Main Spindle Power Output	kw	11	20	20	30
	Max. Spindle Torque	nm	69.4	31	31	105
Feed	Travel (X/Y/Z)	mm	400 / 500 / 350	450 / 650 / 450	600 / 700 / 450	750 / 800 / 600
	Rapid Rate (X/Y/Z)	m/min	36 / 36 / 36	36 / 36 / 36	36 / 36 / 36	36 / 36 / 36
	Feed Rate (X/Y/Z)	m/min	12	15	15	15
	Guideways	type	Ball	Ball	Ball	Ball
ATC	Number of Tools	nos.	32	32	32	32
	Max. Tool Dia. (W.T / W.O)	mm	50 / 65	70 / 120	70 / 120	70 / 120
	Max. Tool Length	mm	100	300	300	300
	Max. Tool Weight	kg	3	8	8	8
Accuracy	Positioning (with scales)	mm	0.005	0.005	0.005	0.005
	Repeatability (with scales)	mm	0.003	0.003	0.003	0.003
	Rotary Indexing Accuracy (with Encoder)	arc sec	± 5"	± 5"	± 5"	± 5"
	Tilting Indexing Accuracy (with Encoder)	arc sec	4"	4"	4"	4"
Others	Air Consumption	bar	6	6	6	6
	Electric Power Supply	kva	26	30	35	35
Machine	Machine Dimensions	mm	1900 X 3000 X 2600	2200 X 3300 X 3000	2600 x 3600 x 3300	2800 x 3600 x 3,600
	Machine Weight	kg	6500	9000	13000	17000
Controller	15 Inch Screen	make	SYNTEC	SYNTEC	SYNTEC	SYNTEC

*Technical specifications and optional items may be subject to change without prior notice.

Standard Accessories

- Spindle Oil Chiller
 - Dual Direct Drive 5-axis Rotary
 - Linear Scales XYZ axis
 - Rotary Encoders A & C axis
 - Pretensioned Ballscrew on X/Y/Z axes
 - Automatic Tool Changer (Twin Arm Type): 32 tools
 - Spindle nose taper: HSK-A50 / HSK-A63
 - 15" LCD SYNTEC Controller
 - Manual Pulse Generator
 - Rigid Tapping
 - CF / USB interface
 - Auto Power OFF
 - Door Interlock
 - LED Machine Light
 - Auto Lubrication System (for slide way & ballscrew)
- Spindle Air Blast
 - Air Gun
 - Coolant Gun
 - Panel AC
 - Coolant Tank with Chip Tray & Pumps
 - Spindle Coolant Nozzles, Ring Spray
 - Fully Enclosed Splash Guard
 - Transformer



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