

WAIDA

Profile Grinder

SPG-X series



- New X series featuring significant improvements for each main unit
- New LED transmitted illumination included in standard configuration
- Linear motor up/down drive included in standard mass-production models**

Machine Standard Specifications

Projector			L type	R type
Effective screen size		500 x 500mm	●	●
Magnification		x20, x50	●	●
Lighting system	Transmission	LED	Standard	Standard
		High-brightness LED	OP	OP
	Reflection	Halogen 100V 500W	Standard	Standard
		High-brightness LED	OP	OP
		No halogen lighting	OP	OP
Work table			L type	R type
Size		600 X 180mm	●	●
Travel amount	U-axis	300mm	●	●
	W-axis	150mm	●	●
	Up & Down	150mm	●	●
Wheel Unit			L type	R type
Travel amount	X-axis	200mm	●	●
	Y-axis	170mm	●	●
Spindle	Small-diameter spindle	Wheel outer diameter: 60 to 90mm, Spindle speed: 3,000 to 20,000min ⁻¹	Standard	Standard
	Large-diameter spindle	Wheel outer diameter: 150 and 180mm, Spindle speed: 1,000~10,000min ⁻¹	OP	OP
Angle range	Front angle	-1° to +2°	Standard	Standard
		-1° to +20°	OP	OP
	Lateral angle	±3°	Standard	Standard
		±15°	OP	OP
	Horizontal swing angle	±15°	●	●
Up/down drive	Linear motor drive	Stroke: 0 to 300st/min, Stroke amount (Z-axis): 0, 5 to 160mm	●	Not available
	Reciprocating link drive	Stroke: 0, 30 to 400st/min, Stroke amount (Z-axis): 0, 5 to 110mm	Not available	●
NC Standard Specifications			L type	R type
NC system		FANUC Series 32i Model B	●	●
Number of control axes	5 axes with CNC specifications (X, Y, U, W, Z)		●	Not available
	4 axes with CNC specifications (X, Y, U, W)		Not available	●
Number of simultaneous control axes		2 axes	●	●
Minimum setting unit	X / Y	0.0001mm	●	●
	U / W	0.0001mm	●	●
	Z (for L type)	0.0001mm	●	Not available
Minimum moving unit	X / Y	0.0001mm	●	●
	U / W	0.0002mm	●	●
Position detection	X / Y / U / W	Semi-closed loop	Standard	Standard
		Fully closed loop (0.1μm linear scale)	OP	OP
	Z (for L type)	Fully closed loop (0.1μm linear scale)	●	Not available
MDI & CRT	L and R types	8.4-inch color LCD monitor	●	●
	When SPG Lab installed	15-inch color LCD monitor	OP	OP
Machine Size			L type	R type
Width x Depth x Height		1,615 x 1,995 x 2,120mm	●	●
Weight		4,500kg	●	●
Others			L type	R type
Total electrical capacity		7kVA	●	●
Compressed air	Pressure	0.4MPa or more	●	Not available
		0.3MPa or more	Not available	●
	Capacity	100L/min (ANR)	●	●
Power supply		3-phase 200/220V (+10% -15%) 50/60Hz (±1Hz)	●	●

Cover

*1 L type only

Note

※This product may be regulated by the Foreign Exchange and Foreign Trade Control Law. Be sure to consult us before exporting the product to outside of Japan.
※Specifications in this catalog may be changed without notice due to improvement of the product.

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