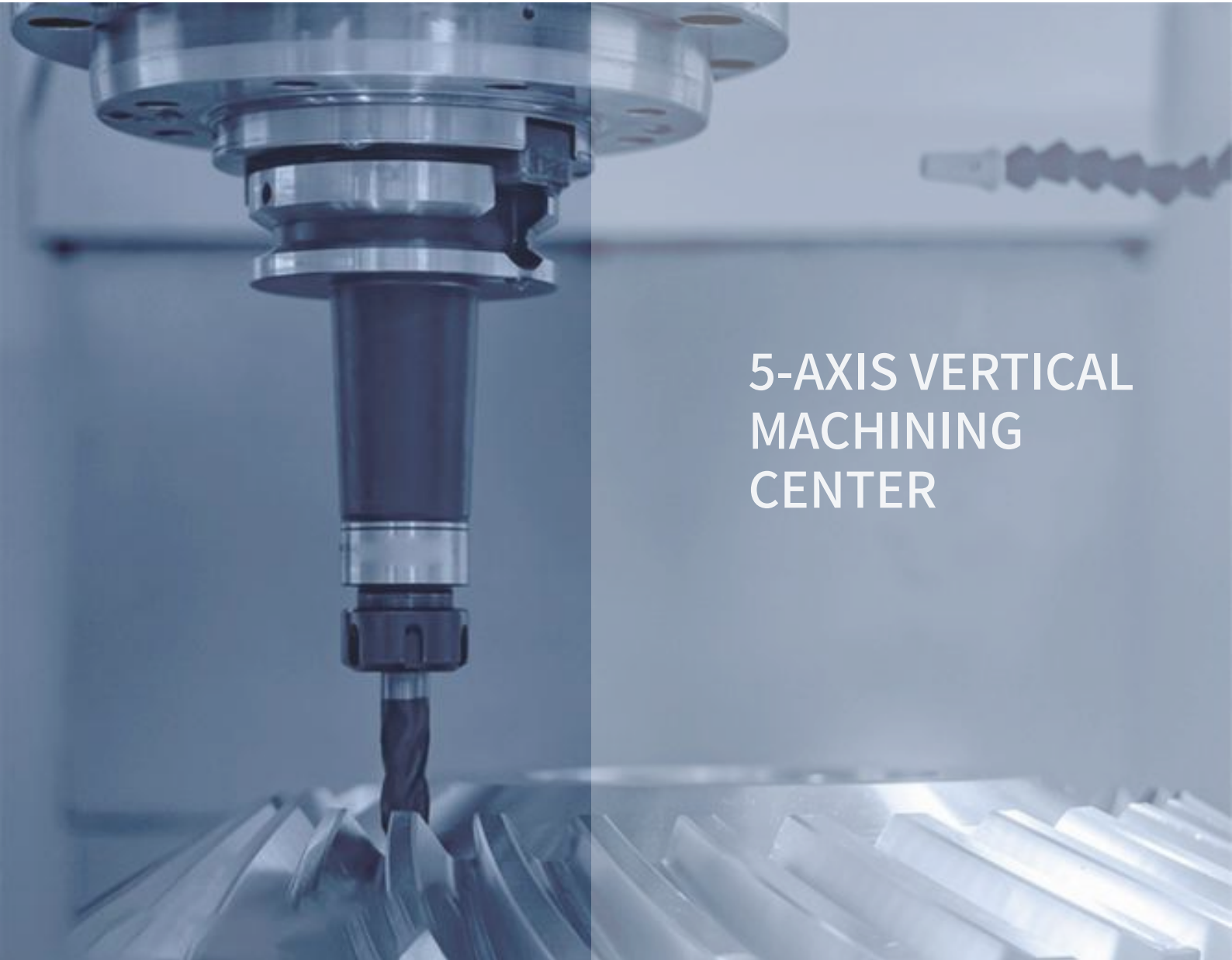


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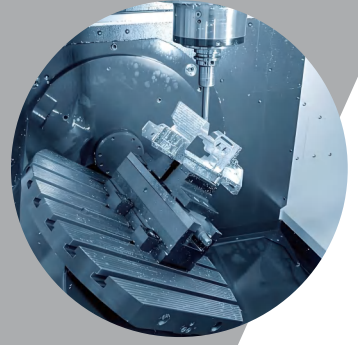
SGM100



5-AXIS VERTICAL
MACHINING
CENTER

SGM100

5-Axis Vertical Machining Center



SGM100 is a high-precision, high-speed five-axis machining center, a precision-type five-axis high-speed machine with a base and column cast using a mineral casting formula sourced from Germany. It excels at machining precision small parts, optical lenses, medical device parts, electronic parts, and precision mold accessories.



Parameters

SGM100	Item	Unit	Parameter	
Capacity	Table size	mm	Φ450*350	
	X-axis travel	mm	400	
	Y-axis travel	mm	300	
	Z-axis travel	mm	200	
	Spindle nose to table	mm	100-300	
X/Y/Z axis	Ball screw(X/Y/Z)	-	3205/3205/3205	
	Roller linear guide(X/Y/Z)	-	MSR30/MSR30/MSR30	
	Axis rapid traverse(X/Y/Z)	mm/min	15/15/15	
	Three-axis positioning accuracy (after compensation)	mm	≤0.005	
	Three-axis positioning repeatability (after compensation)	mm	≤0.003	
Torque motor 5-axis table	Plate diameter	mm	Φ125	
	T-shot	-	4*12H7	
	Max.loading	kg	30kg	
	Angle of rotation	Inclined axis	-	±110°
		Rotating axis	-	n*360°
	Rated speed	Inclined axis	rpm	200
		Rotating axis	rpm	200
	Maximum speed	Inclined axis	rpm	250
		Rotating axis	rpm	400
	Rated torque	Inclined axis	Nm	105
		Rotating axis	Nm	20
	Maximum torque	Inclined axis	Nm	332
		Rotating axis	Nm	112
Rated current	Inclined axis	A	8.5	
	Rotating axis	A	2.7	
Maximum current	Inclined axis	A	30	
	Rotating axis	A	13.6	
Spindle	Spindle model	-	HSK E40	
	Spindle motor	kw	7.5	
	Spindle torque	Nm	5	
	Spindle speed	rpm	30000	
	Spindle type	-	Motor spindle	
controller	SYNTEC (Optional: Siemens one / Fagor)	-	220MA-5	
Machine diemension	Voltage	KVA	10	
	Air pressure	kg/cm ²	6	
	Machine size (length* width* height)	mm	2180*1715*2210	
	Machine weight	kg	2800	