

SISTER

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**DOUBLE COLUMN HIGH SPEED
GRAPHITE MACHINING CENTER**

SD543G

CE

TUV Rheinland certified

SD-543G DOUBLE COLUMN HIGH SPEED GRAPHITE MACHINING CENTER

A high speed milling & dust solution integrating SISTER's graphite machine center integrated a low temperature high speed dry cutting with super-strong suction system , it's available in graphite material cutting.



- Two ways strong suction inlet with close an organ type stainless telescope ensuring the machine without the dust pollution during cutting.



- The filter paper with strong filter capability ensuring 99.9% dust filter out.

Feature :

- A dry cutting system make sure dust easy collection, Non-environment pollution problem.
- A strong negative dust suction system with close full guard to prevent dust leak-off and keep health of the operator.
- To installed the plus –minus device in the electric box preventing damage of electric system.
- High speed machine controller with high speed cutting function to keep face accuracy for the work-piece during cutting.
- All axes are completely covered with telescoping guide way, preventing damage to ball-screws.
- Air pulse-jet cartridge cleaning system.

Specification

	Item/model	unit	SISTER SD543G
CONTROL	CNC controller		INCON-M450
	Spindle motor	KW	4.6KW
	Motors on three axes	KW	1.5/1.5/1.5 with Break
	Taper of spindle		BT30
SPINDLE	Spindle drive		Built-in
	Spindle speed	RPM	24000
TABLE	Table size	mm	550*470
	T-slot(Width*No*Pitch)	mm	T14*100
	Table load	KG	200
TRAVEL	Travel for X*Y*Z axis	mm	500*400*300
	Distance from Spindle nose to work table	mm	150-450
	Center of spindle to z-axis slide-way	mm	245
	Distance of slide-way for X.Y.Z axis	mm	300/300/230
FEED RATE	Rapid feed rate	mm/min	15000
	Cutting feed rate	mm/min	15000
	Positioning / Repeatability accuracy	mm	± 0.005
	Circle cutting accuracy	mm	0.01
	Resolution	mm	0.001
TOOL	Max.tool length (Diameter)	mm	150 (40)
	Max.tool weight	KG	1.5
ATC	ATC tool magazine (arm-less type)	T	16
	Spindle coolant-power/oil capacity	Watt/Liter	220/2
	Auto.Lubrication	Watt/Liter	220/2
	Heating system	Watt	40
	Capacity of Cutting fluid box	Liter	120
	Compressor air supply	Kg/cm	6
	Power	KVA	10
MACHINE WEIGHT	Machine net weight	KG	3800
	Machine gross weight	KG	4200
	Packing size(L/W/H)	cm	180*200*240
	Floor Space of machine(L/W/H)	cm	200*250*260

• Specifications are subject to change without prior notice.

Dust suction specifiction

MOTOR	7.5HP TEFC
AIR FLOW	2500FT ³ /min
NEGATIVE PRESSURE	1.26in/H ₂ O
MAX.NEGATIVE PRESSURE	11.5in/H ₂ O
INLET	8"X2 holes
INCLUDING	ø325 mm x 600 mm
MACHINE FLOOR SPACE(L/W/H)	220 x 250 x260 cm
COLLECTOR FLOOR SPACE(L/W/H)	89 x 225 x210 cm

Standard accessories

- Air pulse-jet cartridge cleaning system
- Drum
- Filter gauge
- Control box
- Built-in silencer

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