

Sigma 8+

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		Sigma 8+	
Table & Travel	Table Size	mm	1000x550
	T Slot (No. x W x Pitch)	mm	5 x 18 x 100
	Max. Loading	kgs	600
	X Axis Travel	mm	850
	Y Axis Travel	mm	550
	Z Axis Travel	mm	600
	Spindle Nose to Table	mm	150-750
	Spindle center to column	mm	600
Feedrate	Rapid Feed	M/min	36 / 36 / 36
	Max. Cutting Feed	mm/min	12000
Spindle	Speed (Std.)	rpm	10,000
	Speed (Opt.)		12,000 / 15,000
	Spindle Taper		BBT40
	Power	Kw	10000rpm : 7.5 / 11 12000rpm : 7.5 / 11 15000rpm : 15 / 18
A.T.C.	Tool Shank		BT40
	Tool Capacity		24
	Max. Tool Length	mm	300
	Max. Tool Diameter	mm	80
	Max. Tool Weight	kgs	7
X/Y/Z Servo Motor	X / Y / Z	Kw	3 / 3 / 3
Positioning Accuracy		mm	0.005
Repeat Accuracy		mm	0.004
General	Width	mm	2250
	Depth	mm	2485+600 (Chip Conveyor)
	Height	mm	2750+150 (CTS)
	Machine Weight	kgs	6500

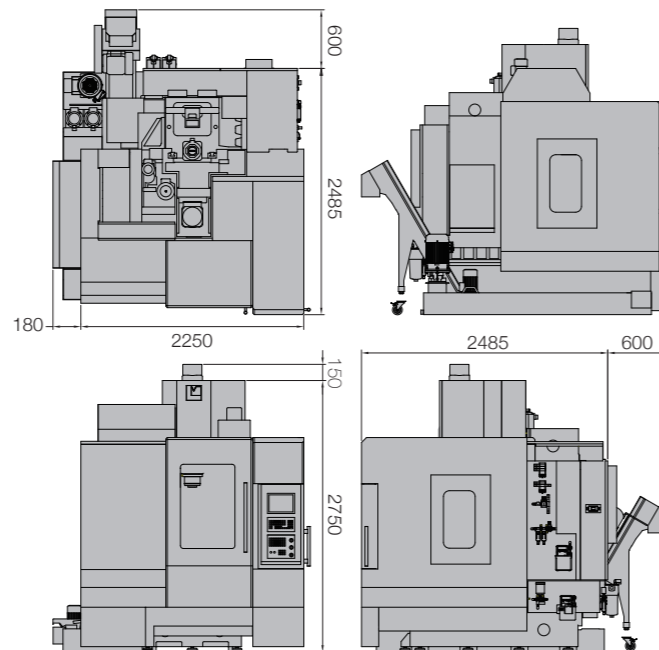
1. Please contact us for more detailed specification.
2. NUMEN owns the rights to modify the drawing and specification.

Standard

- Fanuc Oi-MF Plus Controller
- Alarm & Working Light
- 24T ARM Type ATC
- Spindle Oil Cooler
- Full Enclosed Guarding
- Heat Exchanger
- Auto Grease Lube System
- Screw Type Chip Conveyor

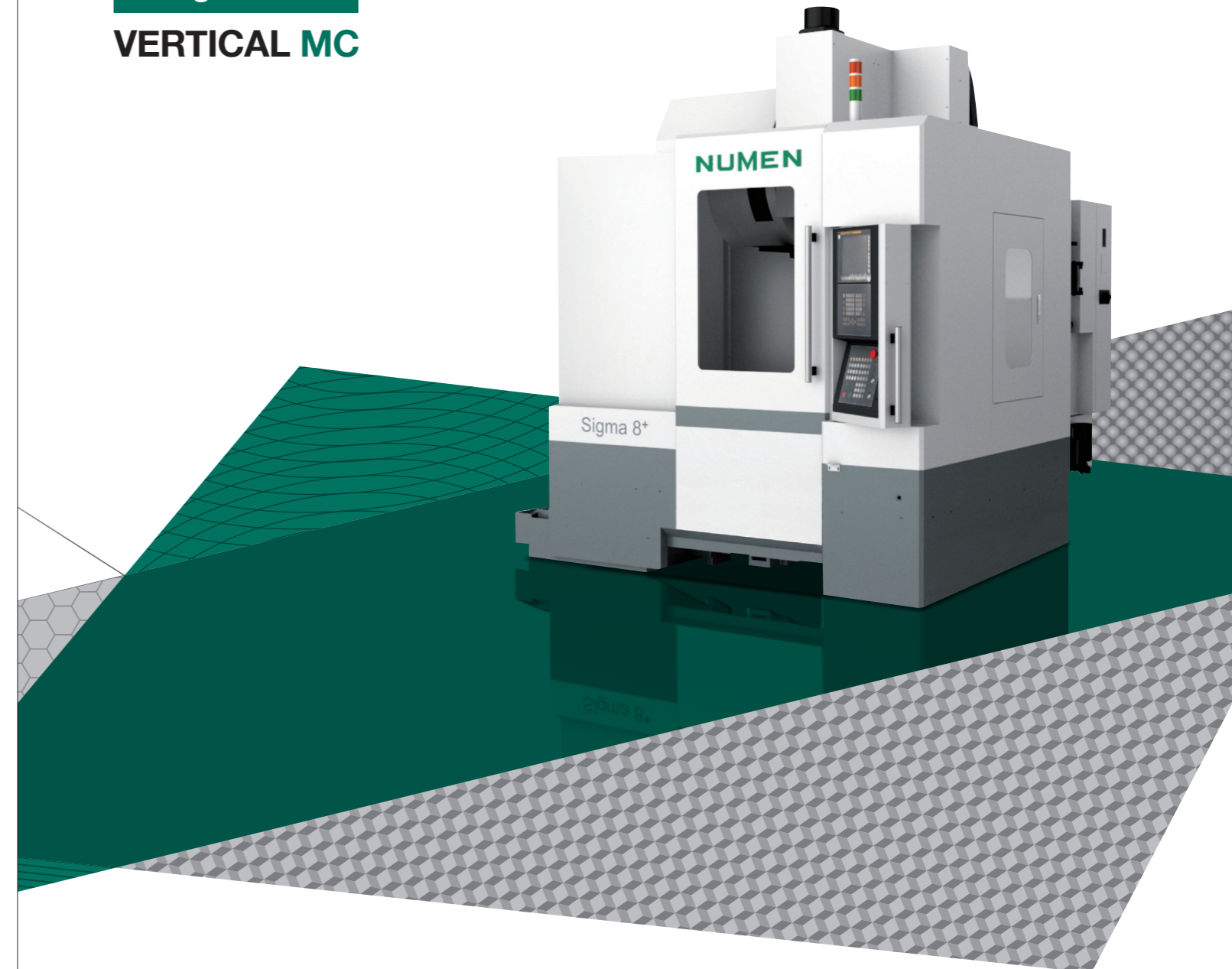
Option

- Tool Length Measurement System
- Coolant Through Spindle
- Laser Tool Length Measurement System
- Digital Read Out
- Probe System
- Oil Mist Collector
- Oil / Air Cutting Facility
- Chain Type Chip Conveyor



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Pursuing
Customer Satisfaction
Is My Responsibility.



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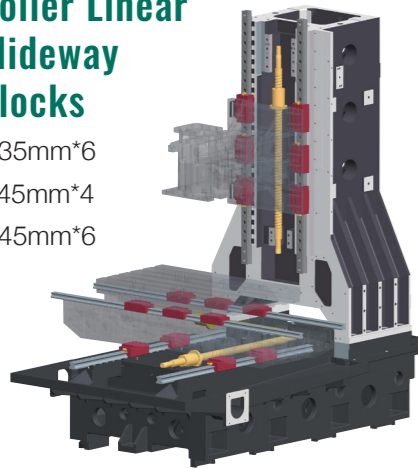
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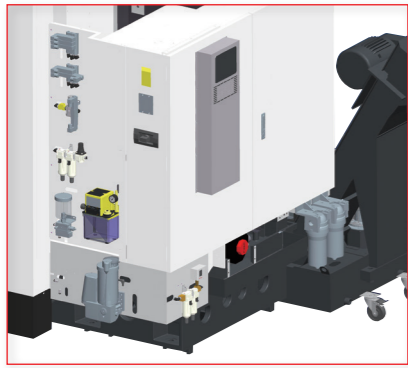
Roller Linear Slideway Blocks

X:35mm*6
Y:45mm*4
Z:45mm*6

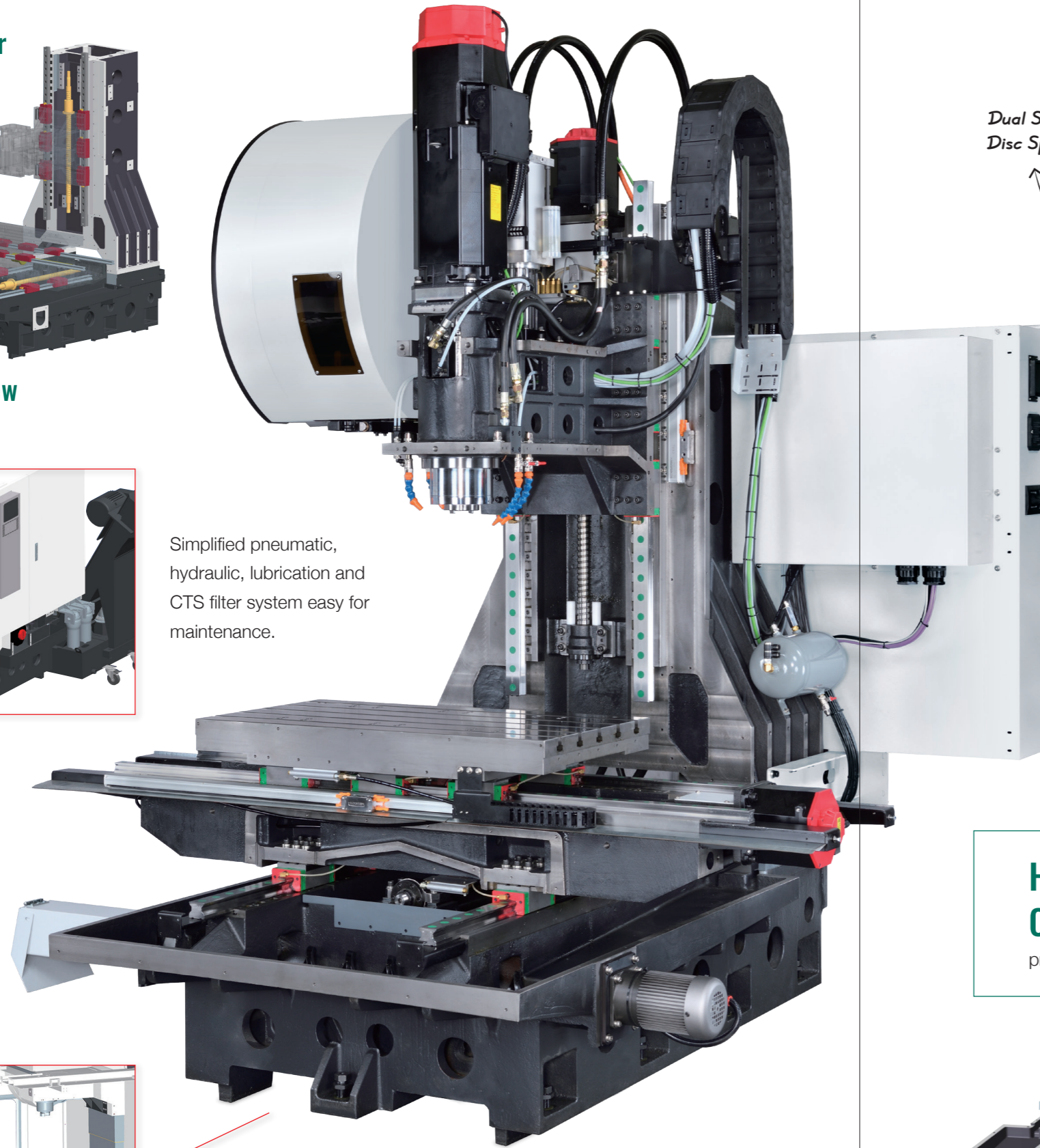


C3 Ball Screw

Dia. 40/40/40mm

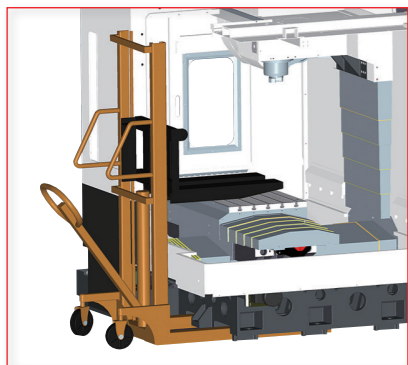


Simplified pneumatic, hydraulic, lubrication and CTS filter system easy for maintenance.

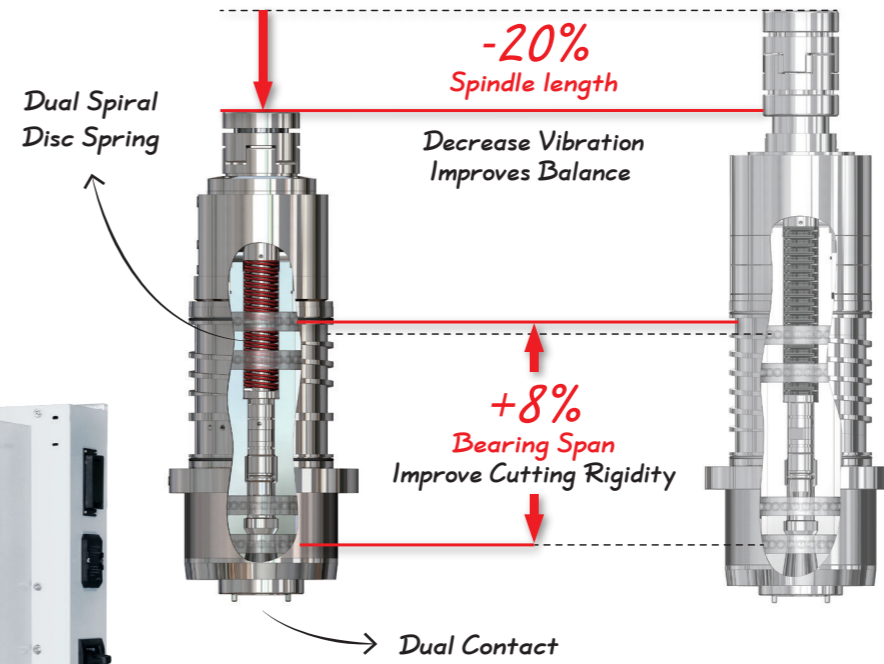


Load/Unload Workpiece

Machine base with space for hydraulic trolley to load/unload workpiece.



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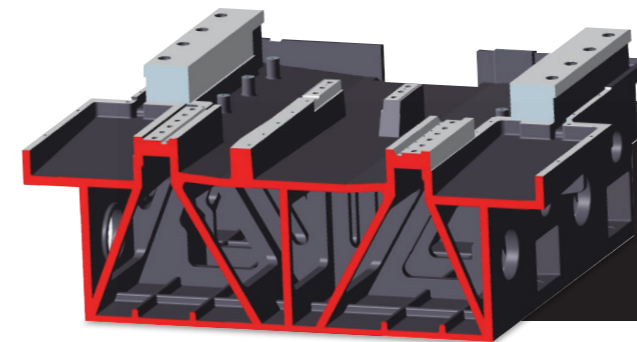
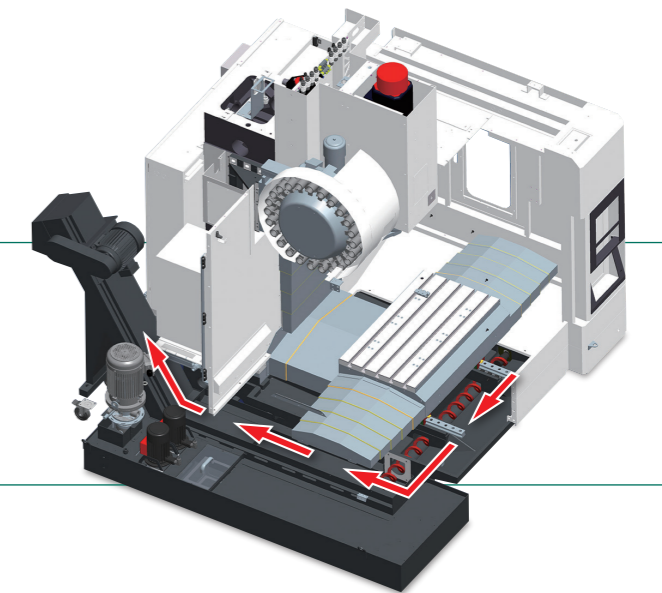
Spindle Advantage

- Spindle shorten by 20% and the bearing span lengthen by 8% compared with conventional spindles, decreases vibration and increases rigidity.
- Dual spiral disc spring shorten by 35%, which improves the dynamic balance and prolongs the life time by 80%.

- Dual contact improves heavy-duty cutting and increases the machining accuracy.
- Optimal oil/air lubrication system prolongs spindle life and reduces thermal expansion. Automatic adjustment oil/air supply to achieve energy saving.

High-pressure Chip Flushing System

provides effective chip removal



Double W base design

Z axis without counter weight, providing the best dynamic accuracy