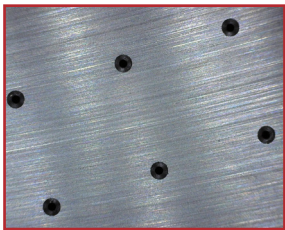


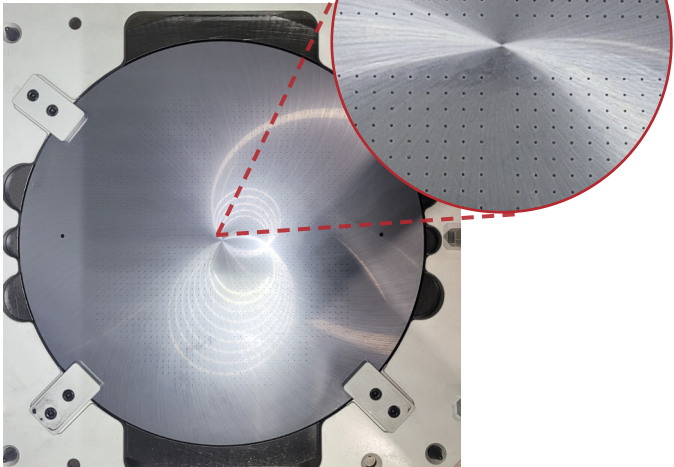
Work Sample & Machine Dimensions

Unit : mm (inch)

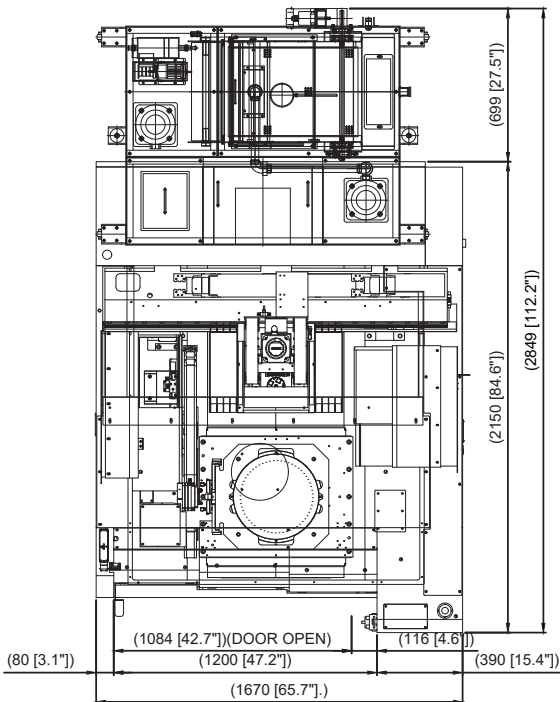
Work Sample



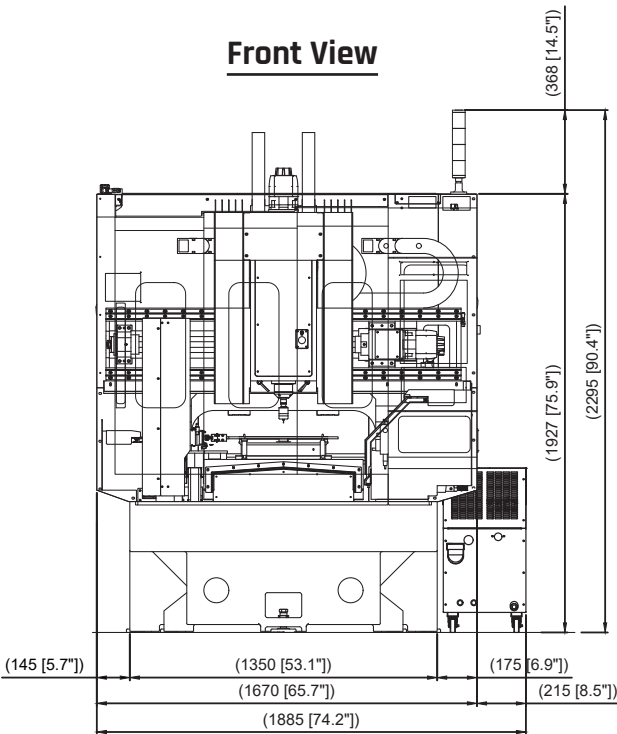
Material: Si (Silicon)
Diameter: 0.45mm
Depth: 11.9mm
Spindle speed: 14,000 RPM



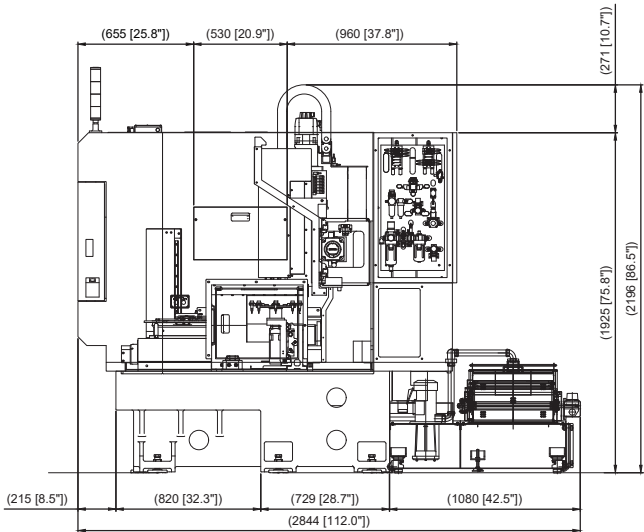
Top View



Front View



Side View



SMART
MACHINE TOOL

SMART Machine Tool Korea / R&D center / Factory
115-28, Techno valley 1-ro, Jillye-myeon, Gimhae-si,
Gyeongsangnam-do, Republic of Korea
TEL : +82-55-342-7972 FAX : +82-55-342-7970
E-mail : smtk@smtkor.com
www.smtkor.com

SMART Machine Tool America
N25W23287 Paul Rd, Pewaukee, WI 53072, USA
TEL : 1-855-637-3320
FAX : 1-262-521-1244
www.smartmachinetool.com

Best technology and know-how

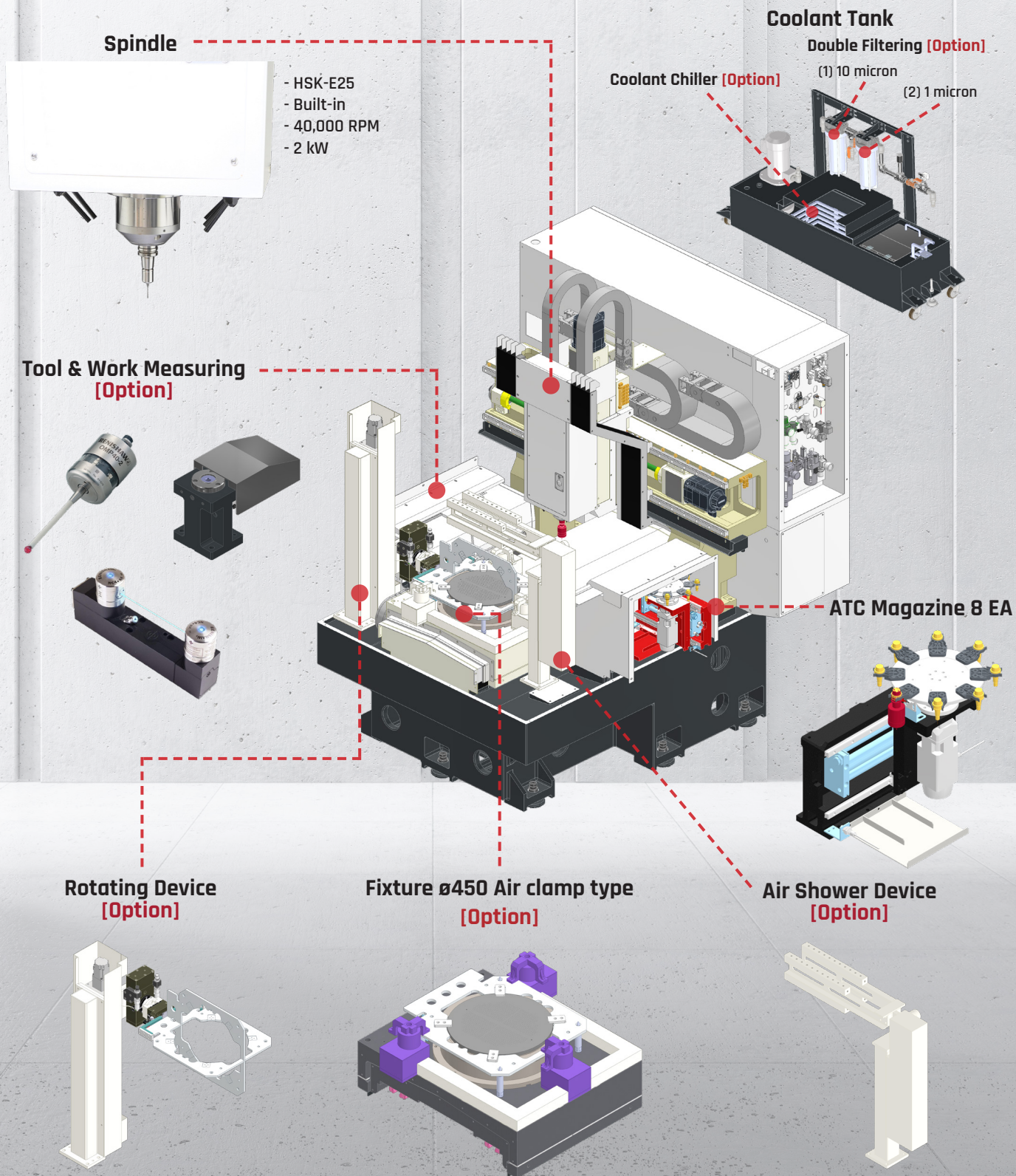
SMART
MACHINE TOOL

SMD 550 Series
High Speed Micro Drilling Machine



Components

High Speed and High Precision



I Machine Specifications

DESCRIPTION				SMD 550
FEED	Travel Distance	X axis	mm(inch)	820 (32.28)
		Y axis	mm(inch)	770 (30.31)
		Z axis	mm(inch)	200 (7.87)
	Rapid Traverse Rate	X axis	m/min(ipm)	30 (1,181)
		Y axis	m/min(ipm)	30 (1,181)
		Z axis	m/min(ipm)	15 (591)
	Distance From Spindle Nose to Table Top		mm(inch)	68 ~ 268 (2.68 ~ 10.55)
	Slide Type		-	LM Guide
TABLE	Table Size	mm(inch)	500 x 570 (19.69 x 22.44)	
	JIG & Fixture Size	mm(inch)	[ø450 (17.72)]	
	Clamp type	-	[3-point air]	
SPINDLE	Taper	-	HSK-E25	
	Max. Spindle Speed	rpm	40,000 [50,000 (air bearing)]	
	Spindle Output	kW(hp)	2 (2.7) [3 (4.08)]	
	Max. torque	N.m	0.96 (0.71) [0.72 (0.53)]	
	Spindle drive type	-	Built-in	
ATC	Tool Storage Capacity	ea	8	
	Tool-to-Tool	Sec	5	
POWER SUPPLY	Electric Power Supply	kVA	15	
MACHINE DIMENSION	Height	mm(inch)	2,350 (92.52)	
	Length x Width	mm(inch)	1,650 x 2,187 (64.96 x 86.1)	
	Weight	kg(lb)	4,000 (8,819)	
Control	NC System	-	Siemens 828D [Fanuc Oi-MF]	
	Screen size	inch	10.4"	

• Figures in inches are converted from metric measurements.
• Design and specifications are subject to change without notice.

[] : Option

STANDARD

- ATC Magazine 8 EA
- 1.5 bar coolant pump
- Work light LED
- 3-colour signal tower
- Door interlock
- Spindle water cooling system

OPTION

- Coolant filtration
- Coolant chiller
- Clamp fixture (air)
- Work rotation device
- Tool measuring device
- Work measuring device
- Linear scale
- Work air shower system