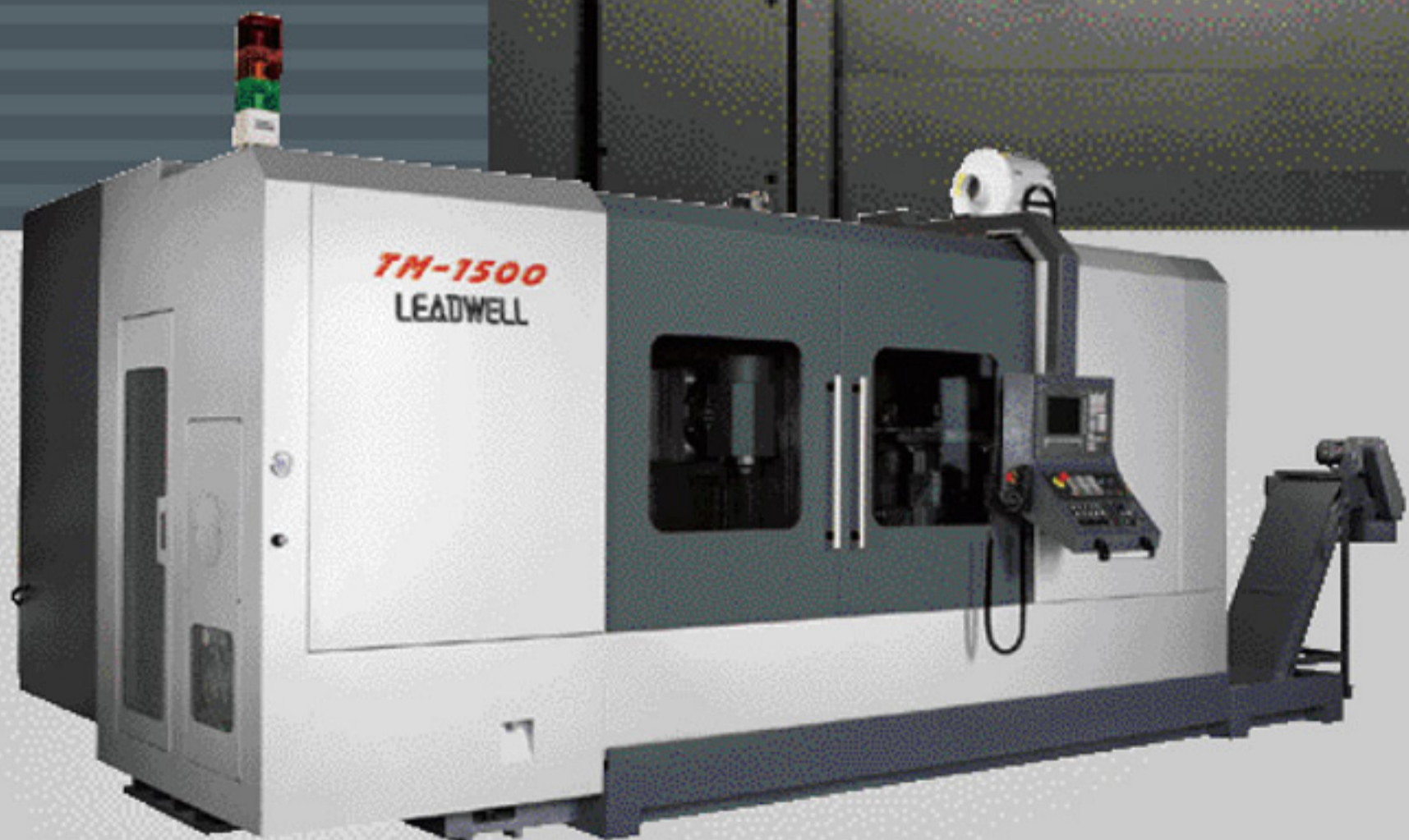


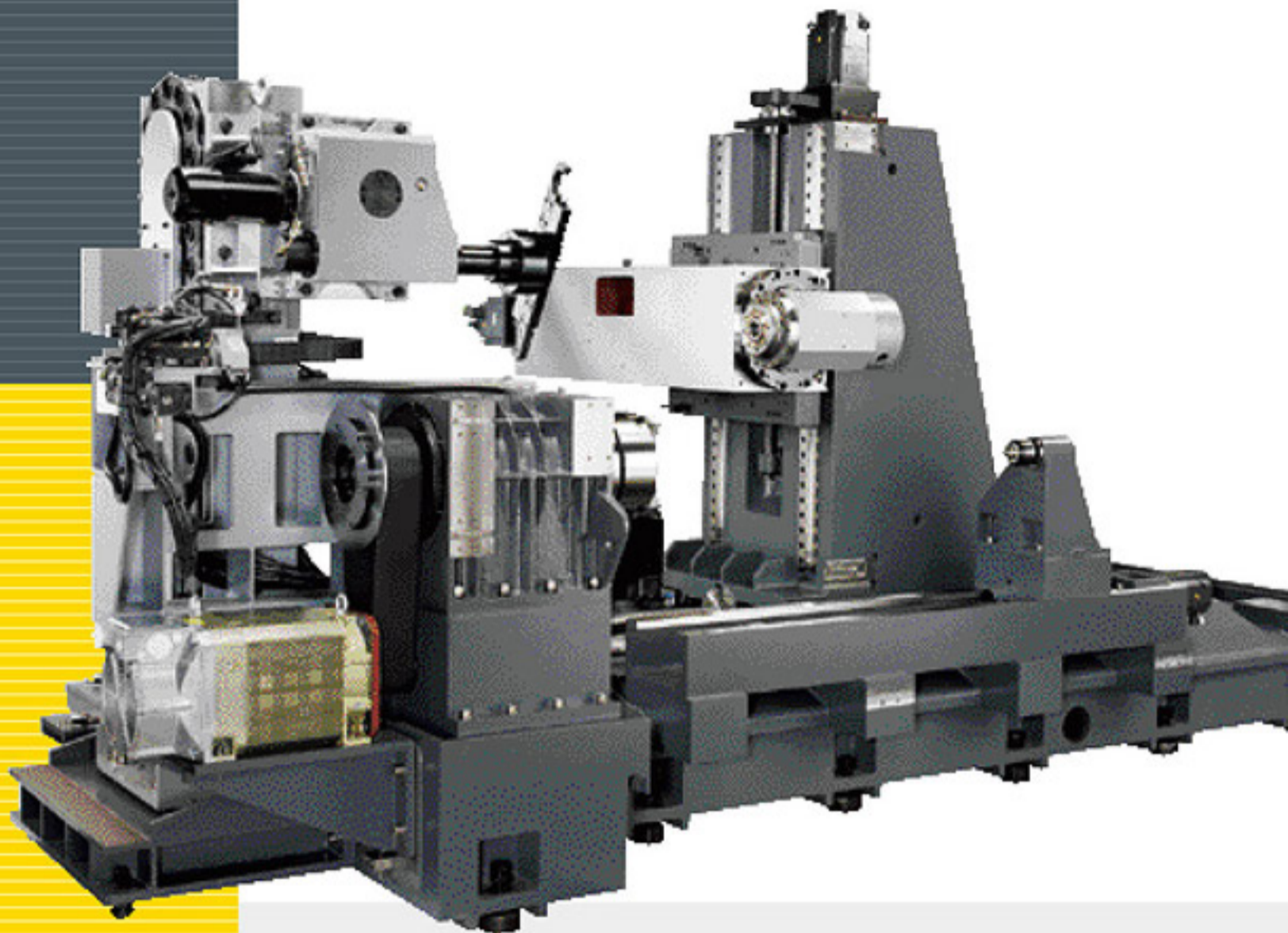
LEADWELL
LEADWELL CNC MACHINES MFG.,CORP.

TM-1500

Multi-tasking Machine



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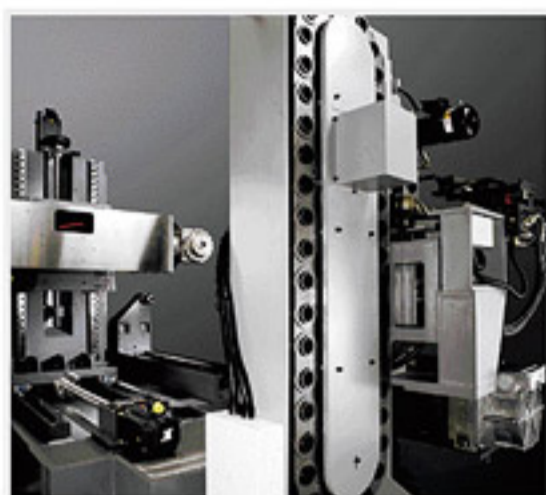
TM-1500

Multi-tasking Machine

The Feature of the TM-1500

- *The multi-function machine with B-axis can easy have bevel angle drilling and cutting work.*
- *The machine use special Electro Spindle, the spindle speed can reach 12000rpm and torque 103Nm, it is a special machine can do first mill and end mill in the same machine.*
- *The Y-axis design is perpendicular type, and match with our moving column machine structure, the Y-axis have complete movement. It will not have dead space for the travel. (Y-axis travel +/-220mm).(applying for patent now.)*
- *12" chuck (C-axis) + servo tailstock (M.T #5) + 40 tools ATC (Capto C6) + 1550mm Z-axis travel + B-axis (-10°~+230°)=Perfect machine.*

High Quality Assurance



• 40 Tool ATC



• SIEMENS 840D Control Type



-10°



45°



90°



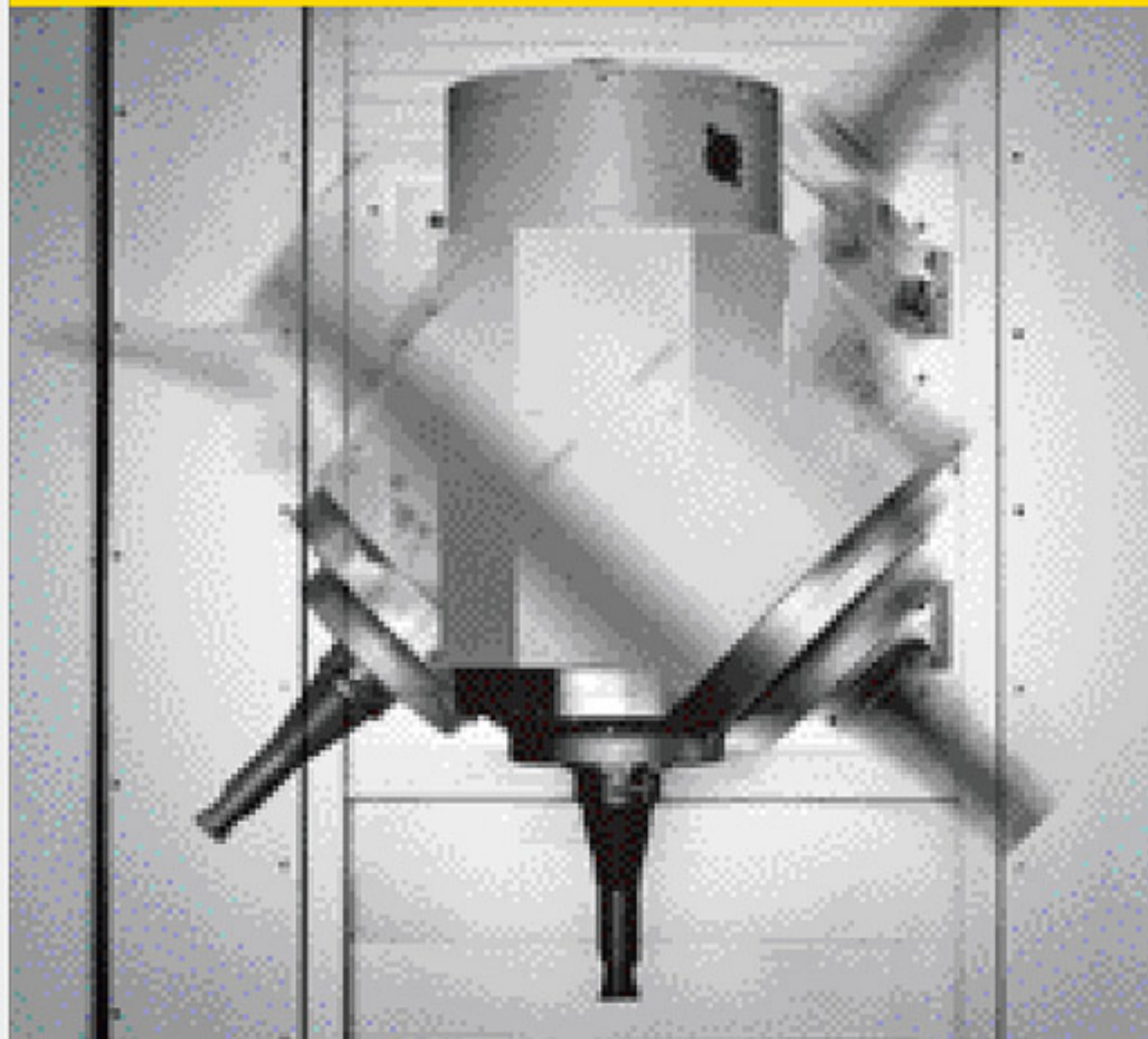
135°



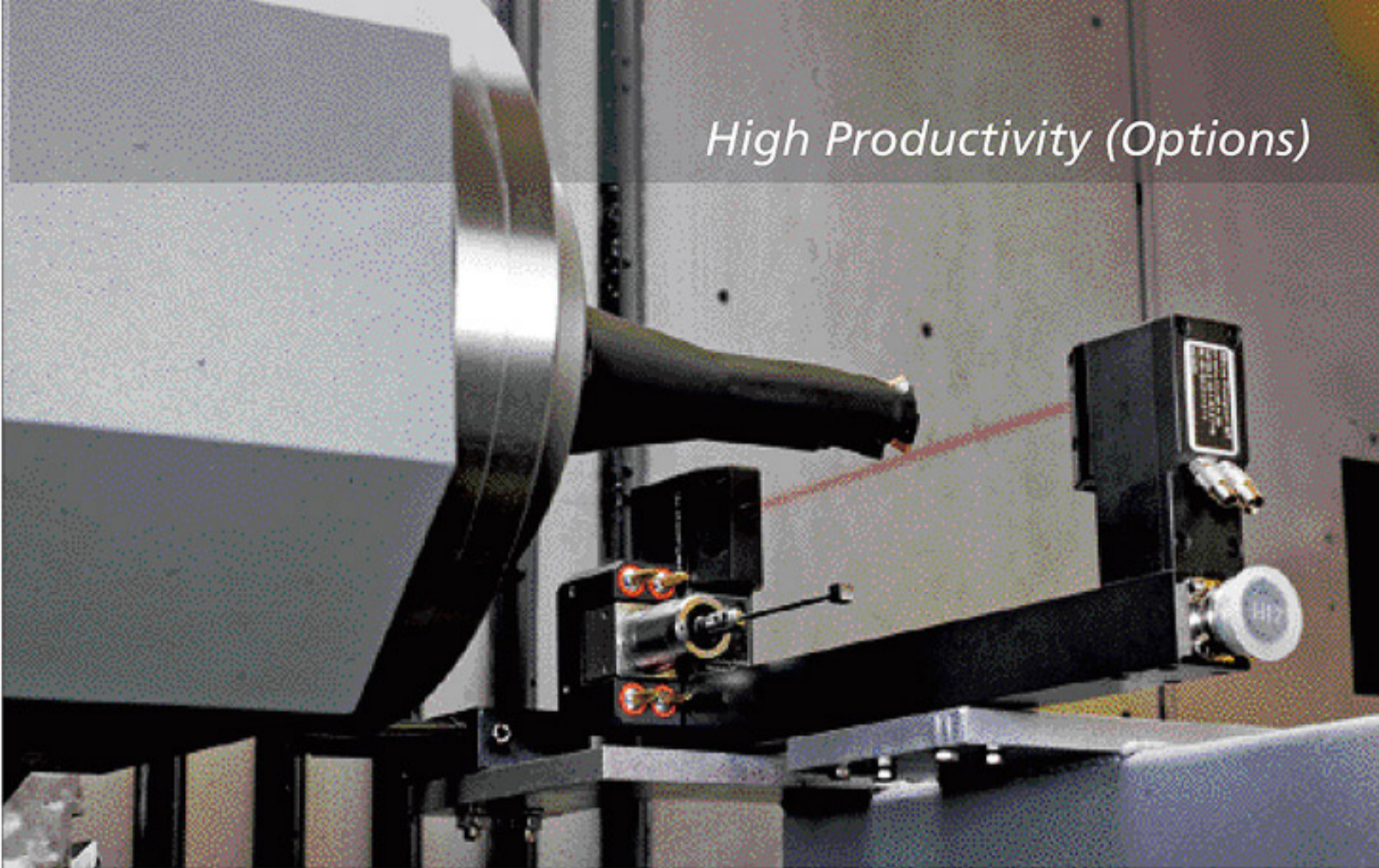
230°

■ B axis travel 240° (-10°~+230°)

- The B-axis is driven by DD build-in motor, the best torque is 1200Nm, and with curved coupling it can easy do a heavy cutting job shop work and also curved surface milling.



High Productivity (Options)



- Touch Sensor For Work Piece (option)



- Oil mist collector (option)



- Oil Skimmer (option)



- 70 Bar High Pressure Pump (option)



- Laser Carving & Heat Treatment (option)



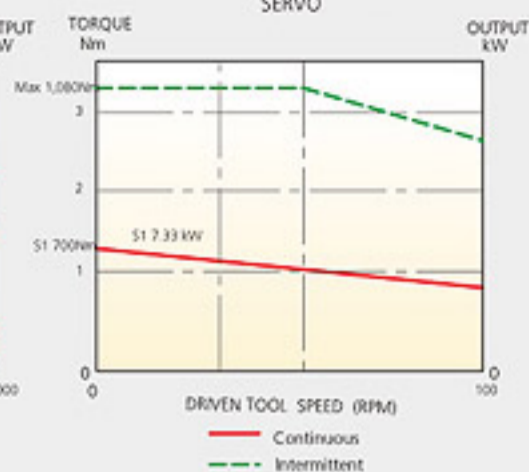
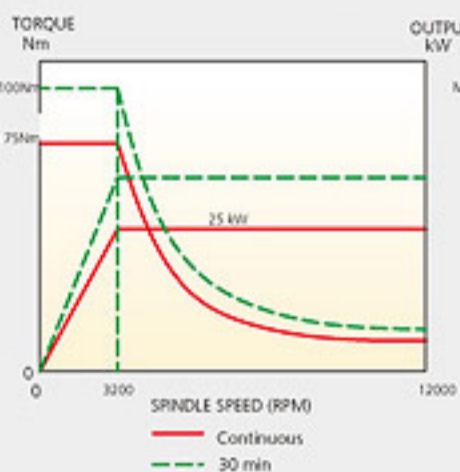
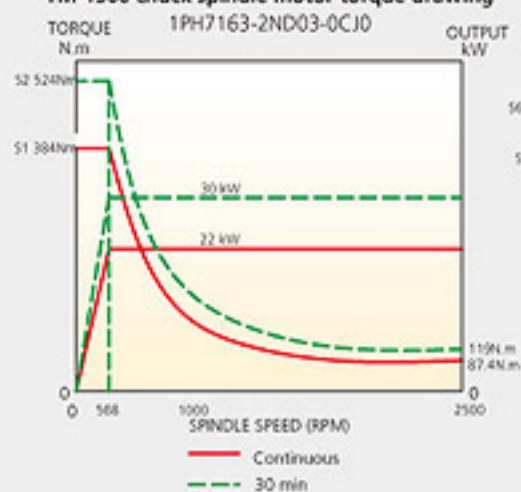
- Automatic Tool Measurement (option)

SPINDLE SPEED / OUTPUT DIAGRAM

TM-1500 chuck spindle motor torque drawing

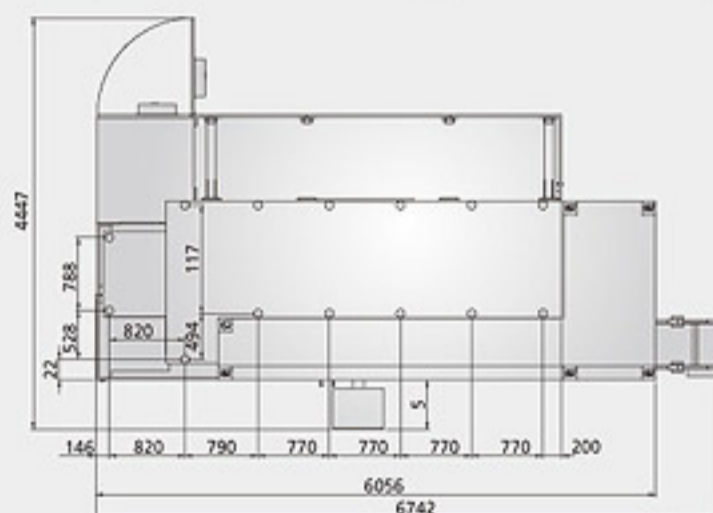
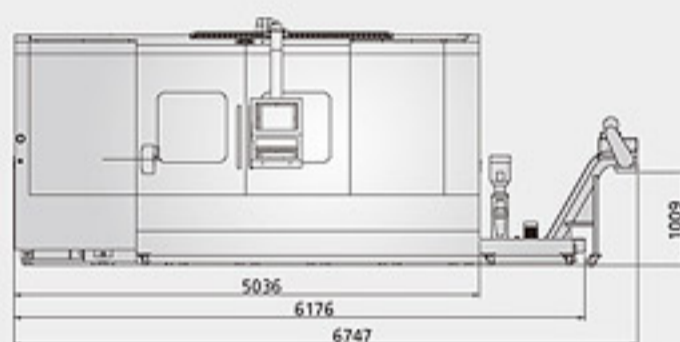
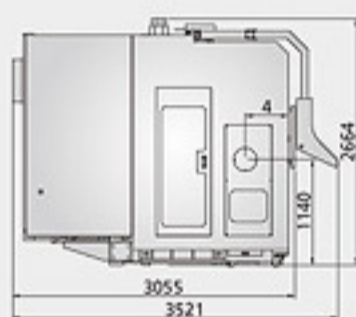
TM-1500 electrospindle motor torque drawing

TM-1500 tablemotor torque drawing



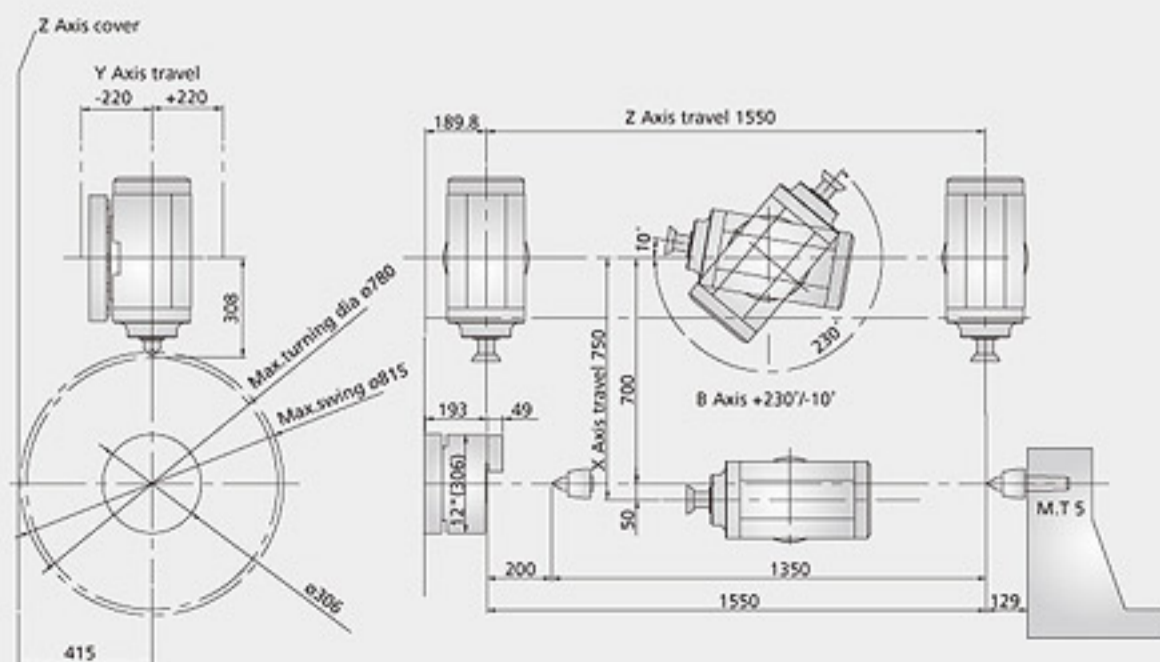
MACHINE DIMENSIONS

Unit:mm



WORKING CAPACITY

Unit:mm



MACHINE SPECIFICATIONS

ITEM	MODEL	TM-1500
CAPACITY		
	Unit	
Max. swing	mm(in)	ø815 (32)
Max. turning diameter	mm(in)	ø780 (30.7)
Max. turning length	mm(in)	1500 (59)
Bar capacity	mm(in)	ø85 (3.3)
TRAVEL		
X axis	mm(in)	700+50 (27.5+2)
Z axis	mm(in)	1550 (61)
Y axis	mm(in)	±220 (8.66)
B axis	mm(in)	240° (-10° ~ +230°)
CHUCK SPINDLE		
Spindle speed range	rpm	2500
Chuck size	in	12
Type of spindle nose		A2-8
Spindle motor power	KW(HP)	30 (40)
ELECTRO SPINDLE		
Spindle speeds	min ⁻¹	12,000
Spindle nose		Capto C6
Spindle motor power	KW(HP)	26 (34.8)
Max. spindle torque	Nm (ft.lbf)	103 (139.6)
B Axis		
Angular Stroke	Deg	240° (-10° ~ +230°)
Brake Clamping Angular	Deg	0.0001°
Max Torque Motor Torque (continuous)	Nm	1200
A.T.C		
Tool shank		Capto C6
Tool storage capacity		40
FEEDRATE		
X axis rapid traverse	mm(in)/min	15000 (590)
Z axis rapid traverse	mm(in)/min	30000 (1181)
Y axis rapid traverse	mm(in)/min	30000 (1181)
FEED MOTORS		
X axis motor	SIEMENS KW(HP)	5.37 (7.2)
Y axis motor	SIEMENS KW(HP)	5.37 (7.2)
Z axis motor	SIEMENS KW(HP)	5.37 (7.2)
TAILSTOCK		
Tailstock movement type		Servo
Quill inside taper	M.T	5
Max. thrust	kgf	750
MISCELLANEOUS		
Power supply	KVA	75
Mass of machine	kg	9500
Machine dimensions(L)	mm(in)	6750 (266)
Machine dimensions(W)	mm(in)	3522 (138.7)
Machine dimensions(H)	mm(in)	2666 (105)

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