

Multi-tasking Machine

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Multi-Tasking Machine

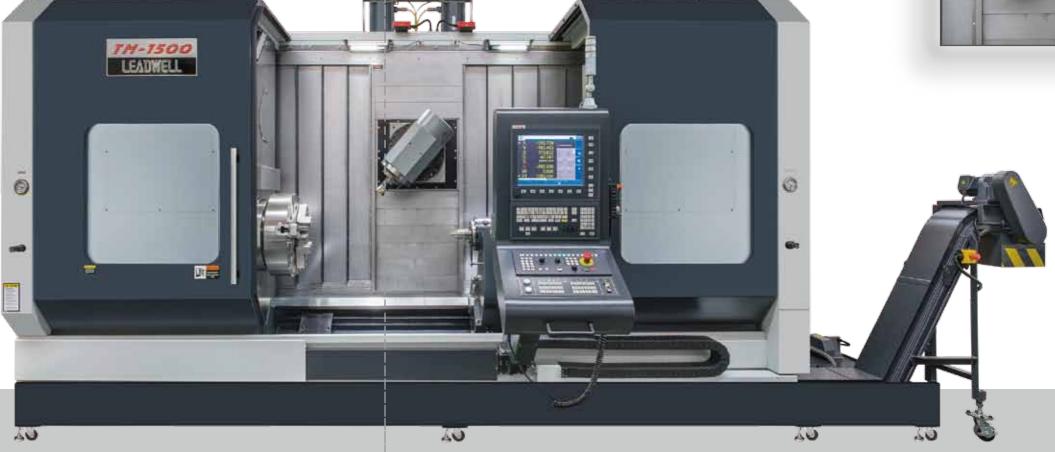
- 1. The multi-function machine with B-axis can have bevel angle drilling and cutting work easily.
- 2. The B-axis is driven by DD built-in motor, the best torque is 1200Nm, and with curved coupling it can easy do a heavy cutting job shop work and also curved surface milling.
- 3. The machine use special Electro Spindle, the spindle speed can reach 12000rpm and torque 103Nm, it is a special machine for rough and final cutting need.
- 4. The Y-axis design with orthogonal type is available for complete movement to match with our moving column machine structure.
- 5. 15"chuck (C-axis) + servo tailstock (build-in M.T #6) + 60 tools ATC (Capto C6) + 1550mm Z-axis travel + B-axis (-10°~+230°)=Perfect machine.



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5-axis Simultaneous Machining Without Dead Angle

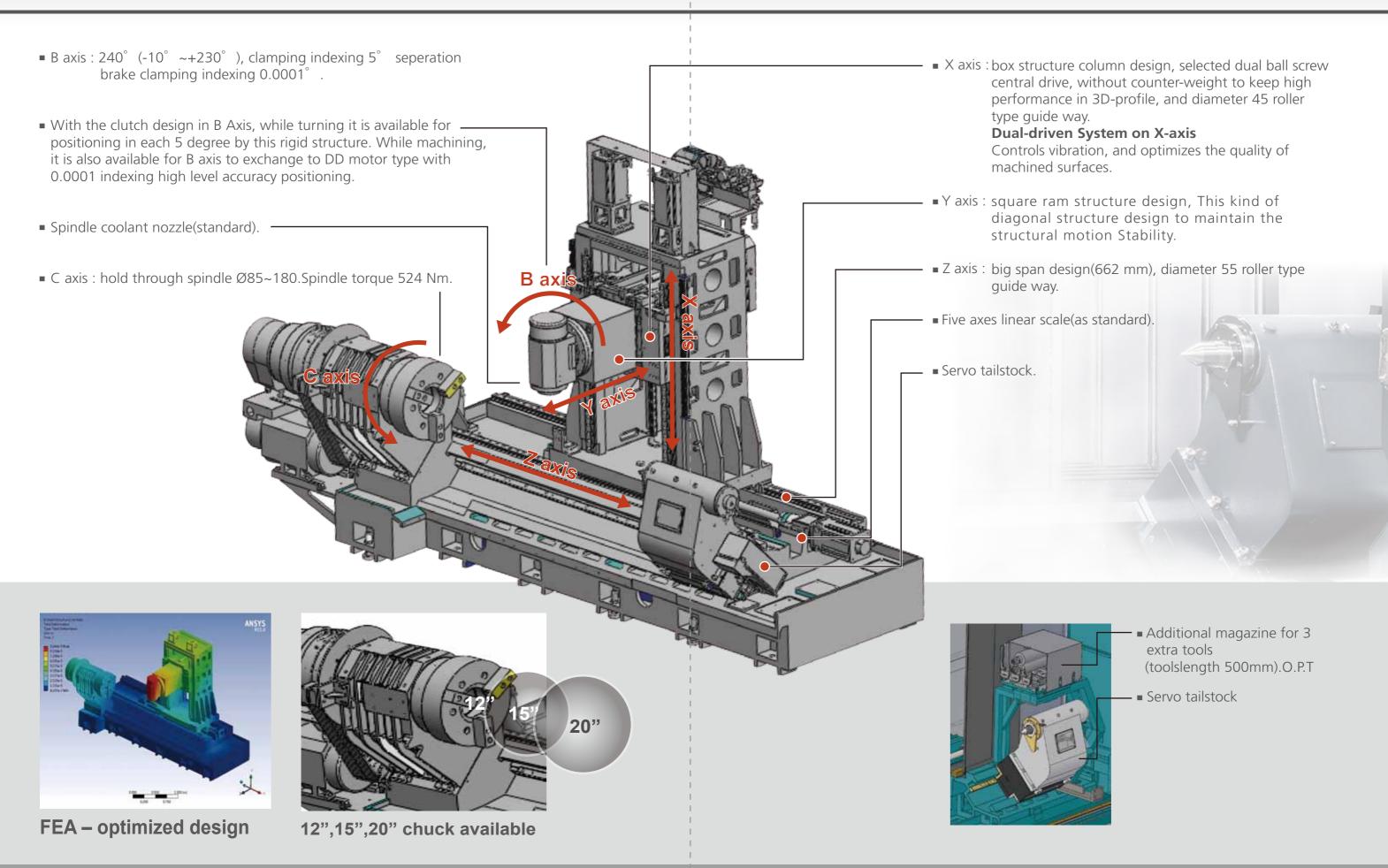


Test Workpiece for The 5-Axis Simultaneous Milling Machining

- Vertical tool orientation.
- The mating of the cylinder and the taper is carried out in the same direction, the machining of the taper groove in counter direction.



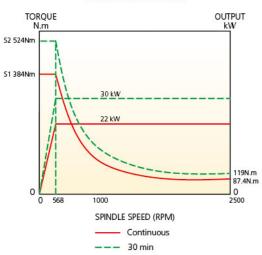
Multi-Tasking Machine



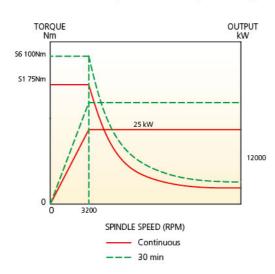
DIMENSION

SIEMENS

TM-1500 chuck spindle motor torque drawing 1PH7163-2ND03-0CJ0

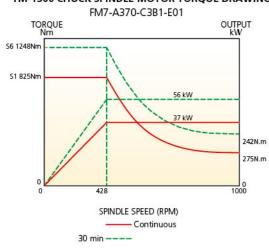


TM-1500 electrospindle motor torque drawing

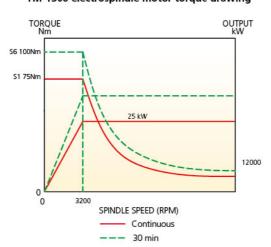


FAGOR

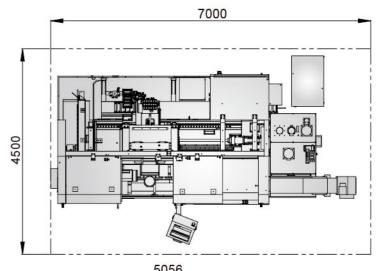
TM-1500 CHUCK SPINDLE MOTOR TORQUE DRAWING

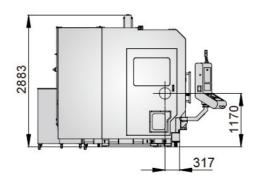


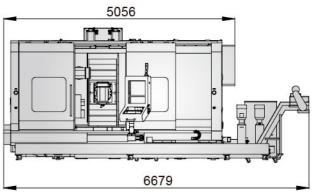
TM-1500 electrospindle motor torque drawing



OUTLINE



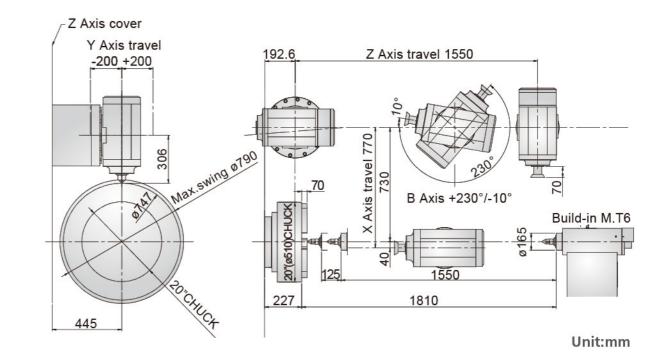




WORKING CAPACITY

Unit:mm

06



MACHINE ACCESSORIES

MEM MC	DEL	TM-1500
CAPACITY	Unit	FAGOR/SIEMENS
Max. swing	mm(in)	790 (31)
Max. turning diameter	mm(in)	ø780 (30.7)
Max. turning length	mm(in)	1500 (59)
Bar capacity	mm(in)	115 (4.5)
TRAVEL		
X axis	mm(in)	730+40 (28.7+1.57)
Z axis	mm(in)	1550 (61)
Y axis	mm(in)	±200 (7.87)
B axis	Deg	240°(-10°~+230°)
CHUCK SPINDLE		, ,
Spindle speed range	rpm	1500
Chuck size	in	15
Type of spindle nose		A2-11
Spindle motor power	KW(HP)	37~56(49-75)/30 (40)
ELECTRO SPINDLE	1000	0, 00(15,70)/00 (10/
Spindle speeds	min ⁻¹	12,000
Spindle nose	Tilli 2	Capto C6
Spindle motor power	KW(HP)	25 (33.5)
Max. spindle torque	Nm (ft.lbf)	75 S1/100 S6
B Axis	Titli (ICIDI)	75 51/ 150 50
Angular Stroke	Deg	240°(-10°~+230°)
Brake Clamping Angular	Deg	0.0001°
Max Torque Motor Torque (continuos)	Nm	1080
A.T.C	INIII	1000
Tool shank		Capto C6
Tool storage capacity FEEDRATE		60
	m /ft\ / min	20 (65 616)
X axis rapid traverse	m(ft)/min	20 (65.616)
Z axis rapid traverse	m(ft)/min	30 (98.425)
Y axis rapid traverse	m(ft)/min	20 (65.616)
FEED MOTORS	IAWI IDA	10 1/14 01/5 27 /7 01
X axis motor	KW(HP)	10.1(14.2)/5.37 (7.2)
Y axis motor	KW(HP)	10.1(14.2)/5.37 (7.2)
Z axis motor	KW(HP)	10.1(14.2)/5.37 (7.2)
TAILSTOCK		
Tailstock movement type		Servo
Quill inside taper	M.T	build-in M.T 6
Max. thrust	kgf	829
MISCELLANEOUS	12.0	
Power supply	KVA	75
Mass of machine	kg	18000
Floor space(L)	mm(in)	7000(275.6)
Floor space(W)	mm(in)	4500(177.2)
Machine dimensions(H)	mm(in)	2900 (114)





SIEMENS

FAGOR

Standard Accessories:

- 1. 15" Hydraulic Power Chuck.
- 2. Programmable Tailstock.
- 3. 20BAR CTS & Spindle Annular CoolantJet.
- 4. Oil Skimmer.
- 5. Siemens controller 840D.
- 6. Three Layers Alarm Lamp.
- 7. Chip Conveyor.
- 8. Spindle & Tailstock Foot Switch.
- 9. 60 ATC
- 10. Air Conditioner in Electrical Cabinet.
- 11. Linear Scale.
- 12. Chip Flushing Device.
- 13. Spindle Oil Chiller.

Optional Accessories:

- 1. Fagor Controller 8065T.
- 2. Oil Mist Collector.
- 3. Rotoclear system.
- 4. Automatic Workpiece Measurement.
- 5. Automatic Tool Setter.
- 6. Chip Bucket.
- 7. Manual Steady Rest($Max \psi 400$)
- 8. Hydraulic Steady Rest(Max ψ 300)
- 9. Sub Tool Magazine.(3 SET, Max:500L)
- 10. Transformer.

LEADWELL

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