



PRODUCTS

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HOME

© 2004 Tong-Tai Seiki, USA
157 Route 303, Suite 1
Valley Cottage, NY 10989

Phone: 845-267-5500

Fax: 845-267-5546

sales@tongtaiusa.com

TOPPER

HONOR

HORIZONTAL MACHINING CENTERS

40 taper 16" pallet | 40 taper 16" & 20" pallet | 50 taper 20" pallet | 50 taper 25" pallet

40 taper 16" pallet

- Massive Meehanite C.I. bed
- Direct coupling for servo motor and ball screw to enhance slide rigidity and cutting capability
- Rotary APC for quick pallet change
- Built in motor with oil jacket spindle cooler
- 30 tool ATC with T-T of 1.5 seconds
- X-Y-Z rapid traverse of 1890 ipm
- Centralized spiral auger for easy chip flow to the back
- Modified travels and ATC for 20" ~24" Aluminum wheel production
- Adaptable for production line operation



MA-400

		MA-400
Table	Pallet (in)	16 x 16
	Max. Load (lbs)	550
	B axis (deg)	1 (0.001 op)
Stroke	X/Y/Z (in)	20/20/20
Machining Cap.	Dia x Height (in)	20 x 25
	Rapid	X/Y/Z (ipm)
Spindle	Speed (rpm)	60~12000
	Type	Built-in
	HP	30
ATC	Capacity	30/40
	T-T (sec)	1.5
	C-C (sec)	4
APC	Type	2 pallet rotary
Machine	Weight (lbs)	14300
	Control	Fanuc 0iM/18iM

40 taper 16" & 20" pallet

TOPPER

- Massive Meehanite C.I. bed
- Big diameter, double lead and preloaded ball screws to enhance slide moving rigidity and greater cutting capacity
- Direct connect coupling for servo motor and ball screw to enhance slide rigidity
- Curvic coupling on pallet indexing ensures high accuracy
- Rotary APC for quick pallet change time
- 3 point bed support and level system
- 3 layer mechanical seal and air blow curtain design for front spindle bearing, to prevent coolant contamination
- Reinforced pull stud mechanism to increase accuracy and lifetime of spindle bearings
- 60 tool front mount ATC with synchronous auto door and changing arm for a T-T of 1.2 seconds
- Built-in spindle with external cooling
- 220 psi through the spindle coolant



HA-400

		HA-400	HA-500
Table	Pallet (in)	16 x 16	20 x 20
	Max. Load (lbs)	880	1100
	B axis (deg)	1 (0.001 op)	1 (0.001 op)
Stroke	X/Y/Z (in)	22/22/22	26.7/26.7/26.7
Machining Cap.	Dia x Height (in)	24 x 28	31.5 x 31.5
Rapid	X/Y/Z (ipm)	1575/1575/1575	1575/1575/1575
Spindle	Speed (rpm)	60~12000	60~12000
	Type	Built-in	Built-in
	HP	30	30
ATC	Capacity	60	60
	T-T (sec)	1.2	1.2
	C-C (sec)	4.5	4.5
APC	Type	2 pallet rotary	2 pallet rotary
Machine	Weight (lbs)	20,900	26,840
	Control	F-18iM	F-18iM

50 taper 20" pallet



- Massive Meehanite C.I. bed
- Big diameter, double lead and preloaded ball screws to enhance slide rigidity and greater cutting capacity
- Direct connect coupling for servo motor and ball screw to enhance slide rigidity
- Curvic coupling on pallet indexing ensures high accuracy
- Rotary APC for quick pallet change time
- 3 layer mechanical seal and air blow curtain design for front spindle bearing, to prevent coolant contamination
- 50 taper 50 tool ATC with max. tool weight of 44 lbs
- Reinforced pull stud mechanism to increase accuracy and lifetime of spindle bearings
- 10,000 rpm built-in spindle with external cooling
- 220 psi through the spindle coolant



HB-500

		HB-500
Table	Pallet (in)	20 x 20
	Max. Load (lbs)	1320
	B axis (deg)	0.001
Stroke	X/Y/Z (in)	31.5 x 27.5 x 27.5
Machining Cap.	Dia x Height (in)	35.4 x 35.4
Rapid	X/Y/Z (ipm)	1968 /1968/1968
Spindle	Speed (rpm)	60~10000
	Type	Built-in
	HP	30
ATC	Capacity	40
	Max. Tool Dia. (in)	5.2
	Max. Tool Lt. (in)	24
APC	Type	2 pallet rotary
Machine	Weight (lbs)	30,800
	Control	F-18iM

50 taper 25" pallet



- Massive Meehanite C.I. bed
- Big diameter, double lead and preloaded ball screws to enhance slide rigidity and greater cutting capacity
- Direct connect coupling for servo motor and ball screw to enhance slide rigidity
- Curvic coupling on pallet indexing ensures high accuracy
- Rotary APC for quick pallet change time
- 3 layer mechanical seal and air blow curtain design for front spindle bearing, to prevent coolant contamination
- 50 taper 50 tool ATC with max. tool weight of 44 lbs
- Reinforced pull stud mechanism to increase accuracy and lifetime of spindle bearings
- 10,000 rpm built-in spindle with external cooling
- 220 psi through the spindle coolant



HA-630

		HA-630
Table	Pallet (in)	25 x 25
	Max. Load (lbs)	2640
	B axis (deg)	0.001
Stroke	X/Y/Z (in)	39.3 x 33.4 x 35.4
Machining Cap.	Dia x Height (in)	39.3 x 43.3
Rapid	X/Y/Z (ipm)	1575/1575/1575
Spindle	Speed (rpm)	60~10000
	Type	Built-in
	HP	40
ATC	Capacity	50
	T - T (sec)	2.5
	C - C (sec)	6.5
APC	Type	2 pallet rotary
Machine	Weight (lbs)	37,000
	Control	F-18iM

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