

# KENT INDUSTRIAL (USA) INC.

## Compact Precision High Speed Horizontal Machining Center:



### QUICK SPECS:

- 7.5 HP (Peak) AC Digital Brushless Servo Spindle Motor, 30-Taper Spindle, 60-10000 RPM
- All AC Digital Brushless Servo Motors (X, Y, Z)
- 14" x 22" Table
- 17.7" x 13.8" x 13.8" Travels
- Anilam 6300i 3-axis CNC control
- Conversational, G-code, or CAM
- Up to 1180 ipm rapids; Accurate High Speed Machining Built in
- Compact x floor space

KENT USA JH-450 Horizontal Machining Center (Linear ways)

With Anilam 6300i CNC control (3-axis)  
With Programmable Spindle RPM and M-Function and Rigid Tapping  
With Spindle and Feed override on control  
With AC Digital Brushless Servo motors (axis and spindle)  
With Auto lubrication system and Halogen work light  
With Flood coolant (programmable M8) and Full enclosure  
With 20 tool arm type ATC (BT-30)

### ANILAM CNC OPTIONS:

Upgrade to 4<sup>th</sup> axis capable control (6400i)  
Rotary table and servo motor for 4<sup>th</sup> axis  
Upgrade to 12,000 RPM Spindle w/ spindle chiller

### MACHINE OPTIONS AND ACCESSORIES:

Upgrade to 20 tool arm-type ATC (BT-30 spindle) ..... Free!  
Thru-spindle high pressure/flow coolant system  
Chip Auger system  
Valenite Tooling Package 1000  
2 Day Start Up Training

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## OUTSTANDING FEATURES:

- 7.5 HP (peak) AC Digital Brushless Servo spindle motor
- 10 tool ATC (Optional 20 tool Arm type ATC with 1.8 sec. Tool change time available on #30 taper spindle type)
- Spindle rpm over-ride on control
- 60-10000 RPM without manual gear changes
- Fully ribbed massive cast iron frame for extra dampening during heavy cuts
- Direct coupled servo motors for ultra precision
- BT-30 taper spindle
- Precision linear ways on JH-450
- Full enclosure
- Auto lubrication unit with metered check valves
- Flood coolant with chip flush
- Halogen work light
- Ultra Precision ground ball screws
- Axis positioning accuracy +/- 0.0002"
- Axis repeatability +/- 0.0001"

## Other Models Available:

Shown Here:

JM-850

Anilam 6000

20 tool ATC

Shown Here:

JM-450

Anilam 6000

10 tool ATC



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## GENERAL SPECIFICATIONS: JH-450

MACHINE CAPACITY	Table size	14" x 22"
	Table travel (X-axis)	17.8"
	Saddle travel (Y-axis)	13.8"
	Column travel (Z-axis)	13.8"
	Spindle center to column	6.5" to 20"
	Spindle to table	1.4" to 15"
	T-slots (number x width)	3 x 0.5" (100 mm)
	Coolant pump	1/4 HP
MILLING HEAD	Spindle motor	7.5 HP Peak
	Spindle taper	BT-30 (CAT-40 optional)
	Speed range	60-10000 RPM (12000 rpm optional)
	Maximum work load	330 lbs (distributed)
Feed Motors	X Axis	1.3 Hp (1 kw)
	Y Axis	1.3 Hp (1 kw)
	Z Axis	1.3 Hp (1 kw)
Feed	Rapid travel (X,Y, & Z)	1180"/min (30 M/min) on JH-450
	Min. input increment	0.0001" (2 µm)
ATC	Tool holder	BT-30
	Tool Storage capacity	20(Arm type)
	Max. tool diameter	2.5" (63mm)
	Max. tool length	6" (150mm)
	Max. tool weight	6.6 lbs. (3 kg)
	Tool change time	6 sec.
WEIGHT	Net weight	4413 lbs
	Packing dimension	80" x 71" x 81"

\*\*\* Please note: All prices, features, and specifications are subject to change without prior notice.

POWER REQUIREMENTS: 220 volts, 60 Hz, 3-phase, 50 Amps (machine)  
 A step down transformer will be required for 440v  
 (Use a minimum 18.75 KVA transformer)

AIR SUPPLY REQUIREMENTS: sufficient air supply will be needed by ATC