

KENT USA KLM-300Y CNC Horizontal Turning Center



OUTSTANDING FEATURES:

High power spindle motor
High speed / high accuracy 12 station servo-mechanical turret
Powerful live/powered rotary tool turret for Y-axis machining
Fully enclosed way covers and enclosure
Induction hardened and precision ground box ways
Certified Meehanite machine casting for superior dampening and stability
High grade C3 precision ball screws and pretension for enhanced precision
Auto lubrication system metered check valves and piston distributor
Programmable hydraulic tail stock body and quill

GENERAL SPECIFICATIONS:

Specifications \ Model:	KLM-300Y
Controller type	Fanuc 0i-TF
Swing over bed	910 mm
Swing over saddle	720 mm
Maximum cutting diameter (main spindle)	428 mm (16.8")
Maximum cutting length	610 mm (24.0")
Spindle nose taper	A2-8
Power chuck diameter	10"
Spindle speed	3500 rpm
Spindle motor power	18.5 kW
Bar capacity	75 mm
Z-axis travel	750 mm
Y-axis travel	+/- 50 mm
X-axis travel	275 mm
Z-axis rapid feed rate	24 m/min
Y-axis rapid feed rate	10 m/min
X-axis rapid feed rate	20 m/min
Turret driven type	Servo-mechanical
Number of tool station	12
Square shank tooling size	25 mm
Round shank tooling size	40 mm
Rotary tool speed (max)	4000 rpm
Rotary tool power	4.5 kW
Tail stock body travel	540 mm
Quill travel	120 mm
Quill diameter	85 mm
Quill taper	MT 5
Quill control type	Hydraulic
Tail stock body positioning	Programmable
Dimension	3.2 x 2.0 x 2.1 m
Weight	6000 kg

STANDARD EQUIPMENT & ACCESSORIES:

Fanuc 0i-TF CNC control with 8.4" color LCD
Fanuc i-Series high torque spindle and axis motor with digital drive system
Fanuc Absolute Encoders – machine axis start up "Home" sequence not required
Fanuc Auto-Measure System (X and Z)
Fanuc Macro-B and High Speed Skip Function
Fanuc USB, PCMCIA, Ethernet and RS-232 ports
Fanuc Manual Guide 0i – computer assist programming
Fanuc 400 registered part program numbers and 640M part program memory
Swivel-Out control panel
Heat exchanger for electrical cabinet
Hydraulic power supply unit
Flood coolant system (4 bar)
Chain type chip conveyor and chip cart
Full enclosure and way covers
Automatic lubrication system
3 color stack indicator light
12 station heavy duty high precision servo turret
Programmable tail stock body and quill
Standard soft jaws 3 sets + hard jaws 1 set
Induction hardened and precision ground box ways
30° slant bed with one piece Meehanite® casting
C-3 grade high precision ball screws
OD tool holder 25 x 25 mm 2 set
Boring bar holder ø40 mm 3 sets
Boring bar socket ø40 mm 1 set with 10/12/16/20/25/32 mm
Operator and Maintenance/Parts manuals

KENT USA KLM-300Y CNC Horizontal Turning Center*(ASK TO YOUR SALES MAN)*

- Standard equipment and accessories
- Fanuc 0i-TF cnc control with 8.4" color LCD
- 10" 3-jaw hydraulic chuck with 75 mm bar capacity
- 12 station servo turret with powered rotary live tool
- Programmable hydraulic tail stock body and quill
- Coolant system and chain type chip conveyor with chip cart

OPTIONS AND ACCESSORIES(ASK TO YOUR SALES MAN)

Bar feeder (various sizes available base on application)
Bar feeder interface card with extra M-code (required for bar feeder)
Parts catcher option
Auto door option
Rotary tool holder (0 degree Radial)
Rotary tool holder (90 degree Axial)
Upgrade to Fanuc 10.4" color LCD with Manual Guide i
Renishaw HPRA tool setter
Renishaw HPPA tool setter
Oil mist collector
Oil coolant skimmer
Control cabinet cooler (A/C unit)
Upgrade to high pressure 20-bar (300 psi) coolant system
Transformer (440-460-480 to 220 volt)
On-site start up installation assistance