

HH Roberts

High Speed Machining Centers

powered by

ANILAM



HEIDENHAIN

FANUC

TWL

Linear Way Series

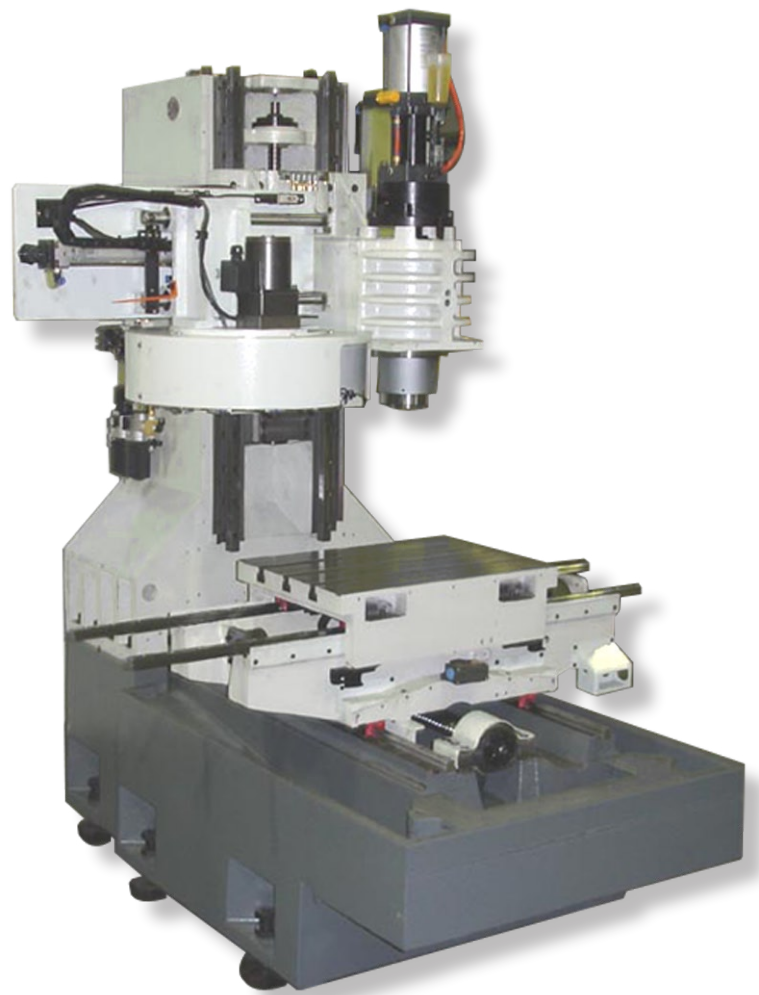


18", 24", 36" and 40" X axis travels
Contouring feed rates to 400 IPM
Rapid traverse rate 1,400 IPM

These machines are available without toolchangers which may be attractive to mold shops, with arm type tool changers for shops where shorter tool change time is important, or with a traditional carousel type tool changer.

The spindle motor has a full 7 1/2 Hp CONTINUOUS rating and 10 Hp for 15 minutes.

The CNC, axis drives and motors, spindle drive and motor are all custom built for Anilam from standard Heidenhain components. Higher accuracy at feed rates up to 400 IPM can be expected with good programs.



This is the TWL-40 with the optional open table guards. This version has the carousel tool changer. Faster arm type toolchangers are optional.

TW-18L, TW-24L, TW-36L & TW-40L

	TW-18L	TW-24L	TW-36L	TW-40L
X axis travel	18" - 400mm	24" - 610 mm	35.43" - 900mm	39.37" - 1000mm
Y axis travel	16" - 350mm	18" - 460mm	18.11" - 460mmmm	
Z axis travel	16" - 400mm	18.9" - 480mm	19.29" - 490mm	
Table size	16" x 20" 400 x 500mm	22" x 16" 560 x 400mm	40" x 18" 1000 x 460mm	
Spindle nose to table	4" - 24" 102 - 610mm		3.54 - 22.83" 90 - 580mm	
Spindle C/L to column	20" 500mm		18.11" 450mm	
Spindle motor	7 1/2 Hp continuous, 10 Hp 15 min.			
Spindle speed, standard	8,000 rpm			
Spindle speeds, optional	6,000 10,000 12,000 or 15,000 rpm			
Tooling	standard Cat-V optional BT-40			
Automatic tool changer	standard carousel type 12 tools optional carousel types with 16 or 20 tools. optional arm type 24 tools			
Rapid traverse rate	1,400 IPM			
Cutting feed rates	nominally 400 IPM contouring, possibly faster depending on part and programming efficiency.			
Maximum table load	660 lbs. - 300 Kgs.		770 lbs - 350 Kgs	
X and Y axis motors	1.8 Kw 5.9 Nm			
Z axis motor	2.7 Kw. 8.5 Nm			
Power supply	208-230, 460 or 600 / 3 / 60 Optionally 220/1/60 with solid state phase converter.			
Floor space for operation and servicing	126" x 110" x 106" 1800x800x 2700mm			
Dimensions LR x FB can be reduced for shipping	70" x 90" 1780 x 2290		91" x 110" x 106" 2300 x 2800 x 2700mm	
Approximate weight	6,850 lbs.	6,930 lbs	8,360 lbs	8,360 lbs
CNC Control: standard	Anilam 6300			
CNC Controls: optional	Heidenhain, Fanuc, Mitsubishi Meldas or Fagor			

Standard Equipment and Features

- Anilam 6300 multiprocessor CNC,
- 6 GB hard disk
- floppy disk
- 16 MB RAM expandable to 64 MB
- Ethernet port,, RS-232 port and parallel port
- program controlled spindle speeds
- 8,000 rpm spindle

- program controlled coolant system with override
- panel mounted electronic handwheel (MPG)
- high intensity worklight
- automatic central lube system with low oil alarm
- high precision, high speed, linear ways
- high precision ballscrew thrust bearings on all ballscrews
- class 4 precision ballscrews

Options

- upgrade to 6400 CNC for 4th axis capability
- additional ram up to 64 MB
- chip auger and cart
- chip washdown system
- coolant through the tool or spindle
- offline software for a PC with DXF file processing
- 1 micron linear feedback systems
- spray mist systems

- optional stop, and block delete
- additional M functions for controlling external devices like spraymist, vises, fixtures
- arm type tool changer
- available without tool changer
- hand held MPG instead of panel mounted.
- Pallet changers
- low coolant level alarm
- solid state phase converters for operation on 220/1/60.



Vertical machining centers, open and enclosed 31" x 20" to 60" x 32"



Bridge type electrode and engraving mills with 25,000 rpm spindles.



Bed mills with gearless quill heads to 7 1/2 Hp and handwheels.



Vertical bed mills with machining center heads to 31" x 20" to 60" x 32"



Unique horizontal / vertical machining center



2 and 3 axis knee mills with tilting heads or rigid heads up to 7 1/2 Hp and 40" x 20"



CNC lathes from 15" x 30" to 20" x 80"



Precision gang tooling lathes



Precision dovetail bed lathes

Our products are continuously developing and specifications change frequently. It is suggested that you reconfirm any critical specifications at the time of order.

Made in Canada by:

HH Roberts Machinery Mfg.

1324 Matheson Blvd E

Mississauga, Ontario, L4W 2Z7

Ph 905-624-5536 Fx 905-624-9065

inbox@hhrobertsmachinery.com

www.hhrobertsmachinery.com