SPECIFICATIONS

MODEL	UNITS	YLX 350	YLX 250
TABLE			
Working Surface	mm(inch)	Ø 350 (13.77)	Ø 250 (9.84)
T-Slots (Number x Size x Distance)	mm	8x12x45	4x12x90
Max. Table Load (Flat Position)	kgs(lbs)	200 (440)	100 (220)
Max. Table Load (Tilted Position)	kgs(lbs)	100 (220)	75 (165)
Table Aperture	mm(inch)	Ø 90(3.54)	Ø 64 (2.51)
TRAVEL			
Longitudinal Travel (X)	mm(inch)	800 (31.49)	600 (23.62)
Cross Travel (Y)	mm(inch)	600 (23.62)	500 (19.68)
Headstock Travel (Z)	mm(inch)	550 (21.65)	480 (18.90)
Distance Between Spindle End and Table Top	mm(inch)	50 ~600 (1.96~23.62)	50 ~ 530(1.96~20.86)
Track Type (X, Y, Z axes)		Linear Guide Ways	Linear Guide Ways
Max. Workpiece Size	mm(inch)	Ø 350 x 300 (13.77X11.81)	Ø 250 x 200 (9.84x7.87)
FEED			
Rapid Traverse (X / Y / Z)	M/min(inch/min)	42 / 42 / 30 (1653/1653/1181)	42 / 42 / 30 (1653/1653/1181)
Cutting Feed	mm/min(inch/min)	10,000 (393.70)	10,000 (393.70)
Min. Feed Increment	mm	0.001	0.001
SPINDLE			
Mechanism of transmission	type	Direct Drive	Direct Drive
Spindle Motor	kw	7.5 / 11 (15HP)	7.5 / 11 (15HP)
Spindle Taper		ISO 40	ISO 40
Spindle Speed	rpm	12000 (15000 opt.)	12000 (15000 opt.)
Spindle Bearing Size	mm(inch)	Ø 70 (2.75)	Ø 70 (2.75)
Max. Spindle Torque		47.7 / Nm	47.7 / Nm
Cooling / Lubrication Method		Oil Cooling / Grease	Oil Cooling / Grease
AUTO TOOL CHANGER (ATC)			
Tool Storage Capacity	sec	Arm Type 24	Arm Type 24
Tool Holder	type	ISO 40	ISO 40
Pull Stud		45°	45°
Max. Tool Weight	kg(lbs)	7 (15.4)	7 (15.4)
Max. Tool Length	mm(inch)	250 (9.84)	200 (7.87)
Max. Tool Diameter	mm(inch)	80 (3.14)	80 (3.14)
Max. Tool Diameter (Without Adjacent Tool)	mm(inch)	110 (4.33)	110 (4.33)
Tool Selection		Random	Random
MOTORS	mm.		
Drive Motors X, Y, Z axis	kw(hp)	2.5 / 2.5 / 3.0 (3.3/3.3/4)	1.8 / 1.8 / 2.5 (2.4/2.4/3.3)
FOURTH AXIS			
Rotation Type		Rotary	Rotary
Braking Type		Hydraulic Disk	Hydraulic Disk
Rotation Range		360°	360°
Maximum Speed	rpm	30	30
FIFTH AXIS			
Rotation Type		Tilting	Tilting
Braking Type		Hydraulic Disk	Hydraulic Disk
Rotation Range		- 40° ~+120°	- 40° ~+120°
Maximum Speed	rmp	20	20
INSTALLATION REQUIREMENTS			
Power Required		30	25
Air Pressure	kg / cm²	6	6
Coolant Pump	HP	3 / 4	3 / 4
Water Tank Capacity	L	400	280
Net Weight	kg(lbs)	6300 (13860)	5500 (12100)

- The above specifications are subject to change without prior notice.

STANDARD ACCESSORIES

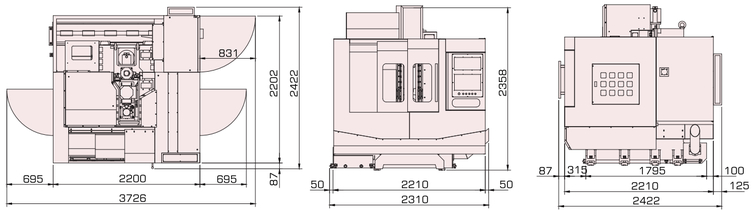
- Fully enclosed splash guard
- Central automatic lubrication system
- Tools and tool box
- Work lamp
- Tri-colored lamp guard
- Spindle air curtain
- Spindle oil cooler (spindle oil temperature cooler)
- Cleaning spray gun
- Air gun
- Chip auger
- Chip collector
- Cooling liquid tank
- X / Y / Z slide way extension protecting cover
- Horizontal adjustment block and screw
- Wire-control hand wheel
- Electrical box heat exchanger
- Rigid tapping
- Automatic shutdown function
- RS232 transmission interface
- Mechanical and electrical instructions
- Spindle spray ring

OPTIONAL ACCESSORIES

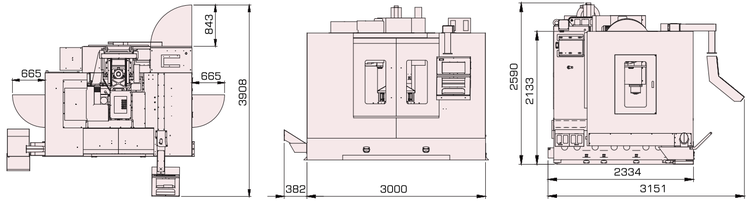
- Siemens controller
- Hidenhain controller
- Direct-drive spindle #40 15000 rpm
- Chain type chip conveyor
- Rear flushing device
- Optical scale
- CTS system (20 bar)
- CTS filter type 30 bar
- CTS filter type 70 bar
- Air conditioner for electrical box (3000 BTU)
- Automatic centering device (Renishaw OMP-60)
- Coolant through ball screws

MACHINE DIMENSIONS

YLX 250



YLX 350



Quality Assurance

At HANNSA, we ensure that the quality of each machine will meet our customers' requirements. HANNSA machine tools are manufactured by a team of highly skilled technicians. Rigorous inspections and tests are conducted, enabling HANNSA to achieve the highest standards.

Hannsa Precision

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Hannsa Precision

5-AXIS VERTICAL MACHINING CENTER

ISO-9001 CE YLM Group

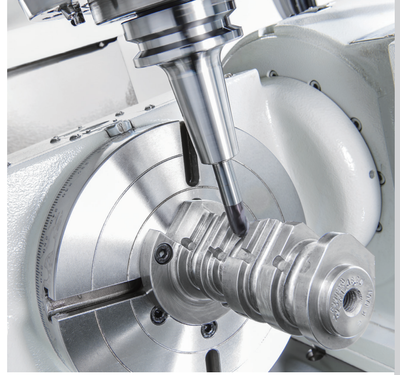
MACHINE-LINEAR WAY
HANNSA PRECISION

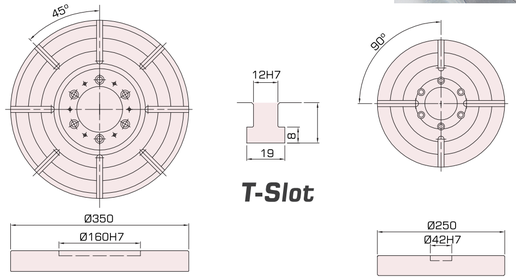
- ***X, Y, Z-axis travel:***
  800 x 600 x 550 mm (YLX-350)
  600 x 500 x 480 mm (YLX-250)
- Linear ways on three axes.
- BT40 spindle taper.
- 24 arm type magazine.
- Fully enclosed splash guard.

CNC TILTING ROTARY TABLE
(4th / 5th Axis)

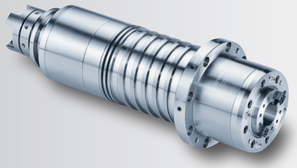
With the equipment of NC tilting rotary table, the machine is able to perform 5-axis machining. It can machine complex, multi-sided parts in a single setup, thereby reducing setup time while increasing part accuracy.

The CNC tilting rotary table allows for minimum indexing unit of 0.001 degree with high indexing accuracy and repeatability. Its highly rigid structure withstands cutting torque up to 17 kgf-m.



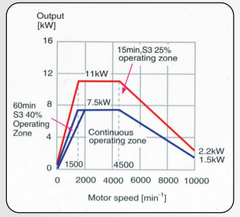


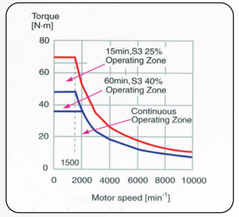
Direct-drive spindle



- Choice of spindle speeds— 15,000 rpm.
- Choice of spindle nose tapers—BT, CAT and DIN.
- The spindle is dynamically balanced for extremely smooth running.

Model 7.5/11 KW





PERFECTLY DESIGNED MACHINE STRUCTURE THROUGHOUT

YLX 250 / YLX 350

- Meehanite cast iron is tempered for stress re lief to ensure structural stability without deformation.
- The base is mounted with high precision linear ways with high feed rate, allowing the machine to perform high speed cutting.
- Reinforced column base greatly increases structural strength.

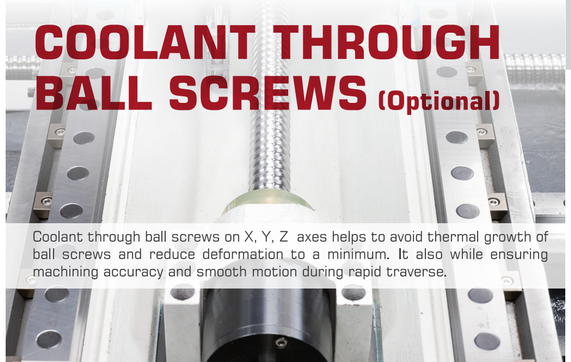
Specially Designed Column Stable! Rigid!

- The column on the Hannsa machining center is carefully analyzed and designed for increased rigidity.
- The column base is reinforced to increase structural strength and rigidity. With this special design, the machine will exhibit ultra-high stability during high speed operations. structural strength.

LINEAR SCALE (Optional)

The X, Y and Z axes are available to equip with linear scales for close-loop feed control. This ensures high positioning accuracy at all times.

COOLANT THROUGH BALL SCREWS (Optional)



Coolant through ball screws on X, Y, Z axes helps to avoid thermal growth of ball screws and reduce deformation to a minimum. It also while ensuring machining accuracy and smooth motion during rapid traverse.

24-tool Arm Type Magazine

- Bi-directional, random tool selection.
- Tool change can be quickly accomplished in only 2.5 seconds (tool to tool).

Chip Auger

The chip auger is delivers chips to the chip conveyor for easy removal.

Rear Flushing Device *(optional)*

The optional rear flushing device provides efficient removal of chips.

Air Conditioner For Electrical Cabinet *(optional)*

Offering even better cooling to the electrical cabinet, prolonging electrical components' life time.

Spindle Oil Cooler

The spindle oil cooler is used to ensure a constant temperature of the spindle, even during long running times. This helps maintain spindle accuracy at all times.