

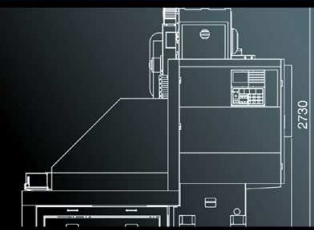
EXTRON

ISO 9001
BSMI



Horizontal Machine

LH
series



YIH CHUAN MACHINERY INDUSTRY CO., LTD.

Specifications

Item	Model	LH-87	LH-88	LH-117	LH-118
X travel		860 mm	860 mm	1100 mm	1100 mm
Y travel		720 mm	830 mm	700 mm	830 mm
Z travel		625 mm	625 mm	900 mm	900 mm
Table size		500 x 930 mm	500 x 930 mm	700 x 1260 mm	700 x 1260 mm
Table T-slot		18 mm x 5	18 mm x 5	18 mm x 5	18 mm x 5
Max. table load		400 kgs (880 lbs)	600 kgs (1320 lbs)	600 kgs (1320 lbs)	850 kgs (1870 lbs)
Spindle nose to table center		160~785 mm	160~785 mm	200~1100 mm	200~1100 mm
Spindle center to table surface		100~820 mm	175~1005 mm	120~820 mm	245~1075 mm
Table surface to floor		1042 mm	855 mm	1136 mm	882 mm
Spindle speed		6000 rpm		4500 rpm	
Spindle taper		#40		#50	
Spindle motor		20 HP		25 HP	
Ballscrew diameter		φ 40 mm		φ 40 mm	
Pitch of ballscrew X & Z		12 mm		12 mm	
Pitch of ballscrew Y		10 mm		10 mm	
Rapid feed X/Y/Z		24/20/24 M/min		24/20/24 M/min	
Cutting feed		10 M/min		10 M/min	
ATC type		Swing Arm type		Swing Arm type	
Tool storage capacity		24 tools		24 tools	
Max. Tool diameter		φ 80 mm		φ 125 mm	
Max. Tool weight		7 kgs		15 kgs	
Max. Tool length		250 mm		300 mm	
Floor space		2560 x 2880 x 2760 mm	2800 x 2950 x 2730 mm	3000 x 3435 x 2760 mm	3250 x 3550 x 2730 mm
Machine weight		6600 kgs (14520 lbs)	6300 kgs (13860 lbs)	8450 kgs (18590 lbs)	8100 kgs (17820 lbs)

▲We reserve the right to change design, color or specification without notice.

STANDARD ACCESSORIES

- Spindle Air blast
- Air gun system
- Coolant system
- Spindle chiller
- Auto. Lubrication system
- Halogen work light
- Splash guarding (LH-88/118)
- Fullenclosure (LH-87/117)
- Swing arm type 24 tool ATC system
- Leveling bolts & pads
- Telescoping way cover
- Adjusting tools & tool box
- Alarm light
- Operating manual
- Mechanical manual
- Electrical manual

OPTIONAL ACCESSORIES

- Oil skimmer
- Full enclosure (LH-88 / 118)
- ZF gear box
- CNC rotary table (LH-88/118)
- Precision index table (LH-88 / LH-118)
- Coolant through spindle(15bar)
- Auto. Tool length measurement
- Air condition for electric cabinet
- 30 tool ATC system
- Screw type chip conveyor
- Chain type chip conveyor
- Voltage transformer
- Automatic voltage regulator

EXTRON

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ATRUMP

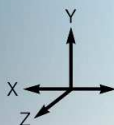
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HORIZONTAL MACHINI

LH series

LH-87/LH-117



Control System



◻ CENTROID



◻ SIEMENS



◻ MITSUBISHI



◻ MIRL



◻ FANUC

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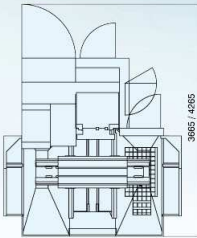
LH-88/LH-118



NC rotary table
(B axis / opt.)
(LH-88/LH-118)



LH-88 / LH-118



Top View

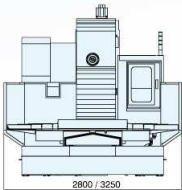
3685 / 4285



T-Slot

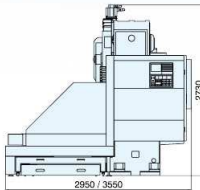
500 (LH-88)					
55	130	130	130	130	55
60	145	145	145	145	60
700 (LH-118)					

Table



Front View

2800 / 3250



Side View

2730

2950 / 3550

ING CENTER



24 tools swing
arm tool change
magazine



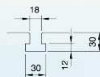
6000rpm belt
drive spindle
(LH-87/LH-88)

FEATURES

- ▲ High quality rigid Meehanite cast iron for high rigidity.
- ▲ Anti-Flex, Reinforced base and column casting to support rigid and powerful machining.
- ▲ The column casting are internally reinforced with cross ribs to provide the rigidity and absorb vibration.
- ▲ 830 mm Y axis travel provide bigger working capacity (LH-88 / LH-118).
- ▲ All axis direct drive design to ensure the least backlash and long lasting accuracy.
- ▲ High precision C3 class ball-screw and per-tension ball-screw ensure highly accuracy.
- ▲ Two sets of linear guide way block design to support high accuracy and reliability (LH-87 / LH-88).
- ▲ Non Counter-weight system design to support quickly rapid & movement smoothly.

Dimensions

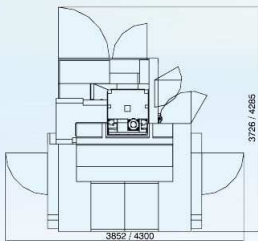
LH-87 / LH-117



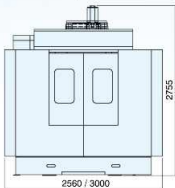
T-Slot

500 (LH-87)					
50	100	100	100	100	50
60	145	145	145	145	80
700 (LH-117)					

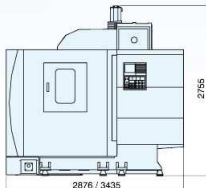
Table



Top View



Front View



Side View