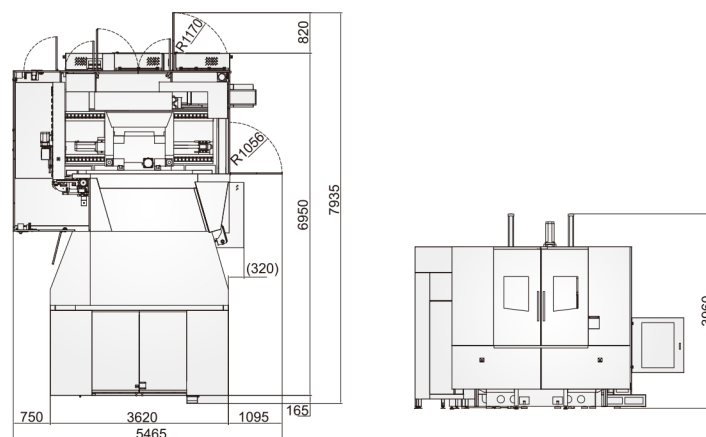


MACHINE SPECIFICATIONS

MODEL	UNIT	LH-500(A)	LH-630(A)	LH-800(A)	LH-1000(A)
TABLE					
Table sizes	mm	500 x 500	630 x 630	800 x 800	1000 x 1000
Max. table load	kg	600 x 2	1200 x 2	2000 x 2	2000 x 2
Table height from floor	mm	1120	1190	1300	1300
Max. workpiece sizes (dia. x height)	mm	Ø950 x H1100	Ø1100 x H1250	Ø1600 x H1450	Ø1650 x H1400
Least indexing degree on B-axis	deg	0.001°			
SPINDLE					
Spindle nose taper		7/24 Taper No. 50			
Max. spindle speed – direct drive / built in	rpm	8000 (10000)			
Max. spindle speed – gear drive		4000 / 6000			
TRAVEL					
Z, Y, Z-axis travel	mm	800 x 750 x 800	1000 x 900 x 1000	1500 x 1100 x 1100	1500 x 1100 x 1100
Dist. from spindle center to table surface	mm	50-800	50-950	50-1150	50-1150
Dist. from spindle nose to table surface		100-900	100-1100	250 (150)-1350 (1250)	250 (150)-1350 (1250)
FEED					
Rapid traverse rates on X, Y, Z-axis	mm/min	50 / 50 / 50	40 / 40 / 40	24 / 24 / 24 (30 / 30 / 30)	24 / 24 / 24 (30 / 30 / 30)
Cutting feed rate		1-20000			
ATC					
Tool shank type	pc	BT-50 (BBT-50)	BT-50 (BBT-50)	BT-50 (BBT-50)	BT-50 (BBT-50)
Tool loading capacity	mm	40(60)(90)(120)			
Max. tool diameter	mm	Ø125			
Max. tool diameter (without adjacent tool)	mm	Ø250 (Ø450)			
Max. tool length	kg	500	550		
Max. tool weight		25			
MOTOR					
Spindle motor	kW	15/ 18.5 (18.5/22)(22/26)			
Servomotors on X, Y, Z-axis		5.5 / 7 / 4.5	7 / 7 / 7	6 / 6 / 6	6 / 6 / 6
MACHINE DIMENSIONS					
Width x depth x height	kg	4380 x 7220 x 3580	4930 x 7510 x 3690	5465 x 7930 x 3960	5465 x 7930 x 3960
Weight (with single pallet)		15200	16900	21800	26800
Weight (with twin pallets)		17800	20800	25200	30200
CONTROLLER					
Fanuc Oi-MF Plus / 3li-MB					

*As the machine manufacturer constantly conducts machine research and improvement, the machine specifications are subject to change without prior notice.

MACHINE DIMENSIONS



LH-800(A) / 1000(A)

STANDARD / OPTIONAL EQUIPMENT

		STANDARD	OPTIONAL
SPINDLE	4000 / 6000 rpm large torque spindle	●	
	10000 rpm built-in type spindle		●
	10000 rpm direct-drive spindle		●
B-AXIS	0.001° Indexing table (B-axis encoder is optional)	●	
	1° Indexing table		●
TOOL SHANK	BT50	●	
	HSK-A100		●
	DIN50		●
DEGREE OF BT50 PULL STUD	CAT50		●
	MAS407 BTI (45°)	●	
	MAS407 BTII (60°)		●
PUMP OF COOLANT THROUGH MACHINE	MAS407 BTIII (90°)		●
	20 bar		●
	40 bar		●
MAGAZINE LOADING CAPACITY	70bar		●
	40pc	●	
	60pc		●
	90pc		●
COOLING SYSTEM	120pc		●
	Spindle cooling system	●	
	Air conditioner for electric cabinet	●	
	Hydraulic oil temperature control system		●
AUTO PALLET CHANGE	Cutting fluid temperature control system		●
	Single table	●	
	Twin tables		●
CHIP REMOVAL IN MACHINE	PPL system		●
	Twin chip augers	●	
CHIP CONVEYOR	Chain type chip conveyor	●	
	Magnetic scraper type chip conveyor		●
	Scraper type chip conveyor		●
	Roller type chip conveyor		●
	Integrated type chip conveyor		●
LUBRICATION OIL SYSTEM	General lubrication oil system	●	
	LHL grease lubrication system (grease)		●
3 AXES LINEAR SCALES	5 μm class		●
	3 μm class		●
JIG LUB. / COMP. AIR SUPPLY	Overarm supply 6 ports at each side (max. hyd. pressure 120 bar). Oil inlet through patio.		●
	Table type 6 oil ports on APC (max. hyd. pressure 120 bar). Oil inlet through bottom.		●
TOOL MEASURING SYSTEM	Tool breakage detection (mounted at the magazine side for detecting)		●
	Renishaw TW-27R retract contact type sensor (mounted in the machine, the device is suitable for detecting tool length, tool breakage, and tool diameter).		●
CONTROLLER	FANUC Oi-MF Plus	●	
	FANUC 3li-MB		●
OTHER EQUIPMENT	Air gun	●	
	Coolant gun	●	
	Oil fluid separator	●	
	OMP60 / RMP60 workpiece measuring system		●
	Air blast for machining		●
	Oil mist collector		●