

Machine Specifications

V-600 800 1000

Model		V-600	V-800	V-1000A	V-1000B
Travels for 3-axes					
X-axis Travel	mm	600	800	1020	1020
Y-axis Travel	mm	410	500	560	560
Z-axis Travel	mm	540	540	600	635
Spindle nose to worktable surface	mm	100~640	150~690	120~720	80~715
Spindle					
Spindle Speed	rpm	10000	8000	8000	6000
Automatic Tool Changing System					
Number of Tools	pcs	24	24	24	24
Max. tool diameter	mm	80/125	80/125	80/125	125/225
Max. tool length	mm	200	270	300	350
Max. tool weight	kg	8	8	8	15
Tool changing method		ARM	ARM	ARM	ARM
Tool specification		BT-40	BT-40	BT-40	BT-50
Motor					
Spindle motor <small>(continuous/30min. rated)</small>	kw(HP)	5.5/7.5(7.5/10)	7.5/11(11/15)	7.5/11(11/15)	11/15(15/20)
Motors on X/Y/Z-axis	kw	1.5/1.5/2.0	2.0/2.0/3.5	2.0/2.0/3.5	2.0/2.0/3.5
Worktable					
Worktable area	mm	700x400	910x500	1000x560	1000x560
Worktable max. load capacity	kg	350	500	750	750
T-slot <small>(No. x Width x Distance from the center)</small>	mm	5x14x63	5x18x100	5x18x100	5x18x100
Rapid Speed					
X-axis rapid speed	M/min	36	36	36	36
Y-axis rapid speed	M/min	36	36	36	36
Z-axis rapid speed	M/min	24	24	24	Box way : 18
Cutting feed rate	mm/min	1-20000	1-20000	1-20000	1-20000
Controller					
Mitsubishi		M80	M80	M80	M80
Miscellaneous					
Machine Weight	kg	4200	5300	7500	8000
Power Consumption	KVA	15	20	25	25
Coolant Tank Capacity	L	200	290	290	290
Compressed air source	kg/cm2	6	6	6	6

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■ All the photos contained herein are for reference only. In case of any discrepancy with the actual machine parts, the actual machine shall prevail.

■ We reserves the right to modify the product specifications, appearance, equipment or discontinue the products.

Equipment List

V-600 800 1000

● Standard ○ Options ☆ Upon request

	V-600	V-800	V-1000A	V-1000B
Spindle				
Spindle speed: 6000 RPM	—	—	—	●
Spindle speed: 8000 RPM	—	●	●	○
Spindle speed: 10,000 RPM	●	○	○	○
Spindle speed: 12,000 RPM	○	○	○	—
Spindle oil cooling system	○	○	○	○
Coolant through the spindle system (CTS)	○	○	○	○
Spindle dust-proof air-sealing system	●	●	●	●
Spindle head coolant cooling system	—	—	●	●
ZF gearbox + cooling system	—	○	○	○
Cooling System				
Spindle external programmable air blow system	●	●	●	●
Stop block for oil feed tool holder	○	○	○	○
Programmable coolant nozzle	☆	☆	☆	☆
Splash ring (arm type only)	☆	☆	☆	☆
Coolant cooling system	○	○	○	○
Chip Removal System				
Chip auger inside the machine	●	●	●	●
Chip conveyor	○	○	○	○
Chip cart	●	●	●	●
Coolant gun for machine cleaning	●	●	●	●
Air gun for machine cleaning	●	●	●	●
Wash down device	○	○	○	○
Hood for the top of the machine	○	○	○	○
Fully-covered sheet metal	●	●	●	●
Measurement System				
Infrared tool breakage detection	○	○	○	○
Tool length measurement system	○	○	○	○
Workpiece measurement system	○	○	○	○
CCD measurement system	☆	☆	☆	☆
Production and Workshop				
Production management and network service	○	○	○	○
Human-Machine Interface - intelligent machine	○	○	○	○
Oil mist Collector	○	○	○	○
Oil/coolant separator				
Disc type oil/coolant separator	○	○	○	○
Machine oil/coolant separation system	●	●	●	●
ATC System				
Automatic Tool Changer Mechanism (ATC)	●	●	●	●
BT-40 tool specification	●	●	●	—
BT-50 tool specification	—	—	—	●
Arm type tool magazine 24T	●	●	●	●
Arm type tool magazine 32T	—	○	○	—
Arm type tool magazine 40T	—	—	☆	—
3-Axes Transmission System				
3-axes coolant thru ballscrew (CTB)	—	○	○	○
3-axes linear roller guideway	○	○	○	○
3-axes linear scale	○	○	○	○
Z-axis brake motor system	●	●	●	●
Controller				
Mitsubishi M80	●	●	●	●
FANUC G1MF	○	○	○	○
Siemens 828D	○	○	○	○
Electrical Parts				
Work light	●	●	●	●
Alarm indicator	●	●	●	●
M30 automatic power off system	●	●	●	●
Heater exchanger for electrical cabinet	●	●	●	●
Air-conditioner for electrical cabinet	○	○	○	○
Worktable				
Worktable area: 1000x560mm	—	—	●	●
Worktable area: 1120x560mm	—	—	○	○
Miscellaneous				
4th Axis (rotating table)	○	○	○	○
Tooling	○	○	○	○
DDR embedded motor (Mitsubishi system only)	☆	☆	☆	☆

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