

Model		D 600	D 800	D 1000	D 1200
Travels for 3-axes					
X-axis Travel	mm	600	800	1020	1200
Y-axis Travel	mm	410	500	560	600
Z-axis Travel	mm	540	540	600	675
Spindle nose to worktable surface	mm	100~640	150~690	120~720	100~775
Spindle					
Spindle Speed	rpm	12000	10000	10000	10000
Automatic Tool Changing System					
Number of Tools	pcs	24	24	24	24
Max. tool diameter	mm	80 / 125	80 / 125	80 / 125	85 / 150
Max. tool length	mm	200	270	300	300
Max. tool weight	kg	8	8	8	7
Tool changing method		ARM	ARM	ARM	ARM
Tool specification		BBT-40	BBT-40	BBT-40	BBT-40
Motor					
Spindle motor <small>(continuous/30min. rated)</small>	kw(HP)	5.5/7.5(7.5/10)	7.5/11(10/15)	7.5/11(10/15)	11 / 15
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	1220x620
Worktable max. load capacity	kg	350	500	750	1000
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	30
Y-axis rapid speed	M/min	36	36	36	30
Z-axis rapid speed	M/min	24	24	24	24
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	7000	8500
Power Consumption	KVA	15	20	25	35
Coolant Tank Capacity	L	200	290	290	360
Compressed air source	kg/cm2	6	6	6	6

■ 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.

● Standard ○ Options ☆ Upon request

### Spindle

Spindle speed: 10,000 RPM (DV-800/1000/1200)	●
Spindle speed: 12,000 RPM (DV-600)	●
Spindle speed: 15,000 RPM	○
Spindle oil cooling system	●
Coolant through the spindle system (CTS)	○
Spindle dust-proof air-sealing system	●
Spindle head coolant 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)	●
BBT-40 tool specification	●
Arm type tool magazine 24T	●

### 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 0iMF	○
Siemens 828D	○

### Electrical Parts

Work light	●
Alarm indicator	●
M30 automatic power off system	●
Heater exchanger for electrical cabinet	●
Air-conditioner for electrical cabinet	○

### Miscellaneous

4th Axis (rotating table)	○
Tooling	○
DDR embedded motor (Mitsubishi system only)	☆