Machine Tools:

Optional Accessories:

- Gear-head transmission (TDM 168A/TDA 229A)
- Through spindle coolant system
- ISO 40 or 50 tooling system upgrade
- Air blow system for chips
- Lift-up type chip conveyor
- Large capacity coolant tank
- Long column design (extra 200mm)
- CNC rotary table
- Spindle coolant ring
- Oil skimmer
- Arm type ATC
- Swarf conveyor
- MPG
- Alternate controls (Fanuc, Mitsubishi, Heidenhain, Siemens)

Standard Features:

- Air mister
- Automatic slide-way lubrication
- Coolant System
- Turcite coated bedways
- Class 7 spindle bearings
- Steel bed-way covers (X/Y/Z)
- Box bedways (X/Y/Z)
- Hardened and ground table and ways
- Extra wide Y axis bedway
- Counter balanced spindle head
- Travel limit switches
- Halogen work lamp

Model selection:

	HSM 85A	HSM 116A	HSM 127A	HSM 147A	TDM 168A	TDM 229A
Travel (X/Y/Z)mm	850/600/600	1100/600/600	1200/700/700	1400/700/700	1600/800/700	2200/900/700
Table Working Area (mm)	1050 x 600	1300 x 600	1300 x 680	1450 x 680	1700 x 815	2600 x 880
Spindle Center to Column (mm)	620	620	750	750	850	955
Max. Table Load (kg)	800	1000	1200	1200	2000	3000
Rapid Traverse Rate (X/Y/Z m/min)	15/15/15	15/15/15	15/15/15	15/15/15	15/15/15	15/15/15
Cutting Feedrate (m/min)	7	>7	>7	>7	>7	>7
Spindle Speed (rpm)	8000	8000	8000	8000	6000	6000
Spindle Motor (HP)	15	20	25	25	30	30
Spindle Taper	ISO #40	ISO #40	ISO #40	ISO #40	ISO #50	ISO #50
Tool Capacity	16 (armless)	16 (armless)	24	24	30	30
Floor Space (mm)	3000 x 3000	3000 x 3000	3500 x 3300	3500 x 3300	4600 x 3460	6500 x 3460
Machine Height (mm)	3000	3000	3100	3100	3000	3430
Net Weight (kg)	7500	8000	10500	11180	13800	20000
Positioning (full stroke mm)	0.01	0.01	0.01	0.01	0.01	0.01
Repeatability (mm)	0.005	0.005	0.005	0.005	0.005	0.005
Control (Centroid)	M400	M400	M400	M400	M400	M400