

www.stmcnc.com



VD SERIES
**HIGH SPEED
MACHINING
CENTER**
(MILL TAP)



Discover the Meaning of Value

TECHNICAL SPECIFICATIONS

DESCRIPTION	UNIT	VD510S	VD710S
TRAVEL			
Max. Table Travel (X axis)	mm	500	700
Max. Saddle Travel (axis)	mm	400	450
Max. Spindle Head Travel (Z axis)	mm	330	330
Dist. between Spindle nose & Table top	mm	150-480	150-480
Table Size	mm	650 x 400	800 x 420
Max. Weight on Table	kg	250	300
Number of T-Slots		3	
T-Slot Size x Pitch	mm	14 x 125	
SPINDLE			
Max. Spindle Speed	rpm	12000 (Opt: 15000/20000/24000)	
Spindle Hole Taper		BT30	
Tool Clamping Force	kgf	300±50	
Motor Power (Cont./Intermittent	kW	5.5/7.5	
Lubrication for Spindle	Type	Grease	
ACCURACY (AS PER ISO)			
Positioning Accuracy (X, Y & Z axis)	mm	±0.005	
Repeatability	mm	±0.003	
CNC System		Fanuc/Mitsubishi/Siemens	
ATC			
Tool Shank/Pall Stud		BT30	
Number of Tools		21	
Max, Tool Diameter (with adjacent tool)	mm	60	
Max. Tool Diameter (without adjacent tool)	mm	80	
Max Tool Length	mm	200	
Tool Weight (in each pot)	kg	2	
Tool Change Time - Tool to Tool/Chip to Chip	sec	1.7/2.2	
GENERAL			
Machine Size (L x W x H)	mm	1880x2350x2450	2000x2450x2500
Machine Weight approx.	kg	2200	2500
Lubrication for Slideways and Ball Screw	Type	Grease	
Coolant Tank Capacity	ltrs	130	150
Coolant Pump Motor	bar	2	
Cutting Air	bar	5	
Air Supply	bar	5	

DESCRIPTION	UNIT	VD510S	VD710S
FEED SYSTEM			
Rapid Traverse Rate X/Y/Z	m/min	48/48/48	
Cutting Feed Rate / Jog Feed Rate	mm/min	1-12000/0-1500	
Feed Motor Power X/Y/Z axis	kW	1.5/1.5/3	1.5/1.5/3
Guideways on all axis X/Y/Z	Type	Ball XYZ 30	
Ball Screw Size X, Y & Z axis	Type	XY-28x16 / Z-32x16	
POWER SUPPLY			
Voltage	V	AC 415±5%, 3Phase	
Frequency	Hz	50±1	
Power	kVA	15	

ACCESSORIES

STANDARD

- Air Gun
- Coolant Gun Operated by MOP
- Panel AC
- Transformer
- Full Guarding
- Rigid Tapping
- Coolant System
- Rear Chip Disposal
- Cutting Air
- Signal Lamp
- LED Work Light
- RS232/RJ45/USB Interface
- Auto Oil Lubrication
- Spindle Oil Cooler
- Flush Coolant
- Head Coolant
- Hand Wheel
- Spindle Air Blast
- Tool Box & Manual

OPTIONAL

- Rotary Table
- Coolant Rotary Indexer
- Oil Mist Collector
- 100/200mm Riser Column
- Coolant through spindle 20/30 Bar
- Automatic Work Piece Measurement
- Automatic Tool Length Measurement
- Oil Skimmer

USER INDUSTRIES



Automation



Die & Mould



General Engineering



Oil & Gas



Agriculture



Energy



Pump & Valve



Tooling



Electronic Gadgets

and many
more...

Discover the Meaning of Value



S&T MACHINERY (P) LTD.

(Manufacturing Unit of S&T Group)

22/1A, Vasanth Nagar, Singanallur,
Coimbatore - 641 005. Tamil Nadu, India.

☎ 0422 - 2590810, 2591470, 2593487

☎ +91 73976 85550 ✉ info@stmcmc.com 🌐 www.stmcmc.com



**S&T
GROUP**
SINCE 1996



Branches:

Ahmedabad | Bengaluru | Chennai | Cochin | Coimbatore | Delhi (East)
Delhi (West) | Faridabad | Gurugram | Hosur | Hyderabad | Indore
Kolhapur | Kolkata | Ludhiana | Mumbai | Pune | Rajkot | Vapi

**Due to continuous improvements, we reserve the right to amend any aspect or the specifications without further notice.

*** Images for reference only