



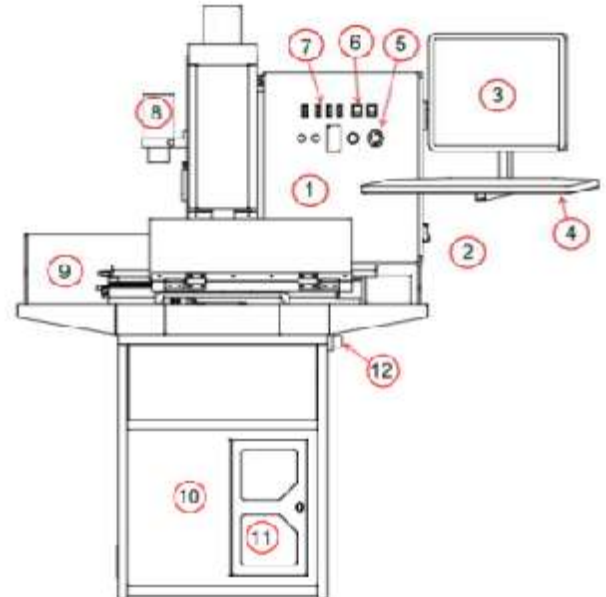
PERFORMANCE EXPECTATIONS AND CUTTING ABILITY:

- Spindle Speed Range : 6000-24000RPM
- Spindle Power: 1.5KW (2HP) Air cooled (VFD Control)
- Feed Rate Range: 600mm/min for X, Y & Z axis.
- Suitable for engraving on Steel, Soft metals and plastic.
- Suitable for Milling on all soft metals and plastics / acrylic.
- 0.08kW coolant pump and tank.

RESOLUTION, ACCURACY AND REPEATABILITY:

- Feed Motors- Steppers (open loop)
- Resolution of Motion (minimum 0.002 mm discrete positional move)
- Ball Screw Positional Accuracy 0.01mm per foot
- Combined Positional Accuracy2 0.05mm per foot

TECHINICAL SPECIFICATIONS:



Note: Specifications are subject to change.

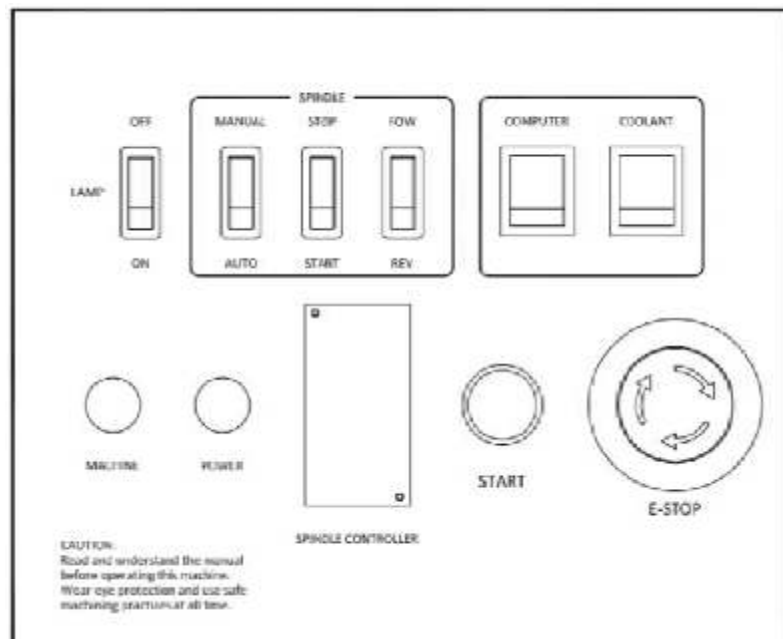
Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
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ITEM	COMPONENT	ITEM	COMPONENT
1	ELECTRICAL	7	SPINDLE & VFD CONTROL
2	MAIN MCBs	8	HAND LUBRICATION PUMP
3	17" LCD	9	COOLANT COLLECTION TRAYS
4	KEYBOARD & MOUSE TABLE	10	BASE TABLE
5	RED-E STOP	11	CPU ACCESS DOOR
6	ON/OFF- SWITCHES	12	COOLANT PUMP WITH TANK

it is intended for use as a general purpose CNC Engraving and light duty milling machine. The intended use includes Engraving on steel, soft metals and cutting conventional (non-abrasive) materials such as Non ferrous metals, aluminum, plastics, wood and similar materials (or any other material that can be cut with a rotating cutter).



Control panel with Rocker switches, LED lamps, VFD drive controller and E-stop switch:

Includes additional contributing factors such as compressibility of bearings, ball screw windup, friction etc.

Each is delivered with a Certificate of Inspection. This report details each of the quality assurance measurements performed at the factory by a quality assurance team member prior to approving delivery of each machine.

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Mechanical		
Key Dimensions (Machine Bed)	Length	250mm
	Width	370mm
	T-Slot width	10mm
	T Slot C-C	110mm
	No. of T-Slots	4 slot along Y-axis
	Max Weight on Table	60kg
	Spindle nose to bed (max.)	240mm
	Spindle nose to bed (min.)	20mm
Travel	X-Axis	310mm
	Y-Axis	210mm
	Z-Axis	230mm
Spindle	Speed Range	6000-24000 RPM
	Max. Rating	2HP (1.5KW)
	Collet	ER16M (0.5mm-8mm cutter)
Feed Rates	Rapids on X-Axis	800mm/min
	Rapids on Y-Axis	800mm/min
	Rapids on Z-Axis	800mm/min
	Max. Cutting	600mm/min (X, Y)

ELECTRICAL	
Power Requirements	230V AC Single Phase 50/60Hz
Recommended Circuit AMPS	20Amps

Minimum floor space requirements are as follows:

Weight	Width	Depth	Height
180kg	2000mm	1600mm	1800mm

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