

Upto 80%
Made in India Parts



DIY / Hobby / Prototyping



High Speed Spindle

Spindles from Teknomotor, Italy rated for Continuous Operations - Suitable for soft materials like plastics, acrylic, wood, mdf etc.



Innovative Materials

World's first Composite Superstructure CNC with Lifetime Warranty on the material. No Sagging, hogging, rust or corrosion



Rated for 24/7 Ops

Run long operations with confidence. High quality Spindles, Steppers and Electronics enable high productivity.

Call / WhatsApp /
Telegram

+91 90190 54837



Our Location

Bangalore,
Karnataka
India



Technical Specifications

Machine Type	3 Axis
Working Area X x Y	400 x 300 MM
Z Axis Travel	100 MM (Customizable)
Footprint - Machine	750 x 750 MM
Footprint - Control Box	610 x 450 MM
Chassis	Carbon Fiber / Fiber Glass Superstructure - Desktop/Tabletop
Controller Type	Arduino Controller <ul style="list-style-type: none">• Machine can be operated through a USB connection with any Windows Laptop/Desktop with Windows 10 or 11.• PC Optimization Settings and Open source Software (GSender / UGS) will be provided as links to download and install.
Max Travel Speed (X, Y & Z)	4 Meters / Minute
Spindle - Country of Origin	Teknomotor, Italy
Spindle - Power	0.73 KW / 1 HP
Spindle - MAX RPM	24,000
Spindle - Tool Change type	MTC - Manual Tool Change
Spindle - Collet	ER20
Spindle Maximum Run-out (Certified)	<20 Microns
Spindle Maximum Run-out (Tested)	<10 Microns
Drive - All Axis	Hiwin/THK/Other Rolled Ball Screw - 16 MM
Guides - All Axis	Hiwin/THK/Other 20 MM Linear Guide & Block
Drive Motors	NEMA 24 & 23 - Stepper Motor (Made in India)
Certified Repeat Positioning Accuracy	<50 Microns
Tested Repeat Positioning Accuracy	Between 15-25 Microns / 0.015 to 0.025 MM

Spindle Control	Manual Spindle Control - VFD
Stock / Material Fixturing Support	Aluminium Extruded T Slot Stock Mounting Profiles
Movement	Simultaneous 3 Axis Motion – Full Interpolation
Machine Movement Type	Moving Bed / Fixed Gantry System
Ship Configuration	Ships Fully Assembled with selected accessories
Continuous Operations Capable	Yes, Certified for 24/7 Operations
Warranty	1 Year Warranty – All Parts Covered
Extended Warranty	Optional - Up to 10 Additional Years. Available in increments of 1/2/3/4/5 Years
Annual Maintenance Contracts (AMC)	Optional - Up to 10 Additional Years. Available in increments of 1/2/3/4/5 Years
Superstructure Warranty	Lifetime Warranty on all composite parts installed on the machines. Warranty applicable under normal operating conditions.
Certification	ISO 9001 & CE Certified
CAM Support	Fully compliant with GCODE / MCODE (GRBL) - Solidworks, Catia, Fusion etc.
Tool Sensor	Z-Axis Touch / Non-Touch Sensor - Optional for Purchase
Materials Supported	ABS, Polycarbonate, Acrylic, Composites, carbon fiber, fiber glass, aramid, fibre Glass, Carbon Fibre, Wood, MDF, PCB, Epoxy, Graphite and other soft materials
Calibrated By	All of our measurements are made with Mitutoyo calibrated instruments
Diode Laser Compatibility	Yes - With Arduino Controller option Only
Power Input	Single Phase Input – 220V / 110V
Current Requirement	16 Amp Plug Point Required
Bellow Implementation	Optional
Fully Transparent Enclosure	Optional

Machine Code Support	Fully Compliant with GCODE / MCODE
Control PC	Optional - Laptop or Desktop with Monitor, Keyboard & Mouse - Original Windows 10/11
Software Provided	Gsender/UGS (Machine Control)
Cooling System	Air Cooled Spindle

ZERO Chinese Parts



Meteor 4030

3 AXIS CNC



Highlights

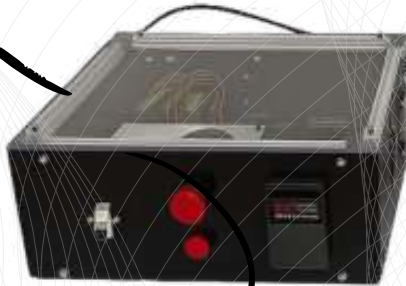


HIWIN / THK
16MM BALL SCREW
20 MM LINEAR GUIDES

NEMA 23 & 24
STEPPERS
MADE IN INDIA

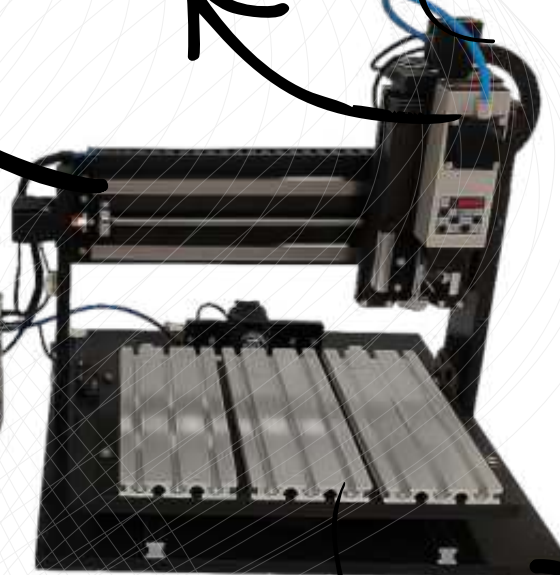
24,000 RPM
1HP SPINDLE
TEKNOMOTOR, ITALY

SINGLE PHASE INPUT
ONLY



MACHINE CONTROL
BOX

ALL MADE IN INDIA
COMPONENTS - DRIVERS, POWER
SUPPLY, VFD, SWITCHES, FAN,
ETC.



EXTRUDED
ALUMINIUM
TSLOT
PROFILES

USE YOUR LAPTOP/PC

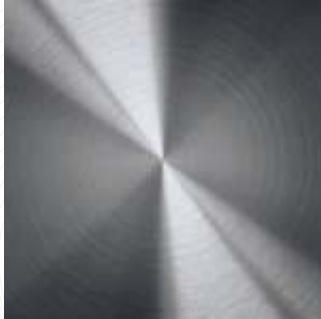
REQUIRES A USB 2.0 PORT &
OPEN SOURCE SOFTWARES

OTHER CONTROLLERS ALSO
AVAILABLE

PIONEERING COMPOSITE
SUPERSTRUCTURE WITH
LIFETIME WARRANTY

OTHER CONTROLLER OPTIONS ALSO AVAILABLE

COMPATIBLE WITH



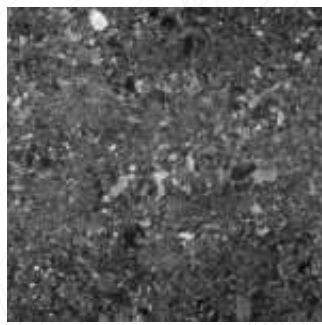
ALUMINIUM



EN 8 / 24 / 31 / 32 UNTREATED STEEL



COPPER



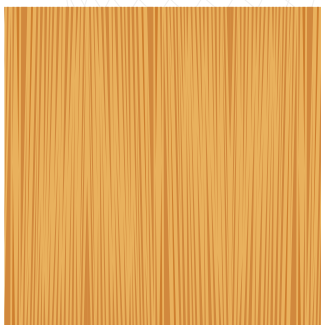
GRANITE



BRASS



PCB'S



Foam, ACP Sheet, Lead, Rubber, Silicone & other soft materials

- Metals Processing will be slow @ <500 MM / Min only

ACCESSORIES INCLUDED WITH THE MACHINE

Cutting Bits

- Milling Bits - 5 PCS,
 - 3MM Dia Endmill
 - 4MM Dia Endmill
 - 6MM Dia Endmill

Collets for Spindle

- ER 16/20/25 Collet (Based on Spindle) - 3 PCS
 - 3MM Dia
 - 4MM Dia
 - 6MM Dia

Others

- T Nuts (For Securing the Material) - 10 Pcs
- Spanner Compatible with spindle Nut
- Connector Cable - 1 Piece
- Stock Mounting Bolts & Nuts - 8 Pcs
- Composite Stock Holders - 4 Pcs

- Machine is shipped fully built in a plug & play condition
- Installation is not required - If requested additional costs will apply
- If shipped with a control pc, it is shipped fully configured in plug & play condition

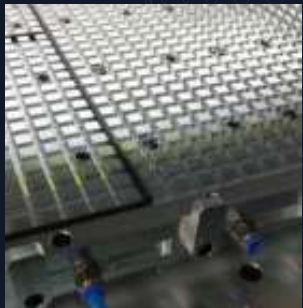
LASERS

Upgrade to higher Power Laser Modules, up to 60W



*with Arduino Controller Only

CLAMPING



**OPTIONS,
UPGRADES &
ACCESSORIES**

OTHER ACCESSORIES



Probes



Mist / Flood Cooling



Bellows

SPINDLE OPTIONS



Rectangular - Air Cooled
Runout - ~10 Microns
Single Bearing
18000 RPM
1.1 KW
ER 20
MTC

Teknomotor, Made in Italy



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Runout - ~10 Microns
Double Bearing
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1.1 KW
ER 20
MTC

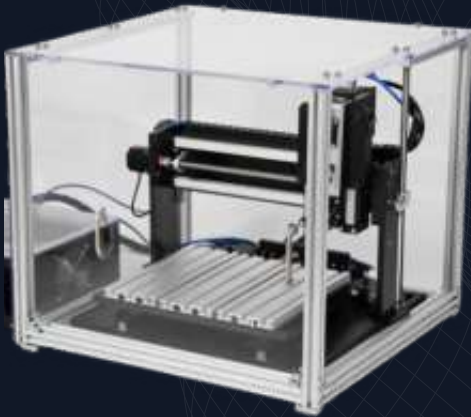
Teknomotor, Made in Italy

INDUS SPINDLES



Round - Air / Water Cooled
Runout - <20 Microns *
40,000 RPM
ER 11
1 KW
MTC / QTC
Indus, Made in India

ENCLOSURES



**OPTIONS,
UPGRADES &
ACCESSORIES**

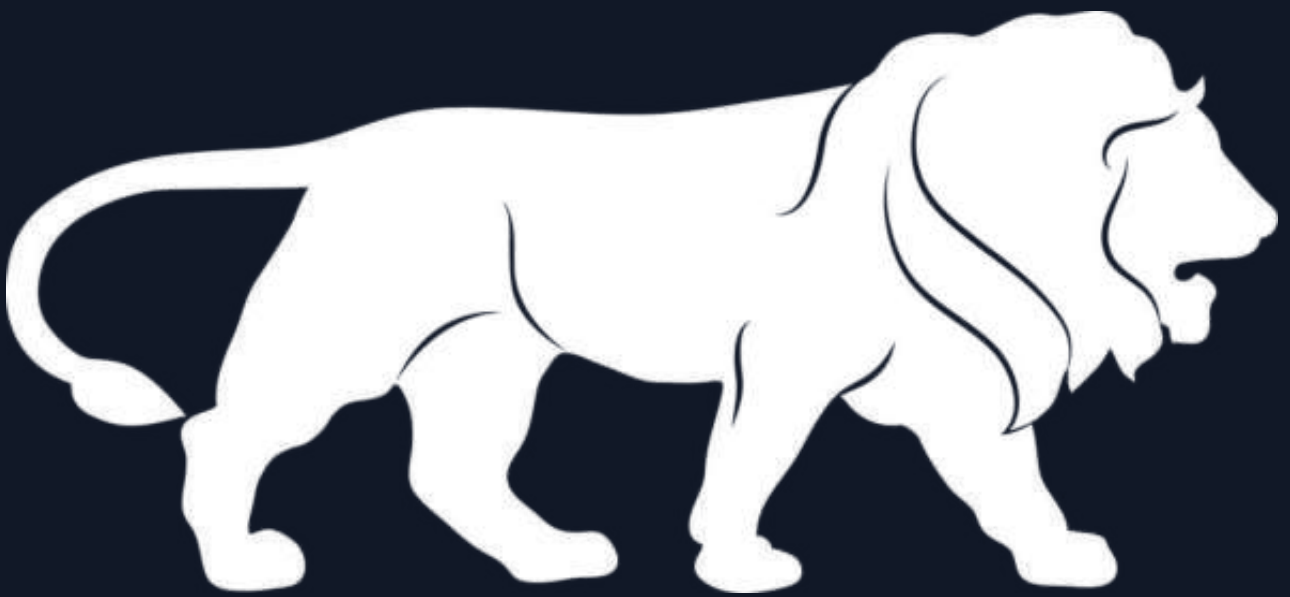
SERVOS



& OTHERS

Made in USA | Comprehensive 3 Years Warranty

PROUDLY
MADE IN INDIA



ENGINEER BEAUTIFUL