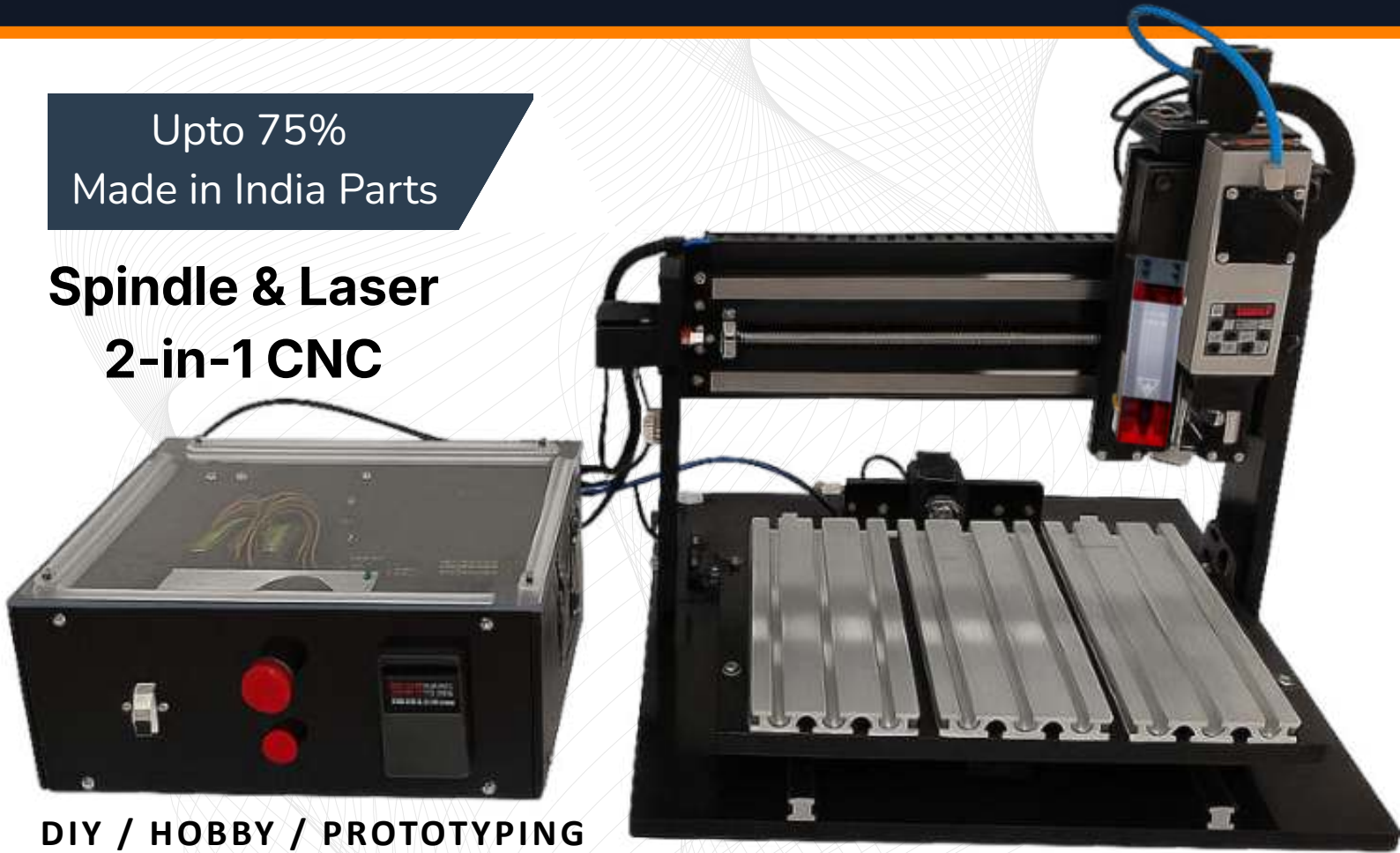


Upto 75%
Made in India Parts

Spindle & Laser 2-in-1 CNC



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	500 x 400 MM
Z Axis Travel	100 MM (Customizable)
Footprint - Machine	850 x 850 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
Laser Attachment	Optical Diode Laser
Laser Power	10W - Optical Output
Laser Power Upgrades	20W, 30W, 40W & 60W
Laser Wavelength	450 NM
Laser Beam Width	80 x 80 Microns
Laser Design & Creation Software	Lightburn - Perpetual License - 3 Seats
Laser Materials Capability (Etching/Cutting)	<p>Cutting - Wood (Basswood, Pine wood, Walnut, Cherry & Other woods), MDF, Bamboo, Cardboard, Paper (Kraft paper, Sponge paper), Acrylic & Plastics (Hard plastics, some non-transparent)</p> <p>Etching Only - Ceramics, Dark Stone, Coated Glass (after applying coating), Non-reflective plating and lacquered metal like Anodized Aluminium, PCB board, Aluminum Oxide, Stainless Steel, Leather, Fiberglass board</p>



Meteor 5040 DUO

3 AXIS CNC



Highlights



HIWIN / THK
16MM BALL SCREW
20 MM LINEAR GUIDES

NEMA 23 & 24
STEPPERS
MADE IN INDIA

24,000 RPM SPINDLE
TEKNOMOTOR, ITALY

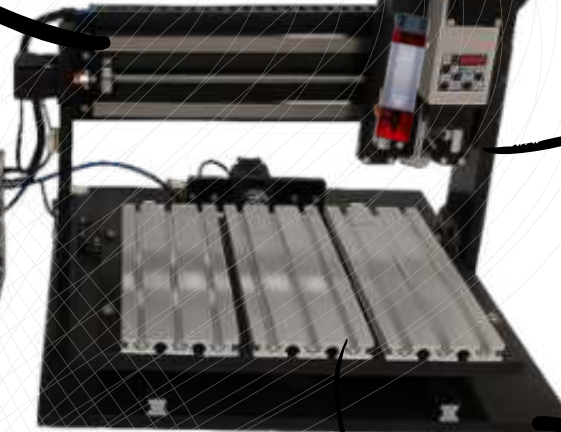
10W
DIODE
LASER
MODULE

SINGLE PHASE INPUT
ONLY



MACHINE CONTROL
BOX

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



EXTRUDED
ALUMINIUM
TSLOT
PROFILES

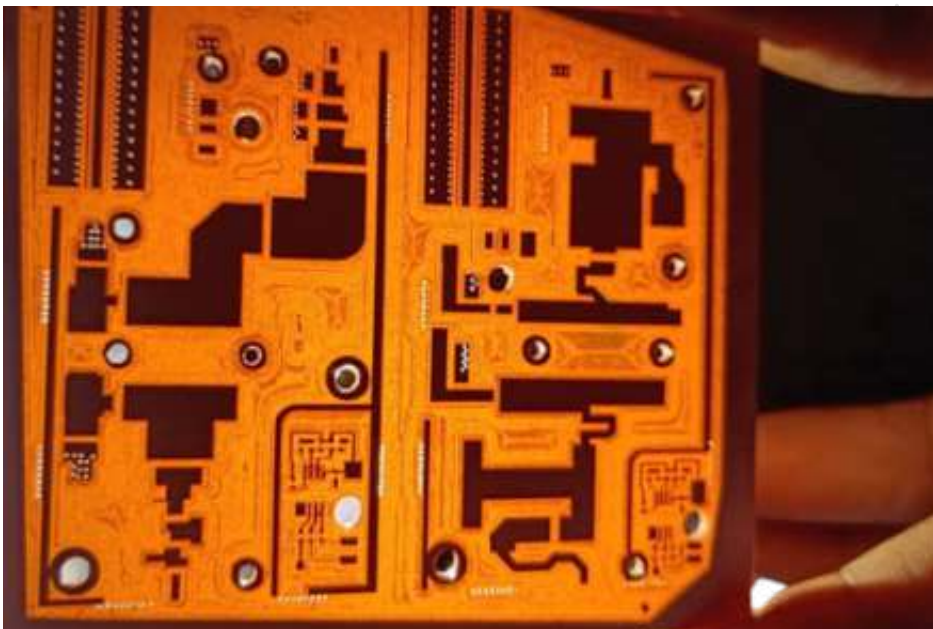
USE YOUR LAPTOP/PC

REQUIRES A USB 2.0 PORT &
OPEN SOURCE SOFTWARES

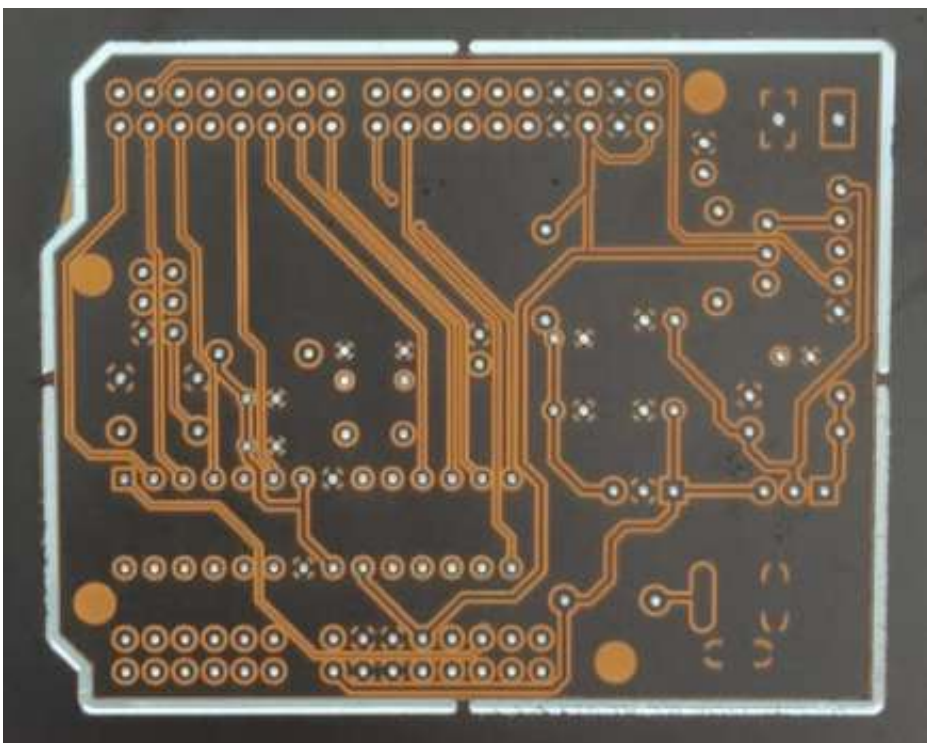
OTHER CONTROLLERS ALSO
AVAILABLE

PIONEERING COMPOSITE
SUPERSTRUCTURE WITH
LIFETIME WARRANTY

OTHER CONTROLLER OPTIONS ALSO AVAILABLE



[Video 1](#)



[Video 2](#)

HOW TO MAKE
DOUBLE SIDED
PCB'S

AKRIT
PRECISION SYSTEM



#TUTORIALS

[Tutorial Video -
PCB Making](#)

10W Diode Laser Highlights

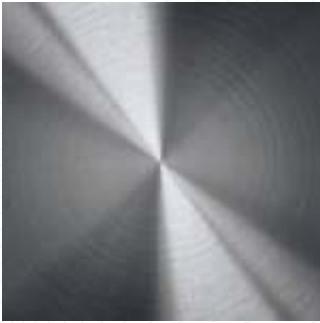


- Preinstalled on the machine
- Easily removable during spindle operations
- Switch between Laser & Spindle easily
- Facility to connect air compressor for better cuts with the laser
- Fully Licensed Lightburn software for laser
- Rated for 15,000 hours of operation
- Covered in 1 Year Machine Warranty

LIGHTBURN

BETTER SOFTWARE FOR LASER CUTTERS

SPINDLE COMPATIBILITY



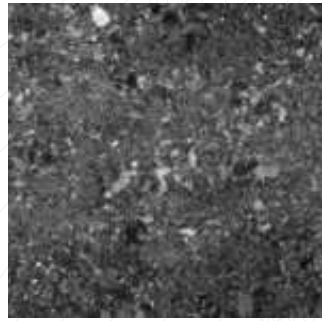
ALUMINIUM



EN 8 / 24 / 31 / 32 UNTREATED STEEL



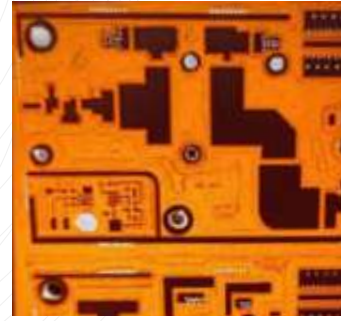
COPPER



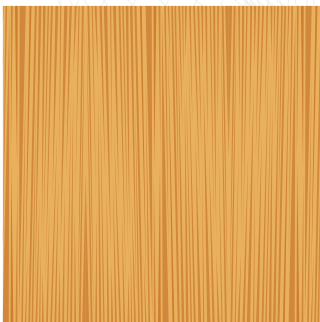
GRANITE



BRASS



PCB'S



WOOD



STONE



COMPOSITES



PLASTICS

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



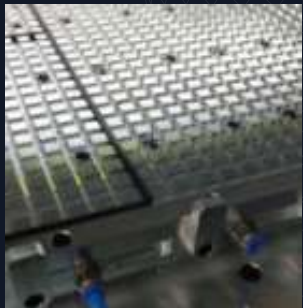
*with Arduino Controller Only

CLAMPING



**OPTIONS,
UPGRADES &
ACCESSORIES**

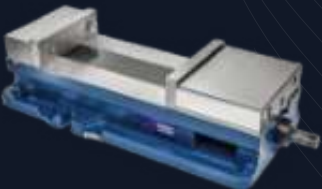
OTHER ACCESSORIES



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



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

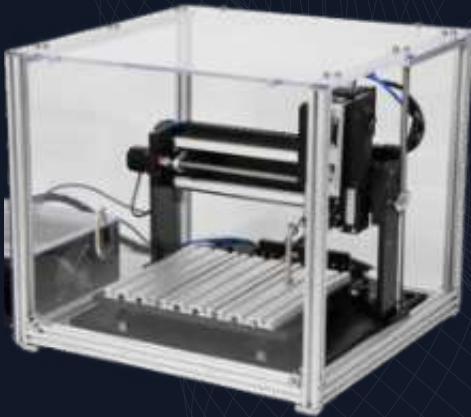
Teknomotor, Made in Italy

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**

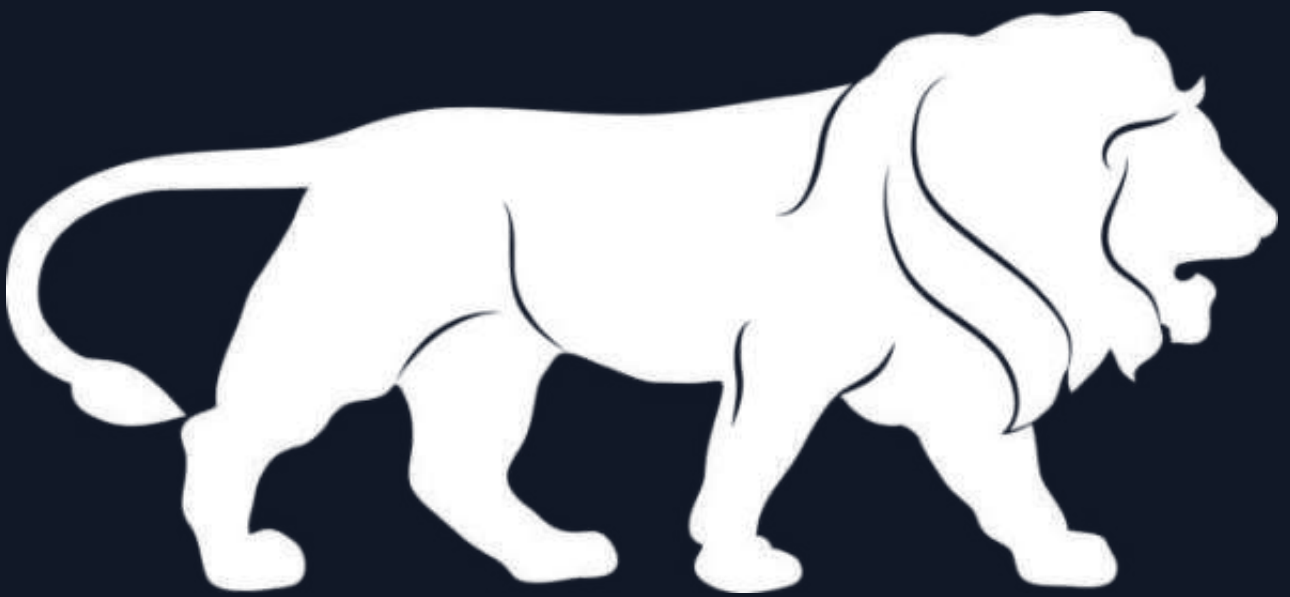
SERVOS



& OTHERS

Made in USA | Comprehensive 3 Years Warranty

PROUDLY
MADE IN INDIA



ENGINEER BEAUTIFUL