

Custom Insole Manufacturing



High Speed Spindle

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



High Precision

High Precision manufacturing of Insoles from 3D scanned files - Supports STL, STEP, IGES, OBJ file formats



Fast Manufacturing

Run fast multiple operations with confidence. Expect and deliver high quality custom made products in EVA, Rubber, Silicone etc.

Call / WhatsApp /
Telegram

+91 90190 54837



Our Location

Bangalore,
Karnataka
India

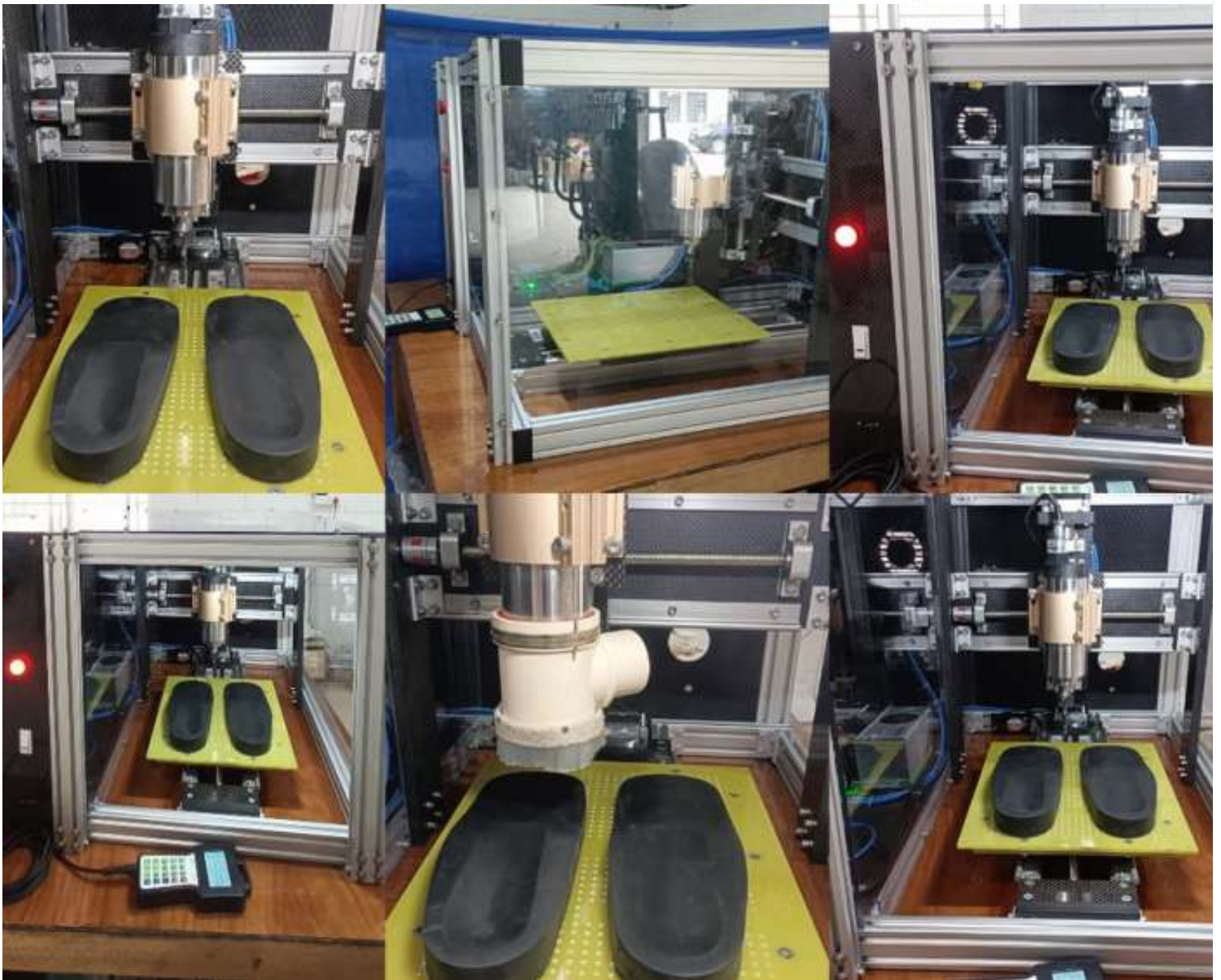


Technical Specifications

| | |
|---------------------------------------|--|
| 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 - Composite Superstructure | Carbon Fiber / Fiber Glass Superstructure - Desktop/Tabletop |
| Controller Type | Handheld Type Controller with USB Input - Made in India |
| Max Travel Speed (X, Y & Z) | 4 Meters / Minute |
| Spindle - Country of Origin | China |
| Spindle - Power | 2.2 KW / 2 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 Type | Air Cooled Spindle |
| Applications | Custom Insole Manufacturing |
| Drive - All Axis | Misumi High Throw Lead Screw - Acetal Nut - 15 MM - Made in Japan |
| Guides - All Axis | IGUS W Profile - Dust Tolerant - Lifetime Lubricated - Made in Germany |
| Drive Motors | NEMA 34 & 24 - Stepper Motor (Made in Japan & India) |
| Certified Repeat Positioning Accuracy | <50 Microns |

| | |
|------------------------------------|---|
| Tested Repeat Positioning Accuracy | Between 15-25 Microns / 0.015 to 0.025 MM |
| Spindle Control | Automatic VFD Control through GCODE/MCODE |
| Stock / Material Fixturing Support | Vacuum Bed for Raw Material Workholding - Vacuum Pump Not Included |
| 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 |
| Maintenance Contracts | 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 machine. Warranty applicable under normal operating conditions. |
| Certification | ISO 9001 & CE Certified |
| CAM Support | Fully compliant with GCODE / MCODE (GRBL) - Solidworks, Catia, Autodesk Fusion etc. |
| Tool Sensor | Z-Axis Touch / Non-Touch Sensor - Optional for Purchase |
| Materials Supported | Silicone, EVA, Rubber (All types), ABS etc. |
| Calibrated By | All of our measurements are made with Mitutoyo calibrated instruments |
| Power Input | Single Phase Input – 220V / 110V |
| Current Requirement | 16 Amp Plug Point Required |
| Bellow Implementation | Optional |
| Top Cover | Fully Covered Structure - Desktop / Tabletop Type |

| | |
|--------------------------|--|
| Dust System | Vacuum Dust Evacuation System - Vacuum Dust Collector Not Included |
| Estimated Machining Time | 12-15 Minutes- 1 Pair of Insoles |
| Software Compatibility | All CAD / CAM Software that can generate GCODE |
| File Formats Supported | STEP, STL, STP and other commonly used 3D file formats |



OrthoCut 4030

3 AXIS CNC

Highlights



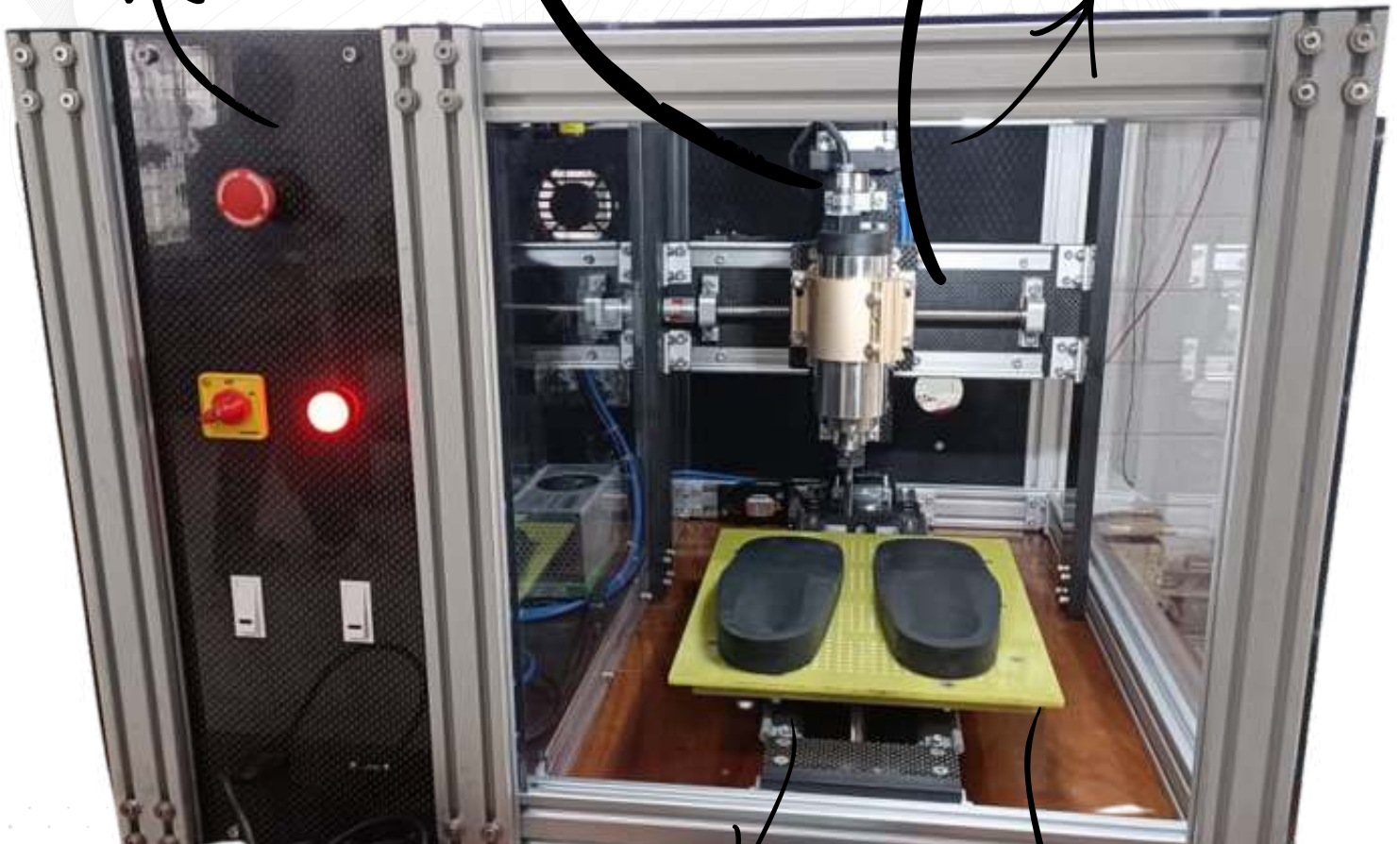
ONLY SINGLE PHASE
INPUT REQUIRED

24,000 RPM
ROUND SPINDLE

MISUMI HIGH THROW
LEAD SCREW - ACETAL
NUT - 15 MM
MADE IN JAPAN

INTEGRATED
CONTROL BOX

VACUUM DUST
CLEARING SYSTEM



NEMA 34 & 24 -
STEPPER MOTOR
(MADE IN JAPAN &
INDIA)

IGUS W PROFILE -
DUST TOLERANT -
LIFETIME LUBRICATED
- MADE IN GERMANY

VACUUM CLAMPING
SYSTEM



MADE IN INDIA
CONTROLLER

COMPATIBLE WITH



**EVA, RUBBER (ALL TYPES),
ABS, SILICONE ETC.**

ACCESSORIES INCLUDED WITH THE MACHINE

Cutting Bits

Milling Bits - 5 PCS,

---3MM Corning Bit

---4MM Corning Bit

---10MM Corning Bit

Collets for Spindle

ER 16/20/25 Collet (Based on Spindle) - 3 PCS

---3MM Dia

---4MM Dia

---10MM Dia

Others

-- Spanner Compatible with spindle Nut

-- Connector Cable - 1 Piece

- 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

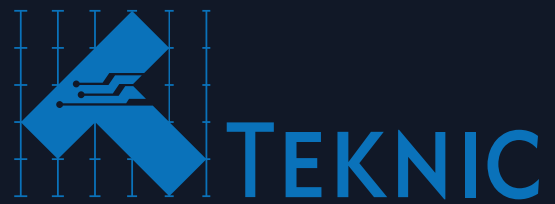
VACUUM PUMPS



SERVO MOTORS

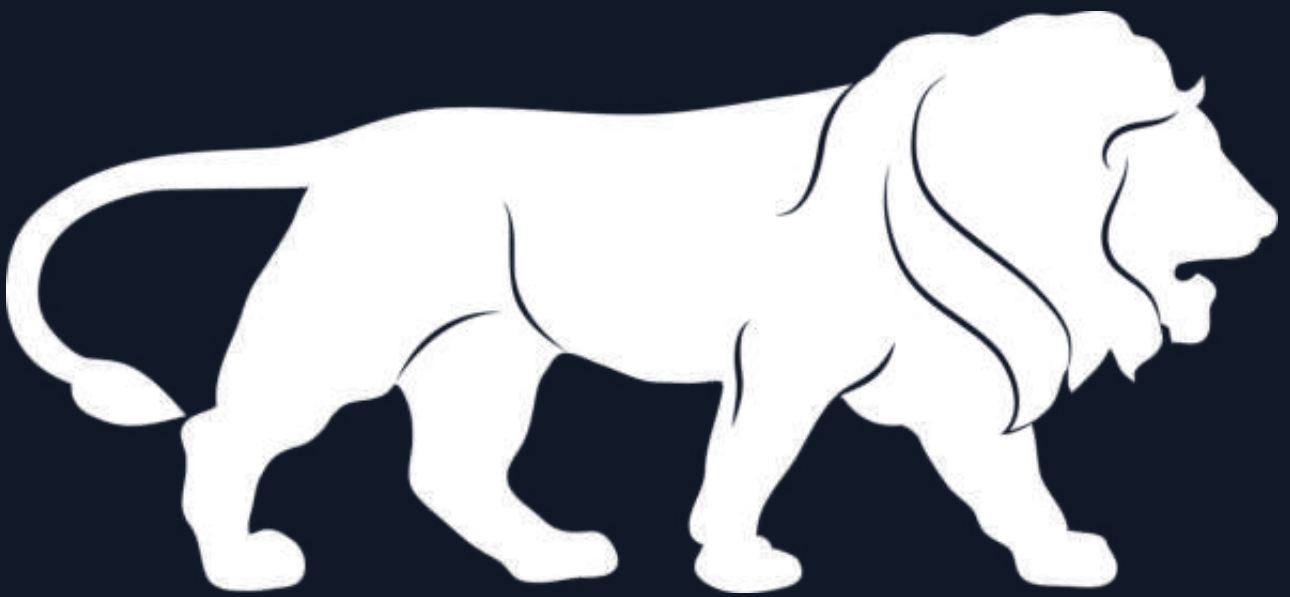
OPTIONS,
UPGRADES &
ACCESSORIES

VACUUM DUST EVACUATORS



Made in USA | Comprehensive 3 Years Warranty

PROUDLY
MADE IN INDIA



ENGINEER BEAUTIFUL