**Technical Specifications**

**SW-4040**

- **Total measures**
  - 1200x1050x1550 mm.
  - 400x400x200 mm.

- **Work area**
  - 400x400x200 mm.

- **Weight**
  - 500 Kg.

- **Workpiece clamping**
  - T-slotted aluminum profile table.

- **Guidance system**
  - HIWIN sliders on all axes.
  - Double line on each axis.

- **Transmission system**
  - High quality ball screws on XYZ axes. Model: TBI MOTION.

- **Transmission engines**
  - Stepper motors.

- **Spindle**
  - 1.5 KW - 2HP(cv) HQD brand.
  - Air cooled.

- **Tool change**

- **Numerical control**
  - DSP A11. Independent control.
  - No computer required.

- **Maximum speed**
  - On air: 6 meters/min.
  - Working: 5 meters/min.

- **Resolution**
  - +/-0.005 mm.

- **Included**
  - Set of 10 milling tools for soft materials.
  - Probe for zeroing Z axis.

- **Power supply**
  - 220 V.

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**Warranty and Certificates**

Warranty covers manufacturing defects or events not qualified as “misuse of the equipment” according to applicable conditions. All parts are guaranteed for 6 months from the date of purchase. RBE (Repair By Exchange) Guarantee. Does not include labor or travel costs.

Together with the guarantee of quality and industrial performance that we provide as manufacturers, and that is backed by a large number of customers, another fundamental element that differentiates our products is their certification and CE marking (European Conformity), which in our case means that the manufacturing and delivery processes have been audited by an external entity, which has endorsed that they are compliant with harmonized European regulations, respecting the relevant health and safety requirements, and therefore their manufacture, marketing and use is authorized in any country of the European Union.

Always choose a product duly approved and marked, since there are quite a few examples of products on the market WITHOUT THE CE MARKING or WITH AN INCORRECT OR FRAUDULENT CE MARKING, which can derive in the withdrawal of the machine by the competent inspection and control authorities, to problems with insurance, civil liability or labor risk prevention regulations.

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**Milling Tools Supply**

We have a wide range of milling tools for all materials at very affordable prices. Contact us and we will send it to you.

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**Industrial Standard Classification Code**

08-A-284-13020079

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**Industries with our products**

- Metalworking
- Automotive
- Aerospace
- Energy
- Medical
- Electronics
- Packaging
- Food
- Agriculture
- Construction
- Furniture
- Textiles
CNC MILLING MACHINE
SW-4040

for small jobs with HIGH PRECISION

- Robustness
- Precision
- Easy to use

For small jobs, with high precision and with cooling in the milling cutter for metal machining. In this milling machine, it is the table that moves on the Y axis to give greater precision and avoid vibrations.

**Structure**
Structure made of aluminum and bridge made of steel, ready for heavy duty jobs.

**Table**
Formed by grooved aluminum profiles, T-shaped. Jaws are provided for fastening the parts to the table.

**Numerical control**
Named DSP (Digital Signal Processing) controller, allows to position the machine and start the jobs in a quick and simple way, compared to other systems that require complex learning.

**Spindle**
Air-cooled, high frequency and brushless motor.
- Power: 1.5 KW - 2 HP.
- ER20 milling tool holder (1 to 13 mm)
- 4,500 to 18,000 rpm. Adjustable speed using numerical control (DSP). Able to reach 18,000 rpm and perform cutting, engraving, 3D reliefs in wood, plastics, resins, foams and many other materials.

**Axis Guidance System**
HIWIN sliders. Double line on each axis.

**Transmission**
High precision steppers motors. NEMA 34 model 450B.

**Controller cards**
Two phases Micro-Step drivers.

**Transmission system**
A calibrated ballscrew is used on all axes to transmit the force of the stepper motors. This provides maximum precision. TBI brand.

**Samples**
3D wood bust machining
Cut of corporeal letters
3D milled heraldic shield, on wood
3D wood milling
Wood cutting
Cutting and folding of composite aluminum (alucobond)
6 mm aluminum sheet cut
3 mm aluminum sheet cut
3D milling of an aluminum mold
Iron engraving
Copper medal engraving
POM machining
**SW-4040**

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**MILLING TOOLS SUPPLY**
We have a wide range of milling tools for all materials at very affordable prices. Contact us and we will send it to you.

**INDUSTRIAL STANDARD CLASSIFICATION CODE**
08-A-264-13020079

**WARRANTY AND CERTIFICATES**
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