

# Green ceramic CNC milling machine

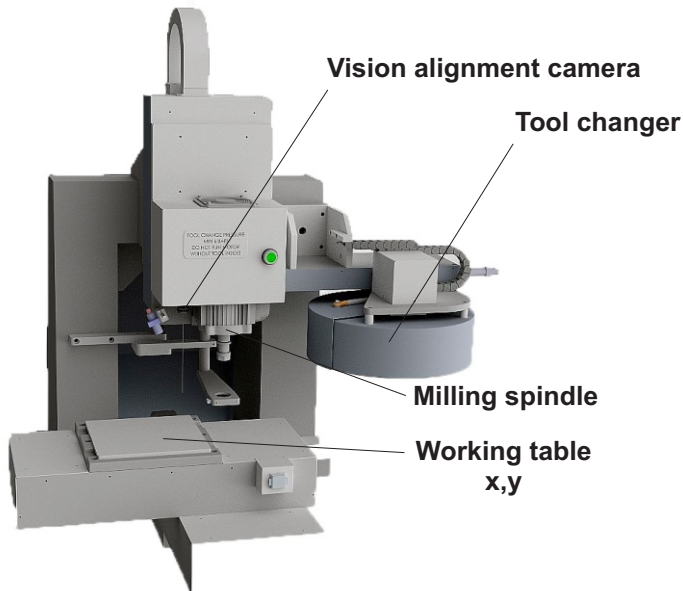
## CNC-MM



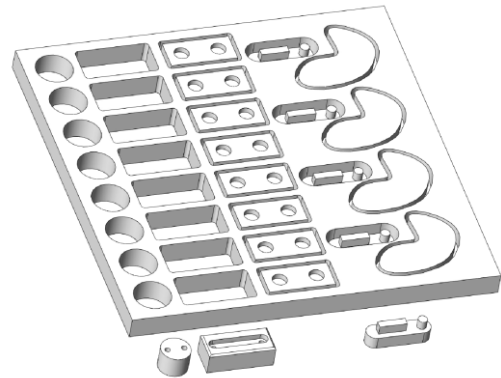
- For milling and drilling any shape out of green ceramic or other material
- Automatically align cuts against electrodes or fiducial marks
- Automatic tool changer for 8 tools
- Easy programming using standard G code and a CAM program
- Simple operation
- Special designed for green ceramic machining

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For quick production of 2D or 3D parts



Characteristic products examples



Operator places work on to working table. Work is fixed by vacuum. Table moves below camera observing 2 to 4 alignment marks. Milling coordinates are calculated. Machine mills parts according to the program and calculated position. During milling cuttings are removed by pressurized air and collected by vacuum suction in container. Any 2D or 3D CAM file can be used as base for programming milling strategies using a standard ISO G code CAM software. Automatic tool charger for 8 tools, special milling spindle and guidance protections for green ceramic machining.

## Technical specification:

- Number of tools: 8
  - Spindle speed: 1000 to 12000 r/m
  - Table size: 280 x280 mm
  - Working area: 230 x230 mm
  - Z stroke: 160mm
  - Table moving speed: up to 200mm/s
  - Positioning accuracy: 10 microns
  - Tool holder: ER20 / SK20
  - Control: PC
  - Number vision cameras: 1
  - App. dimensions: L x W x H: 2,2 m ( 86 inch) x 1,8 m ( 70 inch) x 2,1 m ( 82 inch)
  - Weight: app. 1200kg
  - Electricity: 3 x 360-415V, 50/60Hz, or according to the customer requirements
  - Power: app. 6 kW,
  - Compressed air: 0,8 MPa, 300 L/min.
  - Vacuum cleaner: included
- Options:
- vacuum pump or factory vacuum line connection in order to reduce air consumption

### How to order:

#### Machine type

# CNC-MM1TC

TC - TOOL CHANGER

\* Contact supplier for special requirements.



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