

# Fully Automatic CNC Wood-Coping Lathe

# CHALLENGE-2000

**Max. distance between centres** (with tailstock being pivoted): **2500 mm**  
**Max. diameter** (without magazine): **360 mm**

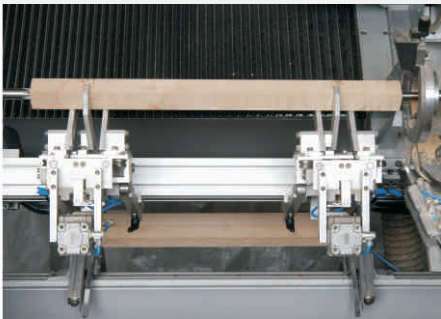
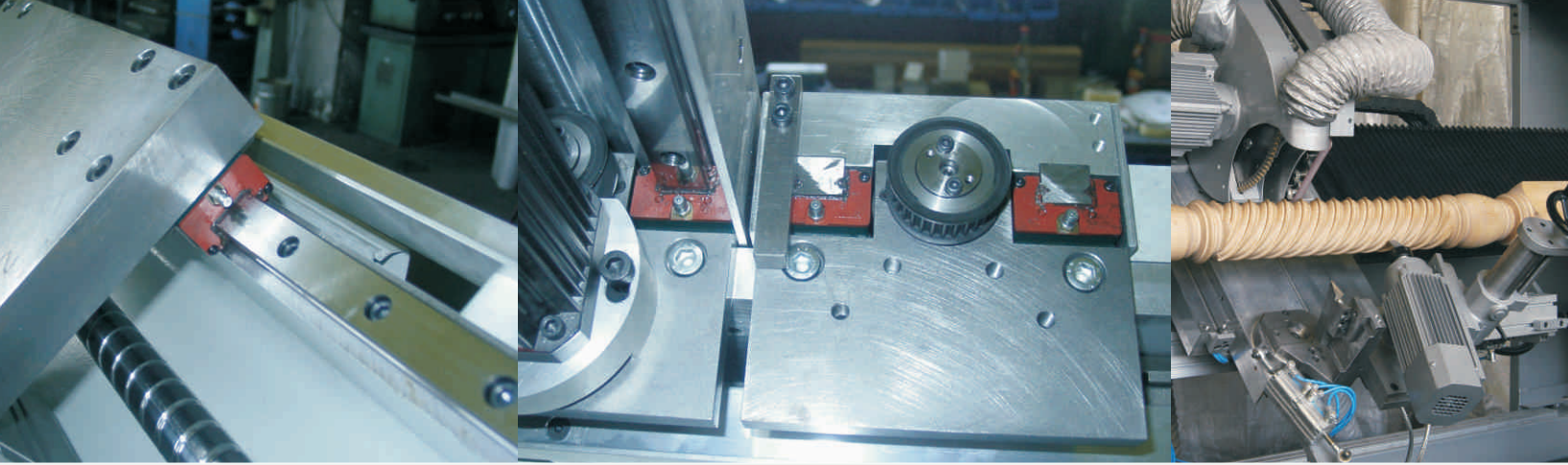
This fully automatic machine combines all important functions: turning, milling, channelling, engraving, drilling and grinding.

A precise and efficient fully automatic CNC wood-copying lathe with hardened and sharpened linear guides for all axes. Available as 3 and 4-axis machine with servo motor controlled by CAD software MegaCAD, servo main spindle drive, can be programmed via CAD software, incl. machine encasing with swing door upwards. For manufacturing round profiles and channelled workpieces.

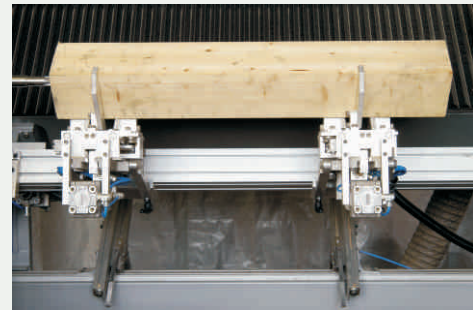
Three-phase alternating current milling spindle to channel and engrave, with infinitely variable speed regulation by means of frequency converter, milling unit can be pivoted in all directions and adjusted in height.

*Very precise and efficient wood-copying lathe. Made of high quality grey cast iron free of vibration. Top quality, noise-reduced, excellent accuracy.*





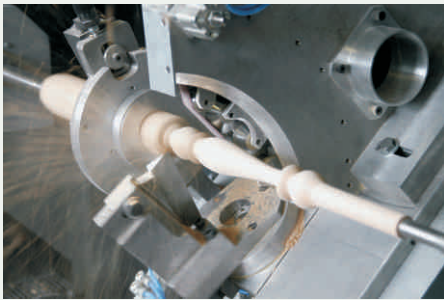
The magazine / inserting device centres rectangular blocks of wood of 20 up to 120 mm and a length of 100 up to 1800 mm automatically without adjustment.



Without magazine operation (only as insertion device) rectangular blocks of wood of up to 200 mm can be inserted.

### Special features of the CHALLENGE 2000:

- **Distance betw. centres:2000 mm**  
(standard)
- **Copying length: 1800 mm**  
(standard)
- **Distance betw. centres:2500 mm**  
(with tailstock being pivoted)
- **Copying length: 2000 mm**  
(with tailstock being pivoted)
- **3 or 4-axis drive**
- **Automatic copying turning steel pivoting device**
- **Simple and practice-oriented operation**
- **Very small training course expenditure**
- **Magazine operation**
- **Inserting device with manual adjusted centering**
- **MegaCAD programming**



The belt grinding unit on 4<sup>th</sup> axis with PC switching, pointed and flat grinders for round profiles.

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