



CNC-WOOD TURNING LATHE 7000-CNC

For extensive operations and serial parts

For the production of big workpieces and to satisfy highest demands on precision, the 7000-CNC presents all technical advantages, which are characteristic for an efficient CNC wood turning lathe. The 7000-CNC is a very precise and powerful machine in heavy grey cast iron and first-class workmanship made in Germany.

As an option, we offer this machine with a laser scanning equipment to scan original workpieces. Furthermore it is possible to produce almost all kinds of groovings by mounting the additional milling unit.

Due to the follower rest, the turning of thin parts is also possible.

DISTANCE BETWEEN CENTRES: 1.800 mm, 2.900 mm, 3.700 mm

(calculated with short six-pronged dog and short live centre)

COPYING LENGTH: 1.620 mm, 2.720 mm, 3.520 mm

(calculated with long six-pronged dog and long live center and four-jaw back rest.

By using the ring-follower rest, additional 120 mm must be deducted)

COPYING DIAMETER: 400 mm

HEIGHT OF CENTRES: 300 mm

SPECIFIC CHARACTERISTICS OF THE 7000-CNC:

- Headstock and machine bed in high quality grey cast iron with milled and polished bed slideway.
- Bearing of the hollow shaft free from backlash (suitable for connection of vacuum device) with thrust M 45 and inner cone MK 4.
- Bearing of the slide on linear guideways with servodrive.
- The use of the ring-follower rest and steel for rough cutting make the planing of the feedstock unnecessary.
- Tailstock in massive grey cast iron with eccentric quick clamping and cone MK3
- Production of thin parts is possible due to follower rest.
- Option: lathe tool swivel device for a continuous cut, even for balls and grooves.

FURTHER CHARACTERISTICS OF THE 7000-CNC:

- Simple and practice oriented operation with specific turning functions.
- Due to the utilization of simple 2D CAD-software, very little training is necessary.
- Utilization of common, commercially available PC hardware.
- Production of many workpieces from wood-bar is possible.
- Groovings can be realized with as many graduations and leads as you like.
- Therefore, we offer as an option a simple and robust router unit mounted vertically and fix at height of centres or an unit adjustable in height and swivelling in several senses to execute any imaginable operation.

DRIVE:

4 kW motor, 400 volts, 3-phase, 50 Hz, infinitely variable speed range from 375 to 2700 rpm

Option: pole-changing motor 2.6/4.2kW for increased speed range from 270 to 3.500 rpm

Safety electricity according to VDE with undervoltage release and lockable switch, index of protection IP 54

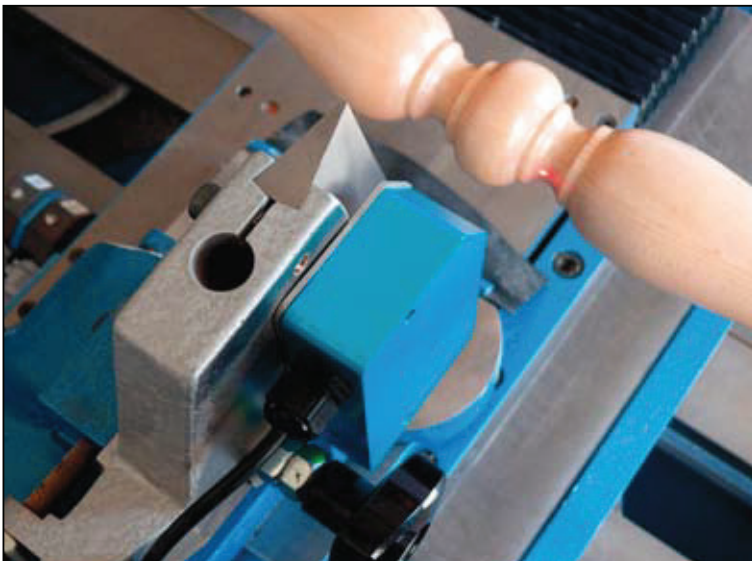
In case of 3-axis version, regulated servodrive with speed range from 0 to 4.000 rpm.

DIMENSION (STANDARD): L= 3250mm, L= 4350mm, L= 5150mm, B=1260 mm, H= 1.300 mm

Weight (standard): approx. 1000 kg to 1600kg depending on type

LASER SCANNING OF ORIGINAL PARTS

As an option, we offer a laser scanning device to scan original workpieces, rework them on CAD and reproduce them as many times as necessary.



Specifications subject to change!