

WEMA JOKER 7000 CD - Copy turning and milling Machine



The CD model has more features than the **JOKER 7000 copy turning Machine** (also referred to as a copy lathe). When turning highly detailed profiles the speed at which the cutter travels can be programmed up to 6 zones. With the variation of the position of the cutter, a turning diameter up to 380 mm is easily achieved in copy mode. Knowledge of NC is not required for programming.

The **WEMA JOKER 7000 CD** shows the features of the **JOKER 7000**: the copying slide runs on hardened and grooved low-maintenance ball transfer guides. The lathe chisel is located very close to the revolving collar plate which guarantees vibration-free turning of the workpiece profile.

The profile is scanned hydraulically using the specimen or profile template.

The standard design of the machine is equipped with 2 programmable axes: one longitudinal axis and one turning axis.

The drive unit for the supports is fitted to the rear of the machine to provide plenty of space and freedom of movement on the operating side. The operating and control elements are both coordinated on a travelling control panel. All wires and ducts are collected in an energy guide chain to prevent disturbances. All control and electronic components are located on the machine tool table. A separate electrical-control cabinet is therefore not required.

The machine can be quickly changed from turning to milling by means of a quick-change system.

The hydraulic copying equipment can be used for face turning up to diameters of approx. 450 mm by attaching an additional tool.

The particularly heavy cast iron base is completely rigid and torsion-free.



Milling unit with vertical cutter head



Milling unit with horizontal cutter head



By use of 2 copy carriages, turning and milling can be made in one mounting.



copying from original



quick loading device

Technical Data

Maximum width:	Standard design 1600 mm, turning length with collar plates 1450 mm
Maximum height:	300 mm. Maximum turning diameter via support: 380 mm
Feed motion:	Infinitely variable. quick return motion with main limit switch
Spindle:	M 45, collar 46 mm. inner cone MT3. Hollow spindle with 14 mm bore diameter, with reinforced triple bearing by means of precision angular ball bearing
Tailstock:	Eccentric quick gripping and safety lathe base gripping, sleeve MT3, sleeve lift 150 mm. With adjustable articulated quick-action lever, upon request
Collar plates:	Ring collar plate for 15 - 75 mm / 80 - 130 mm diameters with quickly interchangeable insertion rings, two four-jaw collar plates, infinitely adjustable for diameters from 30 - 60 (15 - 45) mm / 60 - 100 mm / 120 - 180 mm.
Spindle motor:	3.0 kW rotary current / optionally 4.0 kW. infinitely variable speed within two ranges: 200 to 2000 RPM or 350 to 3400 RPM
Feed axes:	Controlled longitudinal axis and rotational axis (spindle). Enter lengths with various speeds for turning, as well as pitches and gradients when milling (automatic milling cycles). Driven by maintenance-free step motors
Lateral axis:	Hydraulic profile scanning using samples or templates. Copying lift: 100 mm
Voltage:	400/230V, 3/PF/N, 50 Hz., special voltage upon request
Suction:	For ring collar plates and support: 100 mm diameter respectively
Dimensions:	L = 2730 mm, W = 1200 mm, H = 1300 mm
Weight:	Approx. 750 kg

Technical alterations reserved.