

JOKER 8000 CNC Controlled turning and milling Machine



The **WEMA Joker 8000 CNC** is a further development of our tried-and tested **WEMA Joker 7000 CNC**. The turning support and the longitudinal slides run on hardened and ground low-maintenance ball transfer guides, on which the tailstock is guided extra precisely. This is very advantageous when turning large parts like columns. The lathe chisel is located very close to the revolving collar plate which guarantees vibration-free turning of the workpiece profile. Collar plates and accessory parts can be retrofitted at any time.

The standard design of the machine is equipped with 3 programmable axes: two feed axes and one rotational axis for milling. The **WEMA Joker 8000 CNC** can also be delivered as 4 axis machine with 2 turning axes.

All profiles can be designed using MEGA CAD transferred to the machine via interfaces. The machine can work unhindered during programming periods. A large memory area (32 MB) allows storage of approximately 2000 programs. One PC is sufficient for several machines.

The drive unit for the supports is fitted to the rear of the machine to provide plenty of space on the operating side. The operating and control elements are both coordinated on a travelling control panel without disturbances. All control and electronic components are located on the machine tool table. A separate electrical-control cabinet is therefore not required. The infinitely variable drives allow quick adjustment to optimum cutting conditions, thereby guaranteeing optimum turning and milling quality. The machine can be quickly refitted from turning to milling by means of a quick-change system.

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



program-controlled drilling unit



program-controlled tool changer with 4 tools



program-controlled pick-and-place unit



quick loading device



Turning with 2 cutters



Turning and milling



Steady for milling



Milling unit with horizontal cutter head



Milling unit with vertical cutter head



Ring follower steady 15-75 mm or ring follower steady 80-130 mm with quick interchangeable discs

Technical Data

Maximum width:	Standard design 1600 mm, 1950 mm, 3100 mm and 4100 mm.
Maximum height:	360 mm, maximum turning diameter via support: 480 mm.
Feed motion:	Infinitely variable. Quick return motion with main limit switch.
Spindle:	M45, collar 46 mm, inner cone MT 3. Hollow spindle with 14 mm bore diameter, with reinforced
Tailstock:	triple bearing by means of precision angular ball bearing.
Collar plates:	Eccentric quick gripping and safety lathe base gripping, sleeve MT 3, sleeve lift 150 mm. With adjustable articulated quick-action lever, upon request. Ring collar plate for 15-75 mm / 80-130 mm diameters with quickly interchangeable insertion rings. Four jaw collar plates infinitely adjustable for diameters from 30-60 mm, 60-100 mm, 100-140 mm and 140-180 mm.
Spindle motor:	Transmission device. 4,0 kW rotary current infinitely variable speed within two ranges: 150-1500 or 400-4000 RPM.
Feed axes:	Two feed axes and one rotational axis (spindle) Driven via maintenance-free AC-
Voltage:	servomotors.
Suction:	400/230 V, 3 P/N/PE, 50/60 cyc. Special voltage upon request.
Milling unit:	For ring collar plates and support: 100 mm diameter respectively. Motor 3.0 KW, infinitely variable speed from 6000-18000 RPM. Collet chuck attachment up to 16 mm in diameter. Adjustable height and swivelling in two directions up to 90° .

Technical alterations reserved.