

Minicutvis - code 6877.000 Automatic Milling Machine for Specimens Preparation



CEAST's Minicutvis is the most advanced and computerized CNCmilling machine for preparation specimens from hard materials (such as reinforced plastics), required when other specimen preparation systems are not suitable.

The cutting system is completely PC controlled by dedicated software. It is able to mill specimens with a profile that can be selected from pre-programmed profiles, according to international standards, or custom designed by the operator.

The Minicutvis is supplied with an instruction manual with the complete instructions for programming any profile desired.

The Minicutvis, whose working station consists of a milling machine working in X, Y and Z axis, can cut specimens for a full range of test shapes according to various test methods such as: Tensile, Compression, Izod, Charpy, Falling Weight, HDT/Vicat, Creep, Stress cracking, Brittleness and others.

The speed of movement along each axis (X orY) and the single pass depth can be selected.

The speed of the milling tool can be adjusted manually from 8,000 to 24,000 rpm.

The instrument is supplied with tungsten carbide mill diameter 6 mm, 6 mm pliers, spindle spanners and clamping brakets.

International Standards

The specimens that can be obtained using the Minicutvis are in accordance to the following standards: ISO, ASTM, BSI, DIN, AFNOR, UNE, UNI and other equivalents.

Safety

The Minicutvis is equipped with an integral, sturdy shield and switches that fully comply with European Safety Directives.

Technical Characteristics

•	Strokes XYZ [mm]	X300 x Y210 x Z160
•	Drive	12 mm ball screw, 5 mm pitch, backlash
•	Axis resolution	3 micron
•	Numerical control	CNR2
•	Traveling speed [mm/s]	up to 100; suggested is 15 - 20
•	Rotating speed [rpm]	8.000 to 24.000
•	Height under gantry:	115 mm

Technical Characteristics		
Overall dimensions (LxDxH) mm	620 x 820 x 730 (opened: 620 x 880 x 920)	
Mass kg	81 approx.	
Supply	230 V - 50 Hz - Singlephase for 60 Hz, code 6844.000.60	
Power W	850	

"Due to the continuous development policy of CEAST's Research and Development Department, changes may be introduced without notice"

