

## PRECISION MILLING

# CNC COPY MILLING MACHINE

The CNC (computer-controlled) milling machine is ideal for preparing plastic pipe samples ('dumbbell' or 'dog bone' specimens) for e.g. tensile tests and other types of elongation tests.

The CNC miller is supplied with pipe samples templates according test standards applying for plastic industry.

The large model, 2U has a working area of 600 x 420 mm and the 4U working area is 310 x 220 mm. Three axes (X, Y, Z) are available on both. The CNC controller (plug and play) is included together with the software to be installed on a PC (PC not included). Software for engraving, cutting and drilling is included but not pre-programmed.

**PROVEN TECHNOLOGY**

55+ years of research & experience supplying high-end test equipment worldwide is brought to use in this proven technology

**EFFICIENCY AND SPEED****FAST PRECISION**

- Fast and easy operation
- High precision
- High frequency spindle with integral electronic speed drive
- Double guides by rectified steel prismatic rails with ball recirculation shoe

PRECISION MILLING

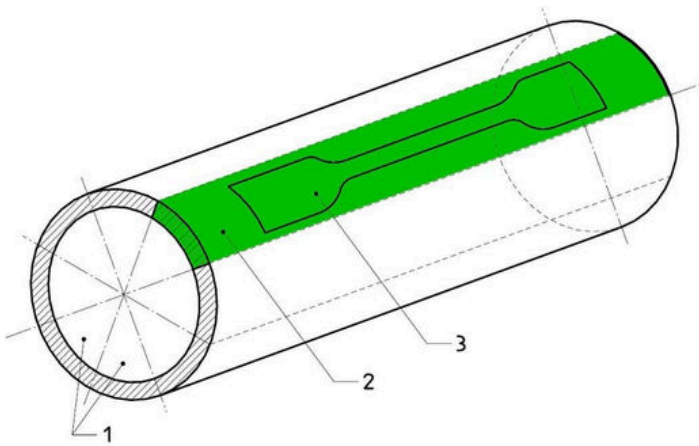
# INTUITIVE & SAFE

The milling machine consists of a base frame with a linear movement milling top. Three axes (X, Y, Z) on both models, 4U and 2U.

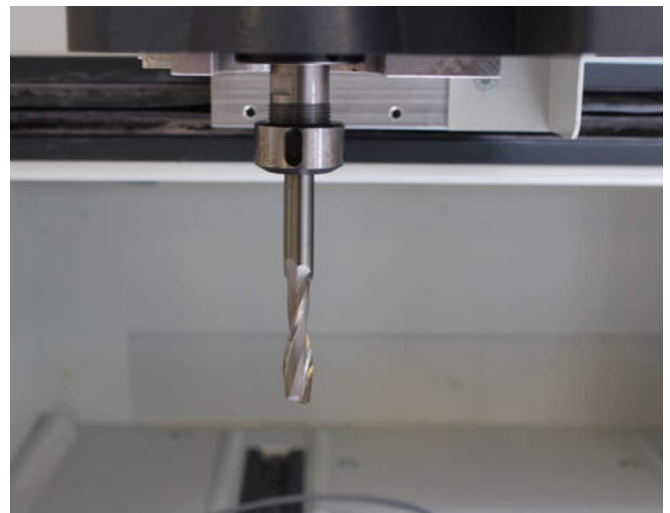
The spindle is equipped with a nozzle and pipe to remove the milling swarf/chips from the table.

The protection hood shield with 180° visibility ensure safe operation and electromagnetic sensors prevents initiation of milling process while the hood is open.

The CNC can be supplied with a vacuum device removing the soft milling swarf.



- Key**  
 1 Sectors  
 2 Strip  
 3 Test piece



CNC Milling Machine	Model 8005100 2U, large	Model 8005101 4U, small
Sample thickness (max wall thickness)	Up to 110 mm	Up to 50 mm
Material	any plastics or composite material	any plastics or composite material
X stroke	600 mm	310 mm
Y stroke	420 mm	220 mm
Z stroke	280 mm	160 mm
Table size	640 x 680 mm	375 x 320 mm
Passage between columns	810 mm	450 mm
Passage under gantry	250 mm	115 mm
Passage under spindle nose	285 mm	165 mm
Maximum speed	100 mm/s	100 mm/s
Maximum federate	100 mm/s	100 mm/s
Resolution	0,003 mm	0,003 mm
Dimensions	L985 x D1300 x H1070 mm	L620 x D850 x H730 mm
Weight	170 kg. approx.	81 kg. approx.
Power supply:	220-240V AC, 50-60Hz	

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