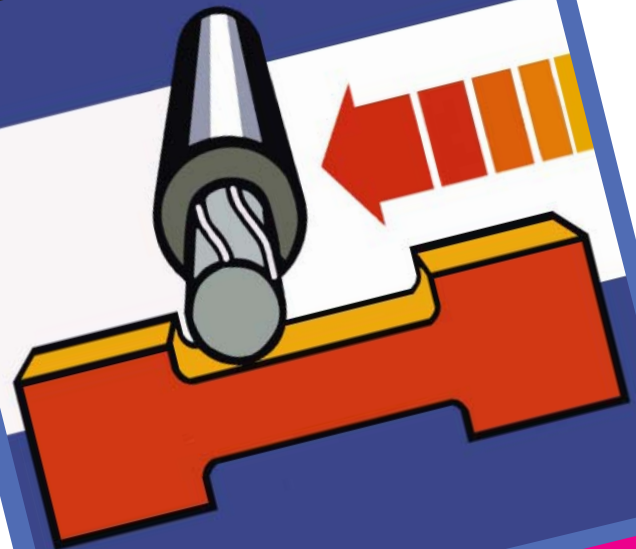




# CONTOUR CUT



**DESIGN AND PRODUCTION OF  
INSTRUMENTS AND APPARATUS  
FOR QUALITY CONTROL  
ON MATERIALS**

**These instruments are made in  
compliance with CE health and  
safety requirements**



### Scope

Ceast Contour Cut, copy milling machine has been developed to prepare specimens according to international standards and specifications. A series of master templates enables the exact quick reproduction of sample shape and size.

Speed and reproducibility are ensured by:

- 1) High cutting speed and mill performances
- 2) Shape and sizes of milling flutes
- 3) Easy and safe operation

Chips and trim are eliminated by a built-in suction system which also ensures cooling without deformation of the specimen.

The Contour Cut is specifically designed to prepare specimens for the following test procedures:

- Tensile and elongation by traction
- Compression stress
- Flexural stress
- Fatigue stress
- Resilience determinations according to various standards and other equivalent or similar.

### Technical Characteristics

- Rotation speed 20.000 r.p.m.
- Cutting speed with fluted mill  $\varnothing$  12.7 mm = 13.3 m/s  
with fluted mill  $\varnothing$  6.35 mm = 6.65 m/s  
with 8-fluted mill  $\varnothing$  2650/s approx.  
with 4-fluted mill  $\varnothing$  1350/s approx.
- Chips per second 500 x 240 mm
- Working table area 0.01 mm
- Template feed rate with respect to the fluted mill 6 mm
- Maximum feed of template 20 l capacity - 140 m bar depression  
as per enclosed list
- Suction system (built-in) Tungsten Carbide 8-fluted mill  $\varnothing$  12.7 mm - code 6490.021  
Tungsten Carbide 4-fluted mill  $\varnothing$  12.7 mm - code 6490.022
- Interchangeable master templates Tungsten Carbide 8-fluted mill  $\varnothing$  6.35 mm - code 6490.023  
Tungsten Carbide 4-fluted mill  $\varnothing$  6.35 mm - code 6490.024
- Interchangeable cutting tools Diamond plated mill  $\varnothing$  12.7 mm - code 6490.025  
Diamond plated mill  $\varnothing$  6.35 mm - code 6490.028  
Head for mill  $\varnothing$  6.35 - code 6490.053



### Templates for Contour Cut

These "Templates" are to be used with "Contour Cut" to obtain specimens according to standards. Made of carbide steel, they are machined so as to give perfect reproduction of the required profile.

### Technical Characteristics

Overall dimensions (L x D x H) mm	500 x 480 1125
Mass kg	120
Supply	230 V - 50/60 Hz - Singlephase
Power kVA	600
Paint	fuchsia RAL 4006 - gray RAL 7035

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



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