



# POLYTEST

## CNC Model 1 Profile Cutter

### Power

220 v @ 50hz

115 v @ 60hz

### Software

Drop Down Menus  
3D Graphical Display

**Table Size**  
500mm x 440mm

Windows format  
mouse / key operated

**XYZ Axis**  
X = 300mm  
Y = 260mm  
Z = 80 mm

collets  
for end mill  
tool holding

Programs  
to any test  
standard  
written by Ray-Ran

Safety Cabinet  
Enclosure

Spindle Speed  
8,000 to 32,000 RPM



Certificate No. 4915

## World Wide Testing for Quality

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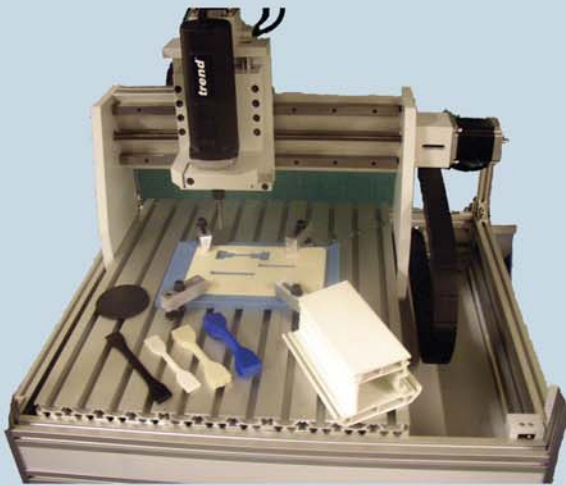
[www.ray-ran.com](http://www.ray-ran.com) email : [polytest@ray-ran.com](mailto:polytest@ray-ran.com)

## Product Overview

The Ray-Ran CNC Model 1 Profile Cutter is a vertical 3 axis rapid prototyping milling machine that can be used for many applications, but primarily for the cutting of test samples. It is supplied as standard with serial interface for a personal computer or laptop, and versatile but user friendly Windows™ Flashcut? CNC PC software.

This a bench top unit measuring 67cm wide, 55 cm deep, 78 cm high.

Milling on the CNC Test Sample Profile Cutter is a profiling machining process, which means that the cutter is passed around a piece of material and a shape is formed. This is not usually the case with milling machines as the process is usually a generating process. The spindle is high speed, capable of taking side-loads as well as end loads. This is all controlled by a personal computer. The CNC Test Sample Profile Cutter's three table motions are classified X, Y and Z axis, and are standard to most industrial operations.



Standard Clamping & tooling Kit

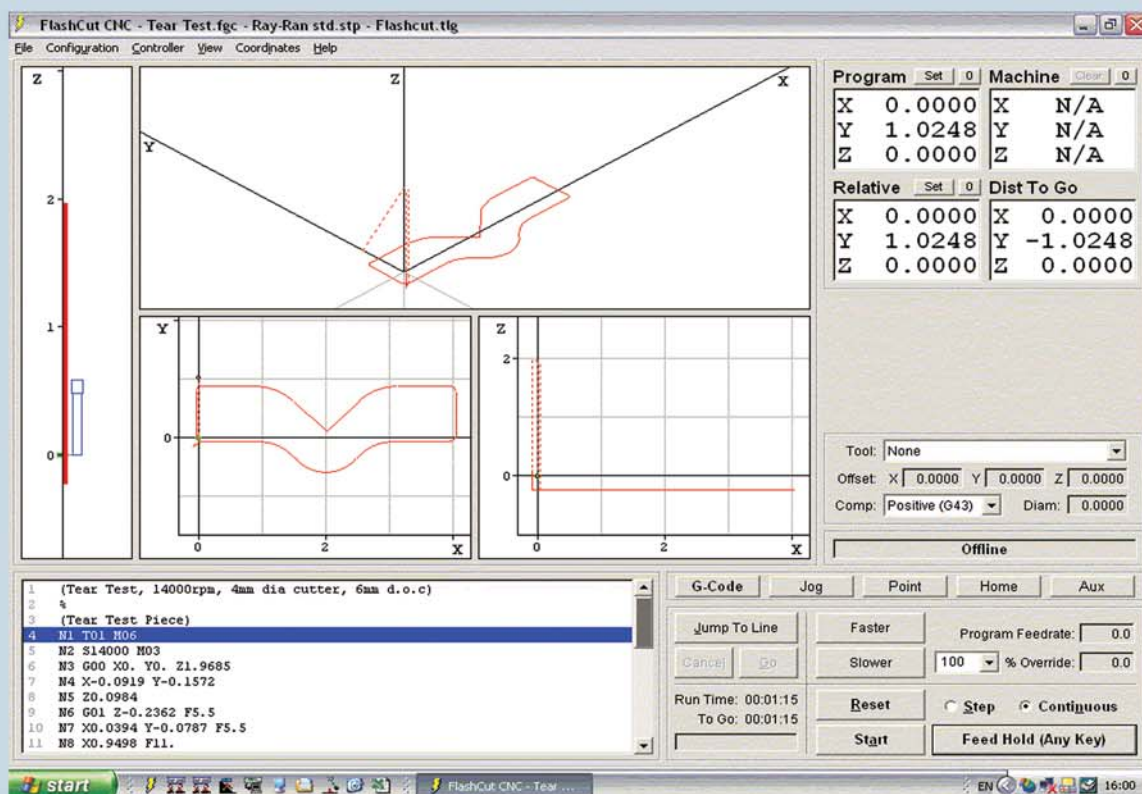
## Windows Flashcut CNC PC Software

The Ray-Ran CNC Test Sample Profile Cutter is supplied as standard complete with computer interface cabling and Windows™ Flashcut? CNC v2.01 PC software.

CNC programs are available at low cost for any shape or size of test sample profile to any International test standard, and may be purchased together with the apparatus or at a later date as required.

Importation of CAD .DXF files and posted CAM files from various CAM software programs can be performed, whilst industry standard G & M codes assure RealWorld implementation. Pre-written CNC programs are available direct from Ray-Ran for any shape or size of test sample to any International test standard, eliminating the need for CAD trained operators. For the advanced user, the system has been designed to accept industry standard G & M codes ensuring full compatibility with leading professional computer aided design software.

The CNC test sample profile cutter has been designed to complement the Ray-Ran test sample injection moulding apparatus and the Ray-Ran range of test sample cutting products, so that even the very thickest of materials can now be accommodated.



## Computer Control Screens

Pull down menu bar for program listing box and help menu, Message box for the current status selected, Set up menu for machining and cutting parameters Tool positions for program, manual, position and seek home, Co-ordinate menu for program, machine, and relative positions ,Command buttons to undertake selected tasks, Control selection box for move modes such as jog, point and home, Radio buttons to select cutter speed options



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