



## Labcut 250PC & Powercut 250PC

---2 cutting machines for Carbide Rods and other Hardmetals

### Design features:

Top clamping fixture ensures clean cuts without chipping

Clamping of short rod lengths

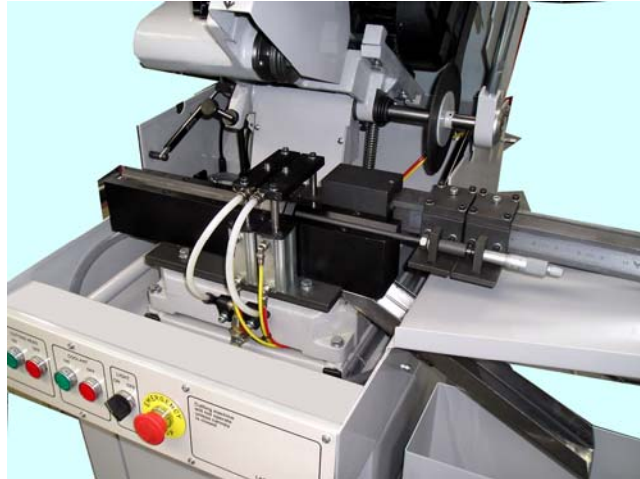
Changing material diameter does not require adjustments

Design ensures squareness of cut

Coolant pumped to top clamps and then to area of cutting

Cut pieces fall down chute into collector if required

The system is enclosed for Health & Safety requirements



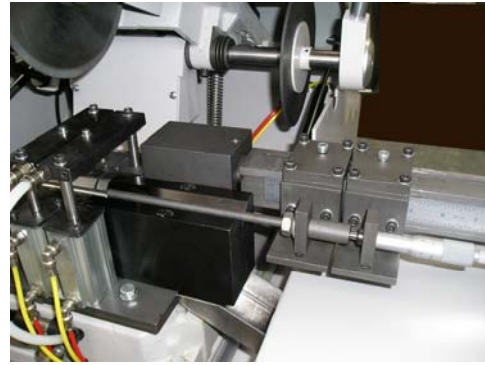
### Introduction

Cutting Carbide Rods is a necessary first step in the production process for Carbide cutting tools. It is important that the cut pieces have a smooth surface and show no sign of the chipping commonly produced by the diamond blade as it exits the carbide rod. This chipping is usually caused by the inadequate clamping of the material during cutting.

### Labcut 250PC Manual Cutting Machine

The Labcut 250P is the basis of a manual cutting machine which has been modified specifically for cutting the short carbide rods, 2mm to 32mm in diameter. The microfine cutting head accepts blades from 175mm/ 7in to 250mm/10in and is powered by a 3KW/ 4hp 3 phase motor. A hydrocheck is fitted to the cutting head so the manual cutting action is reproducible and adjustable for different users.

The carbide rods sit in a V-grooved block and are clamped by RH & LH top clamping bars. The offcut support has a length dependent on the shortest cut length required to fall down the chute into a collector. The end stop has a micrometer adjustment for accurate setting and rotates to allow cut pieces to fall. A digital display of end stop position is available as an option and facilitates changes in cut length.



**Precision end stop**

### **Powercut 250PC Automatic Cutting Machine**

This machine has a cutting head of similar construction to the manual Labcut 250PC and accepts the same sizes of diamond blade. However the cutting action is automatic and triggered by the front control panel START CYCLE button. The diamond blade fast approaches to a position just above the material and slowly cuts through it at a speed which can be adjusted to give the best results. The cutting blade returns to a position again just above the material and waits for the cut to be taken



### **Ordering information:**

- 8-025-700-PC** Labcut 250PC Manual carbide cutting machine 380V 3phase 50Hz
- 8-025-701-PC** Labcut 250PC Manual carbide cutting machine 220V 3phase 60Hz
- 8-025-702-PC** Labcut 250PC Manual carbide cutting machine 460V 3phase 60Hz
- 8-P25-700-PC** Powercut 250PC automatic carbide cutting machine 380V 3phase 50Hz
- 8-P25-711-PC** Powercut 250PC automatic carbide cutting machine 220V 3phase 60Hz
- 8-P25-712-PC** Powercut 250PC automatic carbide cutting machine 460V 3phase 60Hz

### **Option**

- 7-025-716-00** Digital display of end stop position

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