

Labcut 250P & Powercut 250P

---2 Abrasive Cutting machines for accurate 'Cut-to-Length' operations

Design features:

Top clamping fixture ensures clean cuts without chipping

Clamping of short rod lengths

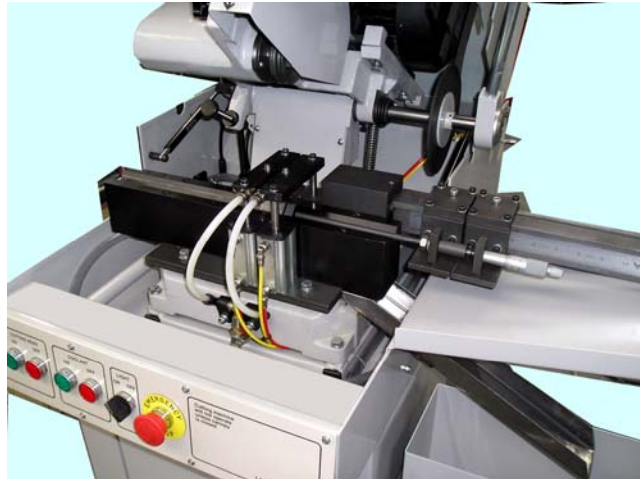
Changing material diameter does not require adjustments

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



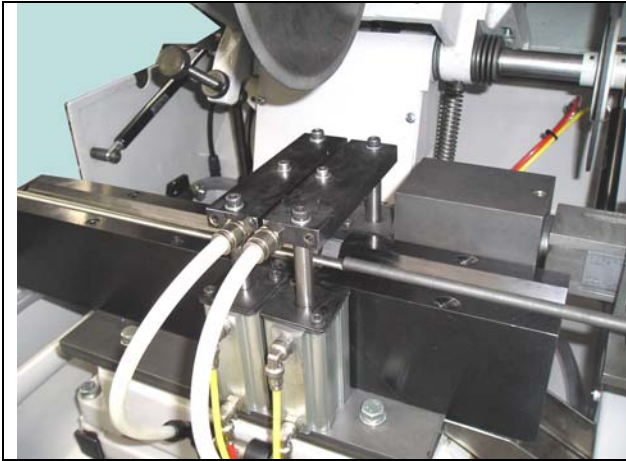
Introduction

Abrasive cutting wheels are used to cut materials which cannot easily be handled with conventional saws. This includes stainless steels, hardened steels, nimonic alloys, titanium etc. It is important that the cut pieces have a smooth surface and show no sign of burning due to high surface temperatures produced during cutting. It is also important that burrs are minimal so that a second operation is not necessary.

Labcut 250P Manual Cutting Machine

The Labcut 250P is the basic manual cutting machine which has been modified specifically for accurate cut to length operations on material, 2mm/0.080in to 32mm/ 1 ¼ 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 bar or tube material sits in a V-grooved block and are clamped by Right Hand & Left Hand 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. Carbide guides are fitted so that the cutting wheels do not flex.



Precision end stop

Powercut 250P Automatic Cutting Machine

This machine has a cutting head of similar construction to the manual Labcut 250PC and accepts the same sizes of cutting blade. However the cutting action is automatic and triggered by the front control panel START CYCLE button. The abrasive cutting 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. Wheel wear compensation is built into the electronic design.



Ordering information:

8-025-680-P Labcut 250P Manual 'cut to length' cutting machine 380V 3phase 50Hz

8-025-681-P Labcut 250P Manual 'cut to length' cutting machine 220V 3phase 60Hz

8-025-682-P Labcut 250P Manual 'cut to length' cutting machine 460V 3phase 60Hz

8-P25-680-P Powercut 250PC automatic 'cut to length' cutting machine 380V 3phase 50Hz

8-P25-681-P Powercut 250P automatic 'cut to length' cutting machine 220V 3phase 60Hz

8-P25-682-P Powercut 250C automatic 'cut to length' cutting machine 460V 3phase 60Hz

Option

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

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