



Labcut & Powercut Series Cutting Machines

Optional inverter system for continuous variation of cutting wheel speed

The inverter fitted to the Labcut or Powercut series of abrasive cutting machines electrically permits the adjustment of cutting wheel speed over a wide range eg 2000-5000rpm. It is fitted in the base cabinet of the cutting machine with a control module on the front panel. Advantages are:

1. The optimum cutting wheel performance in terms of wheel wear is obtained by matching the composition of the wheel to the correct peripheral speed. In this way the cost of cutting wheels is **minimised** and a high quality cut surface without burning is obtained
2. Using the wheel speed adjustment also permits the hardness of a cutting wheel to be varied



Front control panel of Labcut 250 showing #37 wheel speed adjustment module

3. The wheel speed can be rapidly adjusted if the size of cutting wheel is changed.
4. Diamond or CBN cutting wheels (superabrasives) run at a significantly lower speed as compared to standard abrasives. The inverter permits this speed change.
5. The inverter display can also be used to monitor motor current preventing overload of the motor.
6. The cutting machine is on its own base unit and does not occupy valuable bench space.



Benetec Limited
Unit 5c Midland Trading Estate, Consul Road,
Rugby CV21 1PB, United Kingdom
Tel: +44-(0)845 456 3082
Fax: +44-(0)845 456 3085//+44 208 958 2071
e-mail: sales@benetecmetlab.com