



Servocut 301 Automatic Cut Off Machine

SERVOCUT 301 is an advanced universal metallographic cutting machine used to cut a very wide range of materials. It is a medium size, bench top, microprocessor controlled cut off machine, with manual chop cutting and automatic table feed systems. It has digital positioning of the specimen in X and Y axis with accuracy of 2 microns (X axis optional) and manual positioning in Z axis. It has cutting capacity of 85/110mm with cut off wheel diameter of 250/300mm. The cutting force and the cutting feed rate can be selected from the 5.7+HMI touch screen controller.

SERVOCUT consists of a cast aluminium base on which the motor and the working space are provided in the form of two separate housings. A large window and sealed 12V lamp in the cutting chamber allow precise observation of the cutting process. A large slotted feed table can accommodate a variety of different clamping devices. The feed table provides a long travel depth making it ideal for cutting long or deep samples in a single pass. Cooling water recirculation is standard. 2 water jets located on both sides of the cut off wheel and 2 jet sprays towards the specimen. Supplied without clamping device.

Specification

- Cut of Wheel: Ø 250 / 300mm
- Cutting Capacity: Ø 85 / 110mm or 70mm x 200mm
- Chop cutting: manual
- Table feed cutting: automatic
- Wheel speed: 2850 rpm
- Feedbed travel axis: 225mm
- T-slotted table: 380mm x 250mm
- Motor Power: 6.4 HP
- Cooling unit: 80 litres

Kemet International Limited

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- Auto feed adjustment: 0.1-5mm/ sec
- Pulse cutting: yes
- Integrated feed path measurement: yes
- Comes with an assortment of 20 cut of wheels with 300mm dia., and 5 Litres of cooling fluid
- Size: 93cm x 87.5cm x 63cm. Weight: 222 kg. Electrical: 400-3-50

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