

Technical part

1.1 Bale cutter CP 3000

The Bale cutter CP 3000 has been designed for sample preparation purposes in the laboratory and in production environments. The bale cutter is ideally suitable for the cutting and slicing of polymer bales and rubber compounds.

Therefore the bale is placed on the conveyor track on the backside of the machine and the desired amount of material to be cut is pushed into the machine. Afterwards only the 2 Start buttons have to be pushed to start the cut. As soon as the buttons are released the cutting process will be stopped automatically and the machine will move back into its initial position.

Integrated in the cutting table a teflon cutting plate is mounted – this plate is also acts as lower stop of the cutting knife.

The knife is guided by precision ballguides which run on hardened, precision ground linear shafts. This ensures a smooth and clear cut of the material.

For safety of the operator personal, the cutting area is surrounded by transparent covers.

The CP 3000 operates fully pneumatically and there is no need for an electrical connection. This means only a minimum of energy consumption and an excellent efficiency.

Technical description CP 3000 Standard

- Cuts : Up to 12 cuts per minute
- Cutting width : maximum 520mm
- Bale width : maximum 530mm
- Bale height : maximum 237mm
- Bale length : unlimited
- Cutting force : Adjustable by the maintenance unit
Minimal 0,6 Tons @ 2,0 Bar input pressure
Minimal 4,6 Tons @ 10,0 Bar input pressure
Optionally this can be increased by a pressure booster
- Cutting knife : hardened and precision grinded
- Cutting table : made of Teflon, exchangeable
- Material supply : by conveyor line, total length: 750mm
- Safety devices : pneumatic controlled safety 2-hand operation,

translucent safety shields,
backside protection
- Required supplies : Compressed air
There is no need for an electrical connection!
- Weight : 280 kg Gross
225 kg Net
The instrument is designed for a tabletop setup.
This means for the installation, a suitable table is required.

MonTech

Werkstoffprüfmaschinen GmbH



MonTech
Werkstoffprüfmaschinen GmbH
Carl-Benz-Straße 11
74722 Buchen
Post office box 1230
74711 Buchen

Phone: +49 (0) 6281 56 22 30
Fax: +49 (0) 6281 56 22 55
E-mail: info@rubber-testing.com
Internet: www.rubber-testing.com

**DAkks**
Deutsche
Akkreditierungsstelle
D-PL-11292-01-00



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