rs | MULTICUT

Quality + Competence since 1959

MNGC
made in Germany

„We solve your cutting tasks!"

Cutting Systems, Caterpillars, take-off systems / discharge conveyors

for pipes, hoses, profiles, strips in the plastic and rubber extrusion

quick | precise | clean | flexible

CUTTING
with highest precision...

ROTARY CUTTER

The rotary cutter is used in the plastics and rubber industry for cutting profiles, hoses and stranded profiles used in the extrusion. Other applications like food sector etc. are possible.

The product is carried out by two quickly exchangeable cutting bushes, each equipped with a monitoring sensor.

The speed in continuous cutting operation depends on the selected product length, line speed and cutting speed of the cutting blade.

A Siemens control ensures perfect length precision. All process parameters can be entered by means of a swiveling panel.

The rotary cutter can be delivered movable. This way it can be used quickly and without larger setup effort in the production line. Depending on the profile cut and the hardness of the material different cutting blades are used.

Further technical data and options can be found in the table "Technical Data of the Rotary Cutter"

ADVANTAGES

- ☑ servo drive
- ☑ highly accurate in 1/10 mm range
- ☑ repeat accuracy of 0.1 ms
- ☑ PLC-controlled
- ☑ quick cutting bush change
- ☑ right-angled clean cut
- ☑ flexible use: inline / offline
- ☑ swiveling panel

FEATURES

quick• precise • clean • flexible

quick ● precise ● clean ● flexible

CATERPILLARS

The caterpillars were designed to provide or transport profiles, hoses, stranded profiles, pipes and cables without slip and deformation.

Depending on the production requirement, caterpillars with a contact length of 250, 600 and 1000 mm can be chosen.

The belts are driven by servomotors. In addition, an upper drive can be selected, to achieve a slip- and deformation-free pull and an increased pulling force of the products.

The upper belt can be adjusted manually by handwheel or electrically to the product-dependent gap.

For better insertion of the products, the upper belt can be raised pneumatically by pressing a button.

For the various product materials different belt materials can be used. This guarantees a gentle deduction and transport.

Further technical data and options can be found in the table "Technical Data of the Caterpillar"
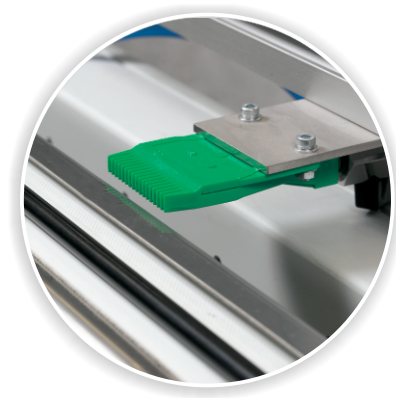
MULTICUT

ADVANTAGES

- ☑ upper / lower belt synchronously driven
- ☑ maximum pulling force
- ☑ connection to line control
- ☑ easy threading and handling
- ☑ different caterpillars
- ☑ fast belt change

TAKE-OFF SYSTEMS / DISCHARGE CONVEYORS

On request we supply complete plants with deposit systems.

Designed according to your specifications:

- length, width of the discharge conveyors
- blower unit or mechanical ejection
- can be integrated in line control
- self-sufficient using by means of Siemens control
- counting station
- sorting function

FEATURES

quick ● precise ● clean ● flexible

TECHNICAL DATA

ROTARY CUTTER

Model:	MC-40 NG	MC-80 NG	MC-100 NG
Product diameter:	max. Ø 39 mm	max. Ø 79 mm	max. Ø 99 mm
Transport speed:	max. 100 m/min.		
Cutting frequency with 1 blade:	max. 2500 cuts/min.		
Drive power:	Servo motor 3.3 kW		
Connected load:	400 V, 50 Hz, 3 phases		
Control:	Frequency converter		
Operation:	Swiveling operator panel		
Dimensions:	Length: 700 mm Width: 600 mm Height: 1350 mm		Length: 700 mm Width: 850 mm Height: 1400 mm
Weight:	approx. 180 kg		approx. 300 kg
Options:	User management		
	Recipe management		
	Can be integrated in line control / inline or offline		
	Wet cut in stainless steel, spray or drop lubrication can be dosed		
	FDA conform		

Technical alterations reserved. Special machines are available on request.

CATERPILLARS

Model:	RB-250/XXX NG	RB-600/XXX NG	RB-1000/XXX NG
Contact length:	250 mm	600 mm	1000 mm
Belt width:	50 mm	100 mm	100/200 mm
Pulling force, dependent on max. V m/min.	250 N (1 Drive)	400 N (1 Drive) 800 N (2 Drive)	1300 N (2 Drive)
Transport speed:	max. 100 m/min.	max. 200 m/min.	max. 200 m/min.
Drive power:	1.5 kW	1.5/3 kW	4 kW
Control:	Siemens S7		
Operation:	Swiveling operator panel		
Connected load:	400 V, 50 Hz, 3 phases		
Dimensions:	Length: 570 mm Width: 560 mm Hight: 1660 mm	Length: 1120 mm Width: 560 mm Hight: 1660 mm	Length: 1320 mm Width: 560 mm Hight: 1660 mm
Weight:	approx. 250 kg	approx. 400 kg	approx. 550 kg
Options:	User management		
	Recipe management		
	Can be integrated in line control / inline or offline		
	Start/stop positioning		
	FDA conform		

Technical alterations reserved. Special machines are available on request.

ACCESSORY OPTIONS
CATERPILLAR RB-XXX/XXX NG

- ☑ External interface start / stop, fault, setpoint 0-10 VDC

- ☑ Digital servo drive with digital frequency output for coupling the Multicut machine

- ☑ Electric gap adjustment with digital display

- ☑ Drive upper belt by means of 2nd servomotor

- ☑ Pneumatic pressure of the upper belt, only in conjunction with electrical gap adjustment

- ☑ Feeding roller set for guiding the extrudates into the caterpillar, longitudinal and transverse rollers

- ☑ Dancer with base frame, stand, guide roller and dancer roll incl. programming the dancer position control

SYSTEM SOLUTIONS FOR CUTTING TASKS

The ROLF SCHLICHT GmbH offers a wide range of system solutions for versatile cutting tasks. Where is not cut, we offer a comprehensive program on semi- or fully automatic winders with strapping, setting, shrinkage as well as ejection or depositing systems on pallets or conveyor belts.

The field of application for our systems is the production area plastic and rubber extrusion for the production of hoses, pipes, profiles, strips of smallest diameter ranges to less than 1 mm in the medical technology up to tubes of approx. 100 mm diameter.

We also supply our feeding and cutting systems in GMP version for the pharmaceutical industry and medical technology for the clean room. The plants work in the extrusion line or outside the line of the coil, from the winding band or out of the pallet.

We adapt the systems to your wishes and needs to achieve the best possible effectiveness for you.

LOCATION REINFELD

MANUFACTURING LOCATION

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