



CS | **MULTICUT**

**Cutting Systems and Caterpillars
Haul-off & Storage Systems**

**for Pipes, Hoses, Profiles, Stripes
in the Plastic and Rubber Extrusion**

quick | precise | clean | flexible

CERTIFIED IN COMPLIANCE

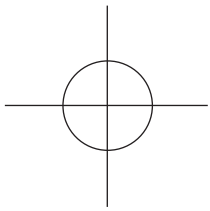
WITH ISO 9001

We solve your cutting problems



CUTTING

at highest precision ...



Cutting Machine

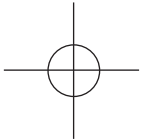
Rugged cutting machine for cutting of soft, semi-rigid and rigid plastic and rubber materials.

The passing strand is transported by a caterpillar or rollers through the well fitting inlet and outlet cutter bushes.

Knife blades of different executions cut at highest speed through the passing strand by which a clean, straight cut without swarf is ensured.

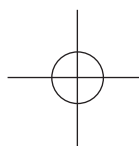
By using options like heating, humidification or air injection you will reach optimal results. Depending on the cut length and the line speed the system works in cycle operation or with continuous rotation. The length accuracy is ensured by the use of optimal and state of the art measuring and control units.

Simple operation, shortest changing times for knives and cutter bushes provide for best availability and flexibility of the plant.



Advantages

- > *servo drives*
- > *highly precise in the area of 1/10 mm*
- > *accurate reproducibility of 0,1 ms*
- > *PLC control*
- > *quick change of cutter bushes*
- > *best cut, clean cutting surface*
- > *no swarf, burr or broken edges*
- > *flexible in operation*

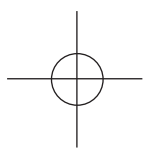


MACHINE DESCRIPTION

QUICK PRECISE CLEAN FLEXIBLE

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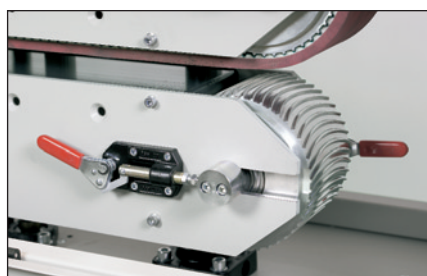
Caterpillar

A robust and easily accessible conveying system provides for a precise and safe operation of the system. Two non-slipping belts transport the material and convey it evenly through the machine. By motor-adjustable belts the material is charged only with so much pressure as is necessary for the transport.

Simple closing/opening by hand wheel is also available. Depending on the requirement we offer belts with different surface coatings.

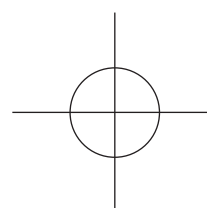
The precise Lenze control and motors care for optimal tuning, perfect speed holding of upper and lower belts not only at low, but also at high haul-off speeds.

Various interfaces to upstream and downstream plants are available. The machine hood was so constructed that easy and quick access is warranted e. g. for belt change without tools. Various options are available like drive of both belts, direct servo-drive, adjustable pressure of the upper belt, equipment for medical applications (clean room), different belt coatings, drive capacities etc.



Advantages

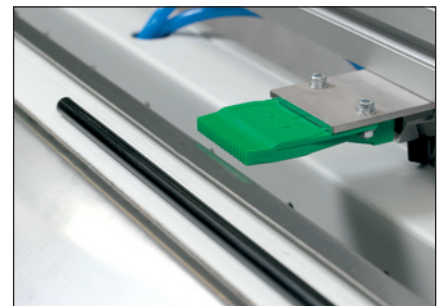
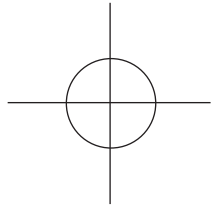
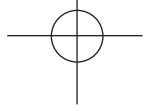
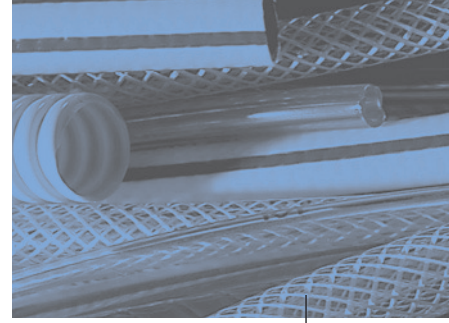
- > *best speed holding of upper and lower belt*
- > *max. haul-off forces*
- > *connection to line control*
- > *easy feeding of the material and handling*
- > *different belt coatings*



HAUL-OFF SYSTEMS

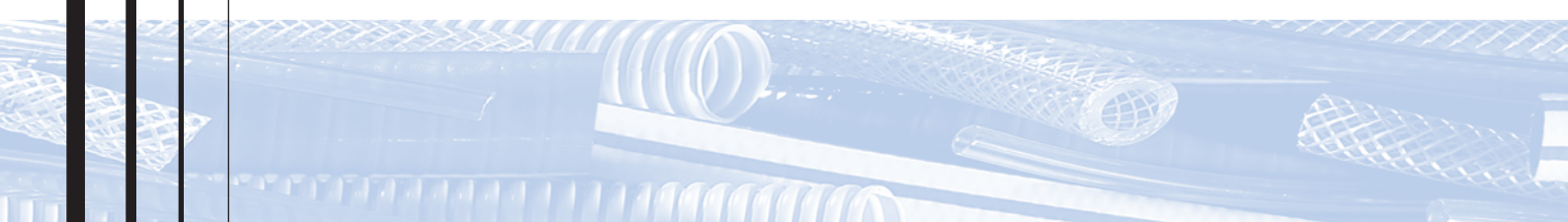
HAUL-OFF BELTS

We also supply complete plants with haul-off systems as per customer's demand, haul-off belts, different lengths and widths with blow-off devices and collecting bins or outward transfer systems. For short lengths we can offer storage systems for exact quantities with controls, archive, changing and counting systems as well as special plants as per customer's demand.



MACHINE DESCRIPTION

QUICK PRECISE CLEAN FLEXIBLE



Cutting Machine

Type:	MC-25 V2	MC-50 V2	MC-80 V2	MC-100 V2
Cutting range:	1-25 mm	1-50 mm	1-80 mm	1-100 mm
Speed:	up to 100 m/min.	up to 100 m/min.	up to 100 m/min.	up to 100 m/min.
Cutting capacity:	continuously up to approx. 3.800 cuts/min.	350 stop-start-cuts/min. or up to 3.800 cuts/min.	350 stop-start-cuts/min. or up to 3.800 cuts/min.	350 stop-start-cuts/min. or up to 3.800 cuts/min.
Drive capacity:	0,54 kW servo-motor Lenze	1,8 kW servo-motor Lenze	1,8 kW servo-motor Lenze	3,5 kW servo-motor Lenze
Voltage:	380-415 V, 50 Hz, 3 Phases	380-415 V, 50 Hz, 3 Phases	380-415 V, 50 Hz, 3 Phases	380-415 V, 50 Hz, 3 Phases
Control:	Lenze - Drive PLC	Lenze - Drive PLC	Lenze - Drive PLC	Lenze - Drive PLC
Operation:	Operator Panel with backlit LC-Display	Operator Panel with backlit LC-Display	Operator Panel with backlit LC-Display	Operator Panel with backlit LC-Display
Dimensions:	Length: 570 mm Width: 400 mm Height: 1.340 mm	Length: 700 mm Width: 600 mm Height: 1.350 mm	Length: 700 mm Width: 600 mm Height: 1.350 mm	Length: 700 mm Width: 850 mm Height: 1.400 mm
Weight:	approx. 100 kg	approx. 180 kg	approx. 180 kg	approx. 300 kg

Technical alterations reserved. Special machines available on request.

Caterpillar

Type:	RB-250/50 V2	RB-600/100 V2
Contact length:	250 mm	600 mm
Belt width:	50 mm	100 mm
Execution of the machine:	stand, frame made of steel sheet, pulverised, height adjustment by manual clamping, hood made of steel sheet with window	stand, frame made of steel sheet, pulverised, manual height adjustment, hood made of steel sheet with window
Belt coating:	10 mm Porol cellular caoutchouc up to 60° C, for rigid, sensible or high temperature materials other coatings available	10 mm Porol cellular caoutchouc up to 60° C, for rigid, sensible or high temperature materials other coatings available
Belt guidance:	V-Belt	spiral toothed
Haul-off range:	up to 150 m/min.	up to 150 m/min.
Motor haul-off power:	max. 250 N	max. 1.000 N
Drive capacity:	0,37 kW	1,5 kW
Control:	revolution adjustment with frequency converter	revolution adjustment with frequency converter
Operation:	Operator Panel H 310	Operator Panel H 310
Voltage:	380-415 V, 50 Hz, 3 Phases	380-415 V, 50 Hz, 3 Phases
Dimensions:	Length: 500 mm Width: 500 mm Height: 1.200 mm	Length: 1.400 mm Width: 600 mm Height: 1.400 mm
Weight:	approx. 180 kg	approx. 280 kg

Technical alterations reserved. Special machines available on request.

TECHNICAL DATA



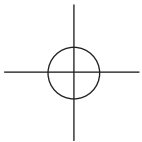
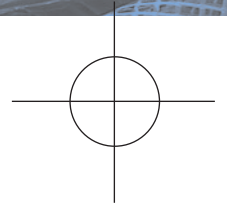
ACCESSORIES OPTIONS

CATERPILLAR

TYPE RB-250/50 V2

TYPE RB-600/100 V2

502	External interface start/stop, malfunction, desired value 0-10 VDC
503	Digital servo-drive with conduct frequency outlet for connection of the Multicut machine
504	Electrical nip adjustment with digital nip distance display
505	Drive of the upper belt by 2nd gear
506	Pneumatic pressure control of the upper belt, only in connection with electrical nip adjustment
507	Set of inlet rollers for guidance of the extrudate into the caterpillar, longitudinal and transversal rollers
508	Dancer device with stand and post, guiding roller and dancer roller device incl. programming of the dancer positioning adjustment



Company History

Fa. Rolf Schlicht, Hamburg

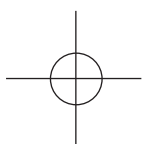
Rolf Schlicht GmbH in Hamburg, founded in 1959, sells machines and plants to the worldwide rubber, plastic and cable industry.

A well organised sale's network in more than 30 countries guarantees good co-operation between customer and manufacturer. Our tightly organised service department ensures that ordered machines or spare parts will reach the customer as soon as possible.

Should there be any problems or a machine breakdown, skilled technicians are at your disposal at any time. It goes without saying that we supply against ISO 9001 with CE mark and Certificate of Conformity.

Due to steadily rising requirements of the industry there is a permanent demand for improvements and new developments. We have therefore designed plants for the extrusion field which correspond to the latest technology.

Perfectly working cutting machines and caterpillars guarantee a final product of high quality. Thanks to high process speeds you can use your extrusion line with maximum possible efficiency. By this our new systems promise quality and economy at the same time.



**Rolf
Schlicht
GmbH**



**Technologie für Gummi-,
Kunststoff- und Kabelindustrie**

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