

Lab shear roll

BSW 100 – the new addition to the BSW series for highly-homogenous mixtures



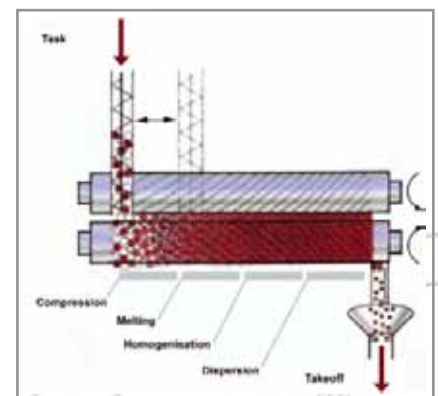
Materials

- Duroplast compounds
- Thermoplastic rubber
- Ceramics
- Powder metallurgy
- Nitrocellulose



Basic machine

- Individual roll drive with frequency-controlled AC gear motors
- Parallel or conically adjustable gap between rolls
- Pneumatic roll gap adjustment with toggle lever reinforcement
- Controlled from operator panel
- Protective clothing with door monitoring in operating range of rolls
- Controls integrated in machine room
- Material feed: hopper
- Material output: slide



Technical data of the BSW 100 Lab shear roll

Dimensions (L x W x H)	mm	1,800 x 600 x 1,300
Working height	mm	1,000
Weight	kg	approx. 950
Roll diameter	mm	80 - 100
Width of roll barrel	mm	500 to 700
Drive capacity	kW	2 x 5
Roll speed	min ⁻¹	20 - 120 (adjustable)
Roll gap	mm	0.2 - 1 max. 40 (with quick release)
Roll pressing force	N	max. 2 x 60,000 (adjustable)
Electrical connection power	kW	12
Output	kg/h	0.5 - 12 (depending on the material being processed)

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Options for basic machine

- Electrical roll adjustment
- Machine can be moved on rolls
- Integrated air compressor

Options for control

- Electrical roll gap measurement
- Measurement of pressing force
- Measurement of roll drive output
- Product parameter lists for 40 parameter records
- Data memory and interface for reading
- Cleaning mode when protective clothing open
- Material feed and output interface
- Interface for temperature adjusters (including all displays)

Options for material feed

- Vibrating chute (firm mounting on machine frame) with 10 litre material hopper and drop shaft for the rolls, conveyor volume can be controlled via potentiometer.
- Conveyor belt (firm mounting on machine frame) with 10 litre material hopper, supply pipe for the rolls, conveyor volume can be controlled via potentiometer.

Options for material output

- Drain tray
- Vibrating chute (firm mounting on machine frame), conveyor speed can be controlled via potentiometer
- Cooled vibrating chute (firm mounting on machine frame), conveyor speed can be controlled via potentiometer
- Conveyor belt (firm mounting on machine frame), conveyor speed can be controlled via potentiometer

Options for temperature adjustment

- Water temperature adjusters (4 pcs.) with 4,5 kW heat output, for maximum supply temperature of 160°C; each device has its own control panel for temperature pre-selection, including materials for connecting to the shear roll (hose length 4 m)
- Temperature adjusters for heat transfer oil (4 pcs.) with 8 kW heat output, maximum supply temperature of 280°C; each device has its own control panel for temperature pre-selection, including connecting pipes.



Enquiry

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Let us know your requirements and options:

Materials: _____

Additional requirements: _____

Your contact data: _____

We would be more than happy to make a test mixture with you.