BUSS KNEADER TECHNOLOGY

Laboratory Kneader MX 30

The versatile new BUSS Laboratory Kneader MX 30 is a compact smallscale compounding line for research and development, process optimization and customer sampling. It is especially suitable for the development of highly filled and heat/shear-sensitive compounds. This user-friendly laboratory extruder rounds off the well-proven MX series with laboratory-scale throughput rates from 5 to 25 kg/h. Thanks to the modular processing zone of the MX 30, all production process conditions can be precisely emulated. The split barrel design enables not only optimal access to all process parts, but also visual assessment of all individual steps along the processing zone.

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Features and specific advantages of the MX 30

- Representative data from laboratory samples as of 300 g
- Throughput rates up to 25 kg/h
- Split barrel design for easy access and cleaning
- Precise temperature control
- Two-stage machine
- Compact ergonomic layout
- User-friendly Siemens Touch Panel control
- Various options to optimize process parameters:
  - Split feed of additives
  - Segmented screw
  - Variable screw speed
  - Independent heating/cooling zones

Technical data

BUSS Kneader MX 30

Process length	22 L/D
Screw diameter	30 mm
Screw speed	Up to 800 rpm
Drive capacity	11 kW

Feed hopper

Hopper capacity	1 dm^3
Intake opening size	30 mm

Feed screw

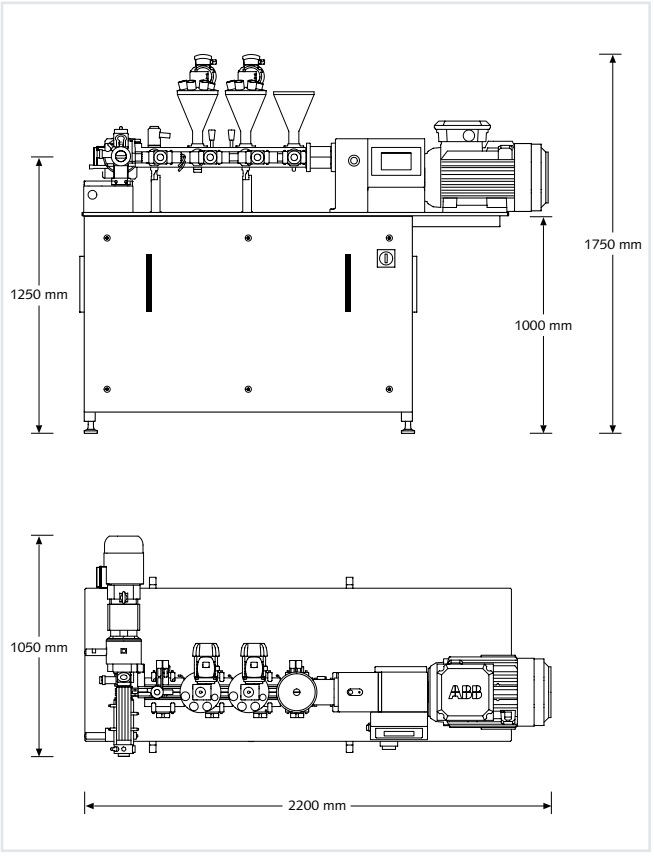
Hopper capacity	1 dm^3
Screw diameter	30 mm
Drive capacity	0.1 kW

Discharge extruder

Screw diameter	40 mm
Process length	6 L/D
Drive capacity	1.5 kW

Temperature control

Temperature range	Up to 280 °C
Heating system	Electrical
Heating capacity	11 kW
Cooling system	Air



Options

- Dosing equipment
- Second feed screw
- Water bath
- Strand pelletizing
- Air/water pelletizing

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