

BUSS KNEADER TECHNOLOGY



Pilot plant PCS 46

The Buss Kneader PCS 46 is a versatile, compact small-scale compounding extruder for enhanced R&D work and pilot production campaigns. This economical, user-friendly small-production compounder offers similar process characteristics as production-scale Buss Kneaders, with output rates up to 250 kg/h. Thanks to the modular processing zone, 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.

Features and specific advantages

- ✓ Extended processing length
- ✓ Increased residence time
- ✓ Short changeover times
- ✓ Maximum plant availability
- ✓ Rapid installation and start-up
- ✓ Wide range of formulations processed with one machine set-up including
 - High-gloss formulations
 - Highly reactive formulations
 - Clear coatings



Technical data

Throughput rates	up to 250 kg/h
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Inlet hopper

Hopper volume	3 litres
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Buss Kneader PCS 46

Process length	15 L/D
Screw diameter	46 mm
Screw speed	up to 650 rpm
Drive capacity	30 kW

Temperature control

Temperature range	up to 140 °C
Heating capacity	2x9 kW
Heating sections (water)	3 zones
Cooling sections (water)	3 zones

Components

1 Inlet hopper
2 Process section
3 Round die with chute
4 Gear box
5 Main drive
6 Operator panel

