

BUSS KNEADER TECHNOLOGY

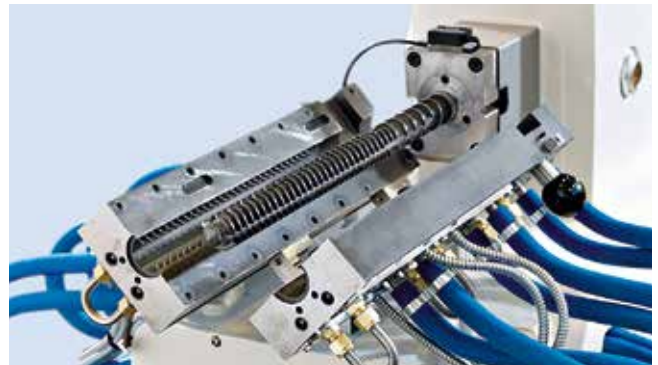


Laboratory Kneader PCS 30

The BUSS laboratory Kneader PCS 30 is a versatile, compact small-scale extruder for research and development, colour matching and customer sampling. This economical, user-friendly laboratory compounder offers similar process characteristics as production scale BUSS Kneaders, with outputs ranging from 300 g samples up to 40 kg/h. Based on its process scale-up capabilities it qualifies as a universal laboratory compounder offering a high grade of efficiency and flexibility.

Features and specific advantages

- ✓ Representative data from laboratory samples
- ✓ Split barrel design for easy access and cleaning
- ✓ Accurate temperature control
- ✓ Wide range of formulations with one screw configuration
- ✓ Various options to optimize process parameters
 - segmented screw
 - variable screw speed
 - independent heating/cooling zones



Technical data

| | |
|----------------------------------|---------------|
| Throughput rates | up to 40 kg/h |
| Inlet hopper | |
| Hopper volume | 1 litre |
| Laboratory Kneader PCS 30 | |
| Process length | 11 or 17 L/D |
| Screw diameter | 30 mm |
| Screw speed | up to 500 rpm |
| Drive capacity | 5.5 kW |
| Temperature control | |
| Temperature range | up to 140 °C |
| Heating capacity | 6 kW |
| Heating sections (electrical) | 2 zones |
| Cooling sections (water) | 3 zones |

Components

| |
|------------------------------|
| 1 Inlet hopper |
| 2 Process section |
| 3 Round die with chute |
| 4 Gearbox |
| 5 Main drive |
| 6 Operator panel |
| 7 Volumetric feeder (option) |
| 8 Chill rolls (option) |

