

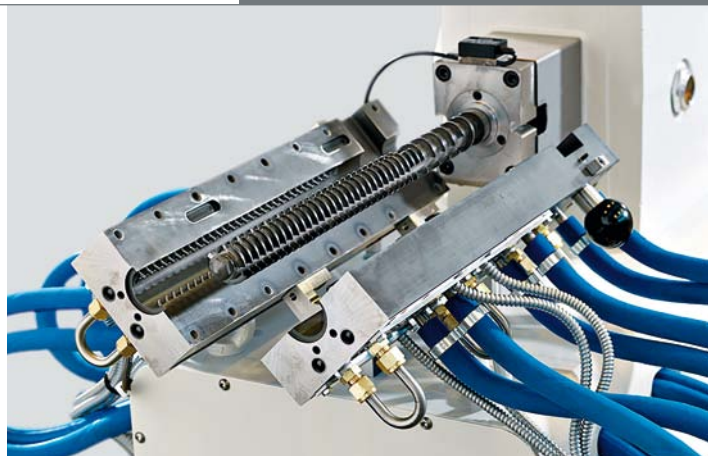
## Laboratory Kneader PCS 30

The BUSS laboratory Kneader PCS 30 is a versatile, compact small-scale compounding 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
- Throughput rates up to 40 kg/h
- Split barrel design for easy access and cleaning
- Accurate temperature control
- Two-stage machine
- Various options to optimize process parameters
  - segmented screw
  - variable screw speed
  - independent heating/cooling zones



### Technical data

#### Inlet hopper

Hopper volume 1 litre

#### Laboratory Kneader PCS 30

Process length 11 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)

