

Laboratory Kneader MKS 30

The BUSS laboratory Kneader MKS 30 is a versatile, compact small scale compounding line for research, development and customer sampling. It is especially suitable for the development of highly filled and heat and shear sensitive compounds. This economical, user-friendly laboratory compounder offers similar process characteristics as production scale BUSS Kneader, with outputs ranging from 300 gram samples up to 20–25 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 25 kg per hour
- Split barrel design for easy access and cleaning
- Accurate temperature control
- Two stage machine
- Various options to optimize process parameters
 - split feed (top or side feeder)
 - segmented screw
 - variable screw speed
 - independent heating/cooling zones



Technical Data

Laboratory Kneader MKS 30

| | |
|----------------|--------------------|
| Process length | 11, 14, 17, 20 L/D |
| Screw diameter | 30 mm |
| Screw speed | 10 to 500 rpm |
| Drive capacity | 7.5 kw |

Discharge Screw

| | |
|----------------|--------|
| Diameter | 40 mm |
| Length | 6 L/D |
| Drive capacity | 1.5 kw |

Side Feeder (optional)

| | |
|-----------------|---------|
| Screw diameters | 20 mm |
| Drive capacity | 0.25 kw |

Temperature Control

| | |
|-------------------|---------------|
| Temperature range | up to 400 °C |
| Heating system | electric |
| Heating capacity | 2.4 to 4.8 kw |
| Cooling system | air |

Options

- Dosing equipment
- Additional inlet hoppers
- Side Feeder
- Water bath
- Strand cutter
- Die face cutting

