TRM-S

Triple Roller Mill

The TRM-S Triple Roller Mill is used in the homogenization during preparation of ointments, creams, pastes, dough's and other viscous preparations.

TRM-S attached directly to UAM

Operation Mode

The rolling action is generated by the contra rolling motion of three robust rollers made of high quality stainless steel L316. The gaps between the rollers are adjustable via a single knurled screw, which is scaled from 0 to 4. Minimum gap between rollers is 0.05, while the maximum is 0.3 mm. The two outer rollers are spring-supported to eliminate any possibility of damaging the rollers or damaging the entire operation mechanism.

Attached via UGD

The TRM-S Triple Roller Mill can be directly attached to the UAM Universal Motor Drive, which provides a flexible stepless speed tuning. All contact parts are made of GMP Compliant materials and can be sterilized in accordance with GMP.

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Advantages

» Effective for squeezing & homogenizing of pastes
» User friendly
» Corrosion resistant, medical & food grade contact parts

Features

» Powerful & compact
» Easy to serve and clean
» GMP compliant

Standard Scope of Supply

TRM-S (part. no. 40-01187)

Application Specifications

Parameter	Specification
Operation principle	Film multiple squeezing & homogenizing through 3 rollers
Process range	Homogenizing of pastes, ointments and highly viscous preparations (solid/liquid) (liquid/liquid)
Feed characteristics	Ointments, creams, and pastes
Range of applications	Pharmaceutical, herbal & alternative medicine, chemicals & fine chemicals, food, agriculture, cosmetics and detergents, paints & pigments

Technical Specifications

Parameter	Specification
Max. output	12 kg/h. Depends on feed properties, instrument and process parameters
Gap range between rollers	0.05 – 0.30 mm
Rotation speed	15-125 rpm
Instrument dimensions	Approx. 260 x 160 x 270 mm (width x depth x height)
Packaging dimensions	Approx. 410 x 510 x 410 mm (width x depth x height)
Net / Gross weight	Approx. 11 / 14 kg

We reserve the right to make technical changes without any prior notice.