Ball & Rod Mill

LT-M0606 | Wet and dry sample grinding

Two tubes operating simultaneously • Ball or rod grinding media



6 L + 9 L

STAINLESS STEEL TUBES

0-300 rpm

ADJUSTABLE ROLLER SPEED

<8 mm feed • 500-1500 ml sample • <40 µm fineness under suitable conditions

LT-M0606

Photographs and Components

Two grinding tubes, rubber-coated rollers and electronic controls

Mineral and ore samples rotate with grinding media inside stainless steel tubes. Rubber-coated rollers operate both tubes simultaneously, while electronic control allows roller speed to be adjusted for the sample.



GRINDING TUBES

Two AISI 304 stainless steel tubes provide 6 and 9 L capacities.

DRIVE ROLLERS

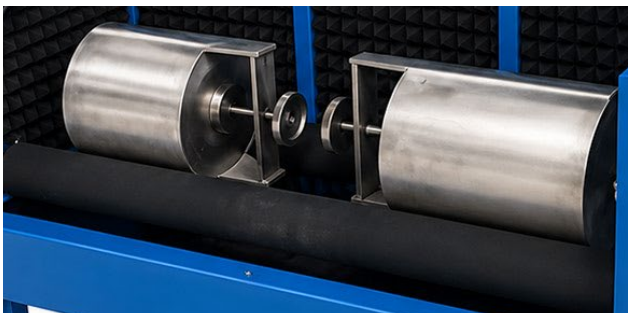
Two rubber-coated rollers transmit rotation to the tubes.

HINGED LID

The hinged lid provides access to the tubes and working area.

CONTROL PANEL

Electronic speed control and operating controls are grouped together.



Stainless steel tubes and drive rollers



Speed control and operating controls

LT-M0606

Tube Options and Grinding Principle

6 and 9 L tubes • Two grinding media options • Wet or dry operation

GRINDING TUBE

6 L

Ø200 × 200 mm

AISI 304 stainless steel

GRINDING TUBE

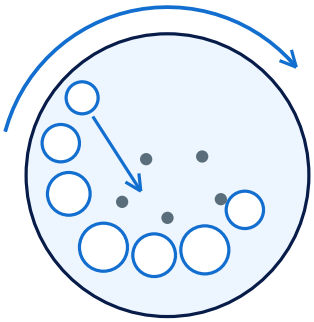
9 L

Ø200 × 300 mm

AISI 304 stainless steel

Ball and Rod Grinding

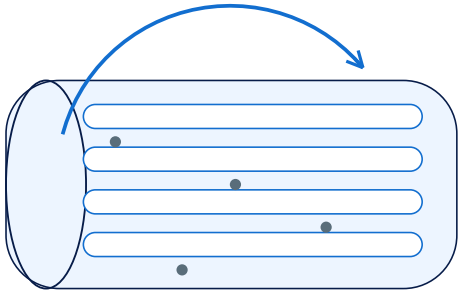
Ball Grinding



Heat-treated chrome-alloy balls

As the tube rotates, the balls apply impact and friction to the sample.

Rod Grinding



AISI 304 stainless steel rods

Rods grind the sample along their extended contact surfaces.

Each tube includes one charge of balls and one charge of rods.

Dry Grinding

The sample and selected grinding media operate without added liquid.

Wet Grinding

Grinding takes place with liquid suited to the test method.

Technical Data and Sample Workflow

LT-M0606 • Tube capacities, drive system and electrical supply

Technical Specification	Value
Product Code	LT-M0606
Operating Method	Wet / dry grinding
Number / Capacity of Tubes	2 tubes / 6 L and 9 L
6 L Tube Dimensions	Ø200 × 200 mm
9 L Tube Dimensions	Ø200 × 300 mm
Tube Material	AISI 304 stainless steel
Feed Size	<8 mm
Sample Quantity	500-1500 ml
Final Fineness	<40 µm*
Roller Speed	0-300 rpm
Drive Rollers	2 / Ø80 × 800 mm / rubber-coated
Motor Power	1.5 HP
Motor Speed	900 rpm
External Dimensions	150 × 50 × 100 cm
Weight	350 kg
Power Supply	220 V, 50-60 Hz, 1 phase

* Final fineness depends on sample properties, time, speed and grinding-media charge.

Sample Preparation Workflow

01
Prepare Sample
Reduce the feed size to below 8 mm.

02
Select Media
Choose the tube capacity and ball or rod charge.

03
Set Grinding
Select speed and time for the method.

04
Collect Sample
Prepare the ground sample for the next analysis.

Product Page | liyatest.com.tr/en/urun/ball-rod-mill/