

# Elcometer 2000 Muller Laboratory Grinder



Elcometer 2000 Muller Laboratory Grinder

**At a glance**

- *Sturdy construction for laboratory use*
- *Operating force adjustable from 5 to 100kg (11 to 220lbs)*
- *Bottom plate rotates at 100rpm*
- *Powerful geared system for simulating extreme conditions.*

**Elcometer 2000 Muller Laboratory Grinder**

The Elcometer 2000 is a particularly sturdy machine, enabling optimal and perfectly reproducible grinding and dispersions to be obtained in the laboratory.

The grinding is carried out by two ground glass discs. The fixed upper disc is the part of the system for adjusting operating force between 5 and 100kg (11 and 220lbs) and is fitted on a cranked arm to make it easier to pen. The bottom plate rotates at 100rpm. The movement is provided by a powerful geared motor system capable of carrying out tests under extreme conditions.

The whole grinder is built unto a housing made of thick steel plates. One counter counts the number of revolutions and automatically stops the motor. Another shows the total after each test cycle.

**Fineness of grind**

From the development of coatings and inks in the laboratory to testing during the production process, quick and precise measurement of the particle size of the material - be it pigments or other similar materials - is one of the essential measurement techniques required for reliable and repeatable results.

Fineness of grind gauges comprise of stainless steel blocks in which either one or two channels are precision ground in a uniformly increasing depth from zero at one end to a specified depth at the other, identified by the scale on the gauge.

Elcometer takes special care in its manufacturing to ensure that the highest level of precision and quality is maintained for all their gauges in order to comply with the requirements of the industries where the grinding process is involved, particularly in the fields of wet paints and powder, varnishes, printing inks and the cosmetics industry.

Can be used in accordance with:	
ASTM D 387	ASTM D 332
ISO 8780-5	ISO 787/16
NFT 30 023	

Model	Description	Part Number		
		UK 240V	EUR 220V	US 110V
Elcometer 2000	Elcometer 2000 Muller Laboratory Grinder	K0UK2000M001	K0002000M001	K0US2000M001
<b>Accessories</b>	Frosted Glass (2 pieces)	KT002000P001		

## Related products



Elcometer 2041

These precision instruments are used to determine particle size and fineness of grind of many materials - including paints, pigments, inks and even chocolate!



Elcometer 2050

Similar to the fineness of grind gages, these high precision instruments are graduated in microns to an accuracy of  $\pm 1$  micron



Elcometer 2070

Precision gauges used to determine particle size and fineness of grind for many materials - but specifically printing inks

### ENGLAND

Elcometer Instruments Ltd  
Edge Lane  
Manchester M43 6BU

Tel: +44 (0) 161 371 6000  
Fax: +44 (0) 161 371 6010  
e-mail: [sales@elcometer.com](mailto:sales@elcometer.com)  
[www.elcometer.com](http://www.elcometer.com)

### USA

Elcometer Instruments Inc  
1893 Rochester Industrial Drive  
Rochester Hills Michigan 48309

Tel: +1 248 650 0500  
Toll free: 800 521 0635  
Fax: +1 248 650 0501  
e-mail: [inc@elcometer.com](mailto:inc@elcometer.com)  
[www.elcometer.com](http://www.elcometer.com)

### CANADA

Elcometer Canada Ltd  
PO Box 622, 401 Ouelette Avenue  
Windsor, Ontario N9A 6N4

Tel: +1 248 650 0500  
Toll Free: 800 521 0635  
Fax: +1 248 650 0501  
e-mail: [ca\\_info@elcometer.com](mailto:ca_info@elcometer.com)  
[www.elcometer.com](http://www.elcometer.com)

### ASIA & THE FAR EAST

Elcometer (Asia) Pte Ltd  
896 Dunearn Rd  
Sime Darby Centre #3-09  
Singapore 589472,  
Republic of Singapore

Tel: +65 6462 2822  
Fax: +65 6462 2860  
e-mail: [asia@elcometer.com](mailto:asia@elcometer.com)  
[www.elcometer.com](http://www.elcometer.com)

### BELGIUM

Elcometer SPRL  
Rue Vallée 13  
B-4681 Hermalle /s Ardenteau

Tel: +32 (0)4 379 96 10  
Fax: +32 (0)4 374 06 03  
e-mail: [be\\_info@elcometer.be](mailto:be_info@elcometer.be)  
[www.elcometer.be](http://www.elcometer.be)

### FRANCE

Elcometer SARL  
BP 8-Bou  
60 Rue de la Petite Levée  
45430 Chécy

Tel: +33 (0)2 38 86 33 44  
Fax: +33 (0)2 38 91 37 66  
e-mail: [fr\\_info@elcometer.fr](mailto:fr_info@elcometer.fr)  
[www.elcometer.fr](http://www.elcometer.fr)

### GERMANY

Elcometer Instruments GmbH  
Himmlingstraße 18  
D-73434 Aalen

Tel: +49 (0) 7366 91 92 83  
Fax: +49 (0) 7366 91 92 86  
e-mail: [de\\_info@elcometer.de](mailto:de_info@elcometer.de)  
[www.elcometer.de](http://www.elcometer.de)