

Jar Mills (Roller Mills, Pot mills, Ball mills)

G90 SERIES

G series Jar Mills are used to grind ceramic (and other) materials in grinding jars of varying capacity.

Technical data.

Single Jar Mill G90

Overall size: Width 450mm approx., Length 650mm approx., and Height 330mm approx.

Powered by a 1/3 HP electric motor which drives a rubber covered roller with one idler roller.

Maximum capacity: Will accommodate 1 x 9 litre or 4.5 litres, 2 x 2.25 litre, 3 x 1.125 litre or 0.5 litre jars

The rollers are mounted on self-aligning bearings, which can be easily adjusted to accommodate different size jars.

Electrical supply: 220/240V single phase or 380/440V three phase.

Motor IP55 Sealed motor complete with thermal overload protection. The standard models are supplied as fixed speed units with a push button On/Off control. Variable speed controllers can be fitted as an optional extra.

Another feature that can be added is a timer unit.

Single Jar Mill G94

As above except fitted with an electrically interlocked guard.

Double Jar Mill G91

Overall size: Width 450mm approx., Length 1075mm approx., Height 330mm approx. Powered by a 1/2 HP electric motor that drives a rubber-covered roller with one idler roller (*pictured above left*) roller length

Double Jar Mill G95

As G91 except fitted with an electrically interlocked guard (*pictured right*).

Multi-tier Jar Mills.

The G series Jar Mills are also available as multi tier mills, and are all capable of using a wide combination of jars. All are fitted with adjustable rollers running on heavy duty ball bearings with fully adjustable jar steadies fitted to each tier and are effective for the full length of the jar regardless of jar combinations. All the machines are solidly constructed from fabricated steel with individual drive and control to each tier

Specifications:

Drive: three independent 380/415V 3 phase 50Hz 1HP gear motors driving through flexible couplings, one to each tier.

Controls: An independent stop/start switch with overload protection is provided to each tier with drive indicator neon. An operator safety key operated locking switch is included in the control panel to ensure only authorised operation. The machine is also fitted with an emergency lock/off stop button situated for easy reach by the operative.

Effective roller length: 59" (1498mm)

Roller diameter: 6cm

Roller speed: 230rpm

Dimensions: 204 x 70 x 153cm (LxWxD)



G90 Jar Mill with optional timer and variable speed motor.
(and 9 litre porcelain grinding jar).



e.j.payne
ceramic

1, Belgrave Road, Longton,
Stoke-on-Trent, ST3 4PR, U.K.
www.ejpayne.com

Tel: +44 (0) 1782 312534 Fax: +44 (0) 1782 599868 Email: sales@ejpayne.com



GR Series Jar Mills.

The GR range of Roller Jar Mills are machines designed for use with porcelain / stoneware jars, capacities ranging from 1.5 litres to 15 litres. They are suitable for carrying out grinding tests or simple wet process mixing tests on ceramic glazes and colouring agents, paints and other products. They can also be used for dry process grinding of solid substances such as clays and various other minerals. They can be used for small production runs as well as laboratory tests.

Features common to all models:

- Adjustable distance vulcanised rubber-coated rollers.
- Accurate finishing
- Epoxy powder painted shaped sheet steel structure
- Drive transmitted for the motor to the rollers by means of an adjustable stretch V-belt for the floor models (with safety guard), and gear motor for the bench model.
- Adjustable height vibration damping feet at the base.

Single layer roller jar mill, Model GR/1

Suitable for a maximum of 2 jars.
 Supplied complete with a 0.33HP motor and start/stop push button panel
 Mains power supply 230/400V, three phase, 50Hz
 Overall dimensions: 110 x 65 x 62cm
 Net weight: 85kg.

Order Code

01CI0970

As above but supplied with a wall mounted control panel, including a 0-60 hour timer.

01CI0970/1

Double layer roller jar mill, Model GR/2

Suitable for a maximum of 4 jars.
 Supplied complete with a 0.33HP motor and start/stop push button panel
 Mains power supply 230/400V, three phase, 50Hz
 Overall dimensions: 116 x 65 x 102cm
 Net weight: 114kg.

Order Code

01CI0972

As above but supplied with a wall mounted control panel, including a 0-60 hour timer.

01CI0972

Optional Extras:

01CI0973/5 Safety protection cover for Model GR/1, with switch to prevent use unless cover is fully closed

01CI0973/6 Safety protection cover for Model GR/2, with switch to prevent use unless cover is fully closed



MODEL GR/1



MODEL GR/2 with safety protection cover



Porcelain Grinding Jars

1.5 litres capacity 150mm diameter x 210mm high, 4.2kg weight	01CI0983
3.0 litres capacity 200mm diameter x 240mm high, 6.6kg weight	01CI0984
5.0 litres capacity 225mm diameter x 280mm high, 9.7kg weight	01CI0985
10 litres capacity 285mm diameter x 320mm high, 15.8kg weight	01CI0986
15 litres capacity 335mm diameter x 360mm high, 20.8kg weight	01CI0987

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