G-SERIES PUGMILLS
All G-Series Pugmills are constructed on the same principle, aluminium bodies which are detachable for easy cleaning, non-rusting individually adjustable blades are fitted as standard to the pug shaft which in turn runs in two taper roller bearings (on some models). These bearings which are protected from the clay by an oil seal and retaining plate which must make G-Series pugmills the best engineered on the market. Safety is another important feature of G-Series pugmills and it is our policy to provide maximum safety without compromising the performance of the machine. All G-Series pugmills are fitted with thermal overload protected starters and safety limit switches which control the motor, when the loading hopper is raised or lowered making them very easy to use, some models are fitted with fixed finger guards in the hopper for protection. Key operated lockout switches can be supplied as an optional extra if required. Another important feature for convenience of the operator is that the handle assembly on the 50mm and 75mm outlet pugmills is in line with the pugmill body thereby avoiding the handle sticking out into the workshop gangway and also making it impossible to tilt the pugmill over when pressure is applied to the handle.

The vertical pugmill G53 has been developed from the G52 to enable it to operate in the vertical plane. The hopper system has been designed for maximum safety and simplicity of operation. The G53 vertical pugmill is entirely self supporting being located on strong box section girders and securely mounted onto a wide steel platform which only has a 600 mm x 600 mm foot print saving valuable space in the workshop or studio.

De-Airing Pugmills
Through continuous research and development and the use of only high quality materials we are able to offer a machine that can give continuous production of a well de-aired plastic body with the minimum of maintenance. All G-Series de-airing pugmills incorporate alloy bodies and blades and are fitted with high quality vacuum pumps and drive units, safety limit switches and overload protected switchgear. A unique feature of G-Series de-airing pugmills is that they all incorporate a anti-feedback tube system within the de-air chamber, this prevents the clay being pushed back and blocking the vacuum chamber and also because of its unique design G-Series is also able to offer a vertical de-airing pugmill which gives all the features of a de-airing pugmill with the space saving advantages of a vertical pugmill and the ability to produce unheard of quality in hollow extrusions.

<table>
<thead>
<tr>
<th>Ref No.</th>
<th>Description</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Weight (kg)</th>
<th>Output (Kg/h)</th>
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<td>3&quot;, horizontal</td>
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<td>609</td>
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GE SERIES PUGMILLS

The GE range of pugmills has been specifically designed for the studio and classroom environment. All GE-series Pugmills are constructed on the same principle, aluminium bodies which are detachable for easy cleaning, non-rusting individually adjustable blades are fitted as standard to the peg shaft which in turn runs in two taper roller bearings (on some models). These bearings which are protected from the clay by an oil seal and retaining plate. All GE-series pugmills are fitted with thermal overload protected starters and safety limit switches which control the motor, when the loading hopper is raised or lowered making them very easy to use. Some models are fitted with fixed finger guards in the hopper for protection. Key operated lockout switches can be supplied as an optional extra if required. Another important feature for convenience of the operator is that the handle assembly on the 50mm and 75mm outlet pugmills is in line with the pugmill body thereby avoiding the handle sticking out into the workshop gangway and also making it impossible to tilt the pugmill over when pressure is applied to the handle.

G49/51E: These machines being both compact and lightweight make them easily transportable. The G49E is fitted with a hopper safety grid and thermal overload safety switch as standard. The G51E is the same model as a G49E but is fitted with an interlocked hopper safety switch. This switch together with its high torque motor makes the pug mill extremely easy to load as there is no safety grid in the hopper to impede the flow of clay. When the loading handle is raised the machine switches off and then on again when the loading handle is lowered.

G50/52E: The G50E is the same compact design as the G49E but has a larger 150 mm barrel with a 75mm outlet. The G50E has a greater out put and due to its larger hopper is easier to use than its smaller cousin, the pug mill is supplied as standard with a thermal overload switch. The G52E is the larger version of the G51E and has the same easy loading hopper fitted with the unique safety interlocked switch.

Specialised Pugmills

Tile Extruder G70

The G70 tile extruder is a very versatile machine. Besides extruding tiles, mouldings, coils etc. can be extruded with the use of the optional die plates. With the standard 100 mm diameter nose cone supplied with the machine other shapes such as hollow forms can be extruded with the use of optional die plates. To obtain optimum performance with the G70 tile extruder, one must be willing to experiment, keeping in mind the variables that are present when working in clay, the importance of moisture content, die balance, shapes etc.

TECHNICAL DATA

Dimensions: 1905mm long x 609mm wide x 1040mm high
Weight: - 270 kilos
Motor gearbox unit: 2.2KW (3Hp) single or three phase
Vacuum pump: - High pressure rotary vane oil immersed -28" (-1 Bar)
Construction: - All aluminium alloy construction with split body to facilitate easy cleaning, individual aluminium alloy blades mounted on a hexagonal shaft. Supplied with all switch gear and an interlocked hopper safety switch.

Bearings: - 2 adjustable taper roller bearings, oil seal and retaining plate

Output: - 60 -80 sq ft/ hour approximately output depends on clay body moisture content, tile dimension, number of operators etc. With standard nose cone fitted out put is rated at 500 Kilos per hour
Standard accessories: - 1- 150mm x 5mm die plate

Power Feed Pugmill G74

The G74 Power Feed Pugmill has been developed from our existing range of de-airing pugmills and incorporates all the latest developments within the range. The machine has been designed to provide excellent service and reliability with ease of maintenance and cleaning. The pugmill consists of a vertically split high grade aluminium alloy barrel 200mm internal diameter with a 100mm outlet nose cone, this nose cone can be interchanged with an optional tile nose cone for the production of different size tiles, power is derived from a high torque helical inline motor and gearbox, this drives a stainless steel hexagonal shaft via a flexible coupling on which there are mounted individual blades which can be altered to change the configuration of the auger itself. The pugmill is fed by a power feed chamber which is driven via a gearbox off the main drive shaft. The power feed chamber consists of two specially designed rollers which draw the clay into the main chamber of the pugmill. The chamber is protected by a safety hopper to prevent contact with the rollers by the operator.

TECHNICAL DATA

Dimensions: 1905mm long x 609mm wide x 1800mm high approximately.
Weight: 350 kg approximately.
Motor/ Gearbox: 3kw (5 Hp ) inline helical reduction drive
Vacuum pump - 28" (-1 Bar) Oil immersed rotary vane
Output: 1200kg per hour approximately.
Outlet size: 100mm approximately.
Optional Accessories - Tile Nose Cone, Stainless steel auger, Variable speed drive.