



**Longton Light Alloys Ltd inc.**  
**Gladstone Engineering Co Ltd**

Foxley Lane . Milton . Stoke-On-Trent .

Staffs . ST2 7EH

Tel 01782 536615

Fax 01782 533415 / 537908

E-mail:- [info@gladstone-engineering.com](mailto:info@gladstone-engineering.com)

---

# G49E Pugmill



## **To users and people responsible for this machine**

**Model;- G49E Pug mill 2" Outlet one phase + fitted finger guard**

**Serial Number;-**

**CE02**

### **Description**

These pug mills are one of the best engineered pug mills available . They are constructed from a high grade aluminium alloy which is both light weight and durable. Power is driven through a reduction worm drive gearbox. The gearbox drives a hexagonal shaft on which is mounted 10 individual plastic blades.

### **Installation**

The pug mill must be securely bolted directly to a suitable bench or an optional pug mill stand.

### **Electrical Connection**

We strongly recommend that all electrical connections are made by a qualified electrician . This unit is class SCI and must be connected to a suitable earthed supply .

Single phase connections	Brown	= live
	Blue	= Neutral
	Green/Yellow	= Earth

If any doubt contact your local agent or our technical department.

### **Operation**

When the machine has been installed and switched on ensure the blades are rotating in an anti-clockwise direction if viewed from the extruding end. There is an arrow cast on the barrel to confirm rotation. Lift the handle of the pug mill and feed the clay into the machine. Do not try to feed large quantities of clay or use excessive force on the handle.

After you have finished pugging ensure the nozzle and feed chamber are sealed to prevent the clay from drying out.

When extruding small sections by fitting die plates to the end of the pug mill, great care must be taken in the use of the pug mills so as not to cause the machines to overload. Consideration should be given to the consistency of the clay and the amount of clay loaded in to the ma-

chine.

### **Maintenance**

Strip and clean the pug mill at regular intervals DO NOT leave the pug mill full of clay for long periods of time. Regularly check the condition of the finger guard in the hopper for wear. If this shows signs of deteriorating replace immediately. The gearbox and motor are sealed for life units and should not require any regular maintenance.

### **Cleaning**

#### **G49**

Ensure machine is isolated from the mains before starting .

Remove the single pin securing the foot to the pug mill frame at the front of the machine . Remove the four M10 nuts securing the body to the back plate , raise the handle and pull the body forward . If you experience difficulty in removing the body, screw the two M8 pins supplied into the threaded holes on the rear body flange , ensure the four M10 nuts are removed as described above and turn the M8 pins in a clockwise direction this will push the body away from the back plate enough to ensure easy removal. Once the barrel and blades are cleaned re-assembly is the reversal of the above procedure.

#### **Amendment**

Machines fitted with Micro-switch.

#### **IMPORTANT NOTICE if you have the G56 Option fitted**

These machines are fitted with a Interlocked switch to prevent contact with the auger during operation. Under no circumstances should these pugmills be operated with the switch disconnected. When cleaning the pugmill remove the handle assembly complete, this is done by removing the three securing pins on the rear or the side of the feed hopper which secure the bracket to the hopper it self, remove the cable clips and swing the assembly clear to enable the barrel unit to be moved clear, upon re assembly do not over tighten the three handle pins as this will cause damage to the threads.

Once per month check security of the switch and that it is operating correctly, if not contact our technical department for advice.

#### **Safety**

1. Before using the machine , tie back long hair , remove or secure any loose articles of clothing.

2. DO NOT remove any of the guards or safety devices fitted to the machine.
3. Always isolate from the electrical supply when leaving the machine, cleaning or attempting any maintenance or repair
4. It is recommended to use these machines with a RCB Residual Current Breaker.
5. Make sure the safety devices are regularly checked and maintained in effective working order
6. Do not attempt to clean the machine whilst switched on, switch it off and unplug if first.

### **Specifications**

Make of drive unit     - Motorvario

Lubrication             - Sealed for life

If you require any further information please contact your local agent or our technical department.



## European Declaration of Conformity

**Longton Light Alloys Ltd Inc. Gladstone Engineering.  
Foxley Lane Milton Stoke on Trent ST2 7EH**

We declare that the equipment described below was manufactured to comply with directives listed.  
We do not give any assurance that the equipment is suitable for any purpose other than that listed below and must be operated and maintained in accordance with our operating instructions.

**Products.**

G49E Pugmill

**Directives.**

LVD - Low Voltage Directive 2006/95/EC.

EMC - Electromagnetic Compatibility Directive 2004/108/EC.

Machinery Directive 2006/42/EC

**Harmonized Standards.**

BS EN 292-1 , BSEN ISO 13857:2008 BSEN 60204-1:2006

**Purpose of use.**

For the extrusion of clay

**Product serial number.**

GE

**Manufacture year.**

As per invoice date

Technical documentation is held for this product.



# **Longton Light Alloys Ltd inc.**

## **Gladstone Engineering Co Ltd**

Foxley Lane . Milton . Stoke-On-Trent .

Staffs . ST2 7EH

Tel 01782 536615

Fax 01782 533415 / 537908

E-mail;- [info@gladstone-engineering.com](mailto:info@gladstone-engineering.com)

---

### **Warranty**

#### **1) Conditions**

All of the terms and conditions of this warranty are contained in this certificate and cannot be varied without the written authorisation of the company. It is expressly agreed that the company will be released from all liability and obligations under this warranty if the terms and conditions of this certificate are not fully complied with in full.

#### **2) Risk covered**

The risk covered by this certificate is failure of the product within 12 months of the date of invoice as a result of electrical or mechanical breakdown attributable to workmanship and/or faulty material used in manufacture. If the product fails during the warranty period due to fair wear and tear the company will not be liable.

#### **3) Coverage**

Coverage will only extend to the repair of the product.

#### **4) Notification of claim**

Any claim under the warranty must be notified to the company within 14 days of breakdown. The procedure for notification is set out in paragraph 3 of the section headed claim procedure.

#### **5) Repairs to products**

Any work under this certificate to products will be carried out at the companies premises. Products must be returned via the place of purchase only at the purchasers expense.

#### **6) Transfer of cover**

No transfer of cover is allowed to other products or persons other than the original purchaser.

## 7) Avoidance of cover

The certificate of warranty shall be void in the event of fraud, nondisclosure or if the purchase has tried to repair the product without first notifying the company and without receiving the companies written permission.

### **Exceptions**

- 1) The company will not be liable in the event that breakdown:-
  - 1.1) Is caused by or in consequence of:-
    - a) accident, fire, lightening, theft, explosion, aircraft or other aerial device or articles dropped therefrom, flood or earthquake.
    - b) scratching, denting or the direct application of a tool.
    - c) abuse, misuse or neglect or use of the product which is not in accordance with the companies instructions.
    - d) the variation and/or failure of water supply.
    - e) the permanent or temporary termination of any mains service whether due to any act or default of the certificate holder.
    - f) adjustment of external controls.
    - g) the failure and/or replacement of parts, incorrect connections to water/electricity supplies or external wiring or plumbing not forming part of the product.
    - h) corrosion.
    - i) blockages.
    - j) foreign bodies entering any part of the product.
- 2) The company will not be liable for damage to any parts, wiring, inlets or anything not belonging to the product.
- 3) The company will not be liable for:-
  - 3.1) the loss of routine inspection or modifications.
  - 3.2) loss of use of the product or consequential loss of any nature.
  - 3.3) the amount of any loss or damage recoverable under any household insurance or the insurance policy or guarantee.
- 4) The company will not be liable if :
  - 4.1) the product is purchase second hand.
  - 4.2) the product is modified in any way after leaving the companies premises.

5) The certificate does not cover:-

5.1) loss or damage caused by or occurring through war, invasion of foreign enemy, hostilities (whether war has been declared or not), civil war, rebellion, insurrection or military or usurped power, riot, strike, labour, disturbance, lockout, or civil commotion.

5.2) loss or destruction of, or damage to, any property whatsoever resulting or arising therefrom, or any consequential loss or legal liability of whatsoever nature directly or indirectly caused by or contributed to or arising from:-

- a) ionising radiation or contamination by radioactivity from any nuclear fuel or any nuclear waste from the combustion of any nuclear fuel.
- b) the radioactive, toxic, explosive or other hazardous properties of any explosion, nuclear assembly or nuclear component thereof.

5.3) loss, destruction or liability directly occasioned by pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds.

to the product, or less occurring outside the mainland of Great Britain/ EEC6) repairs made

CLAIM PROCEDURE

- 1) In the event that your product breaks down during the period of this warranty you should first ensure that you have checked the companies instruction leaflet to ascertain that the failure is not due to a simple circumstance such as wrongly adjusted control or blown fuse that may be corrected by yourself . Please remember that you may be charged a “call out” fee if the repair is not necessary.
- 2) Refer to the conditions and expectations section above. If the failure is not covered by this certificate you will be charged the cost of the repair.
- 3) Contact your place of purchase within 14 days, you should quote your invoice number along with a description of the product, serial number and breakdown. You will also need to arrange for the return of the product to the company if repair is necessary. Return of the product is at the purchasers expense. The company will not be liable for any transportation costs.
- 4) Advice can be given on the telephone for simple breakdowns so always describe the breakdown exactly to your place of purchase.