

Cromartie

CH7136A Pugmill



TO USERS AND PEOPLE RESPONSIBLE FOR THIS MACHINE

The person responsible should make these instructions known to all other responsible people who intend to use this machine. Do not use this machine for any purpose other than what it is designed for. These pug- mills are one of the best engineered pugmills available. They are constructed from a high grade of aluminum alloy which is both light weight and durable. Power is derived from a high torque motor and is delivered through a reduction gearbox; the gearbox drives the auger blades from a hexagonal shaft via a coupling.

Installation

The pugmill should be secured using the bolt holes provided to a suitable level work surface at the correct height for ease of operation. The vertical pugmill should be positioned in the studio and securely bolted to the floor using the bolt holes provided in the stand.

Electrical Installation

All our pugmills are complete with thermal overload switches and are fully wired and need only to be connected to a suitable mains supply . For single phase connection all UK machines are fitted with a three pin 13 ampere fused plug.

Electrical wiring

Brown	= Live
Blue	= Neutral
Yellow/ Green	= Earth

Warning

Under no circumstances should these machines be used without a earth connection.

Operation

When the machine has been installed and switched on the auger blades will rotate in an opposite clockwise direction if viewed from the extruding end. If this is not so an electrician should be called to reverse the direction. Lift the handle of the pug to reveal the guard in the compression chamber, clay can now be fed into the chamber.

Note

The clay should not contain any foreign bodies or abnormal hard lumps that will impede its passage through the safety grid. Load only small amounts of clay into the chamber about the size of a fist, to large amounts of clay into the chamber about the size of a fist, to large amounts will make it difficult to force the clay into the pugmill.

Press down on the handle to force the clay into the pugmill do not use excessive force or extra leverage on the handle. When feeding the machine do not try to force the clay through the machine, judge the input of clay by the output of the extrusion.

Maintenance

Grease the nipple located between the pug body and the coupling housing at least after 20 hours of operation. The vertical pugmills have two further grease nipples for the handle mechanism which will also require greasing at the same time. The motor gearboxes are pre packed when purchased and should require very little attention, but consult the data sheet on relevant drive systems. Periodically check the condition of the safety grid and security of all fittings.

IMPORTANT NOTICE

These machines are fitted with an 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 hooper which secure the bracket to the hooper itself, 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.

Cleaning

These pugmills are the easiest to clean. They do not require to be moved from the bench or pug stand to remove the barrel and auger flights. Remove the 4 bolts from the diameter of the nose cone and dislodge from the body . Remove 4 bolts on the back plate and the 2 bolts on the front foot of the barrel chamber and dislodge the chamber from the back plate . Remove the small pin and washer from the end of the drive shaft, this will permit the auger blades to be removed if neces-

sary. The assembly of the unit is the reverse of the above.

Please Note

Regular cleaning will aid the performance of the pugmill, cleaning should also be done before use if the pugmill has been left for any period of time.

SAFETY

- 1) Before using the pugmill, 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 it first.

SPECIFICATIONS

MAKE OF DRIVE UNIT

LUBRICATION

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

Equipment Design

These pugmills use two paper roller bearings, this design ensures free running and exceptional long life. The ingress of any water or clay into the bearing housing is prevented by an oil seal and retaining plate and with correct care and maintenance should have a life in excess of 25 years.



European Declaration of Conformity

**Cromartie Hobbycraft Limited, Park Hall Road, Longton,
Stoke-on-Trent, Staffordshire, ST3 5AY**

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.

CH7136A 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.

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 attribute 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 break- down . 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 purchaser's expense.

6) Transfer of cover

No transfer of cover is allowed to other products or people 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 company's written permission.

Exceptions

- 1) The company will not be liable if breakdown: -
 - 1.1) Is caused by or as a consequence of:-
 - a) accident, fire, lightning, 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 purchased second hand.
 - 4.2) the product is modified in any way after leaving the company's 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 loss occurring outside the mainland of Great Britain/ EEC6)

repairs made CLAIM PROCEDURE

- 1) If your product breaks down during the period of this warranty you should ensure that you have checked the company's 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 purchaser's 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.