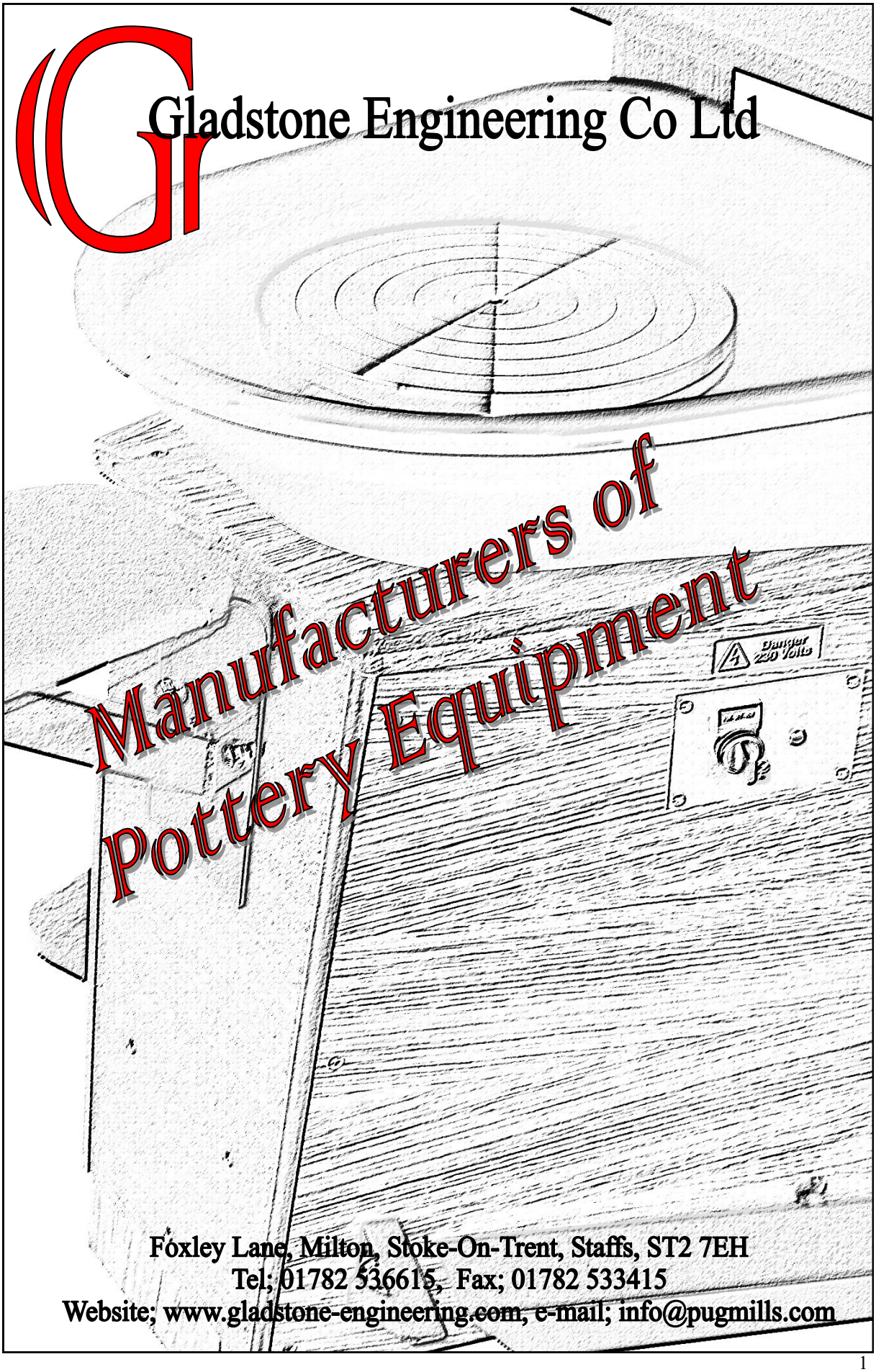
Gladstone Engineering Co Ltd



Manufacturers of Pottery Equipment

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Welcome

Thank you for your interest in Gladstone engineering. We are a family owned company based in Stoke on Trent the heart of the Ceramics industry in the UK , with its long established history from Wedgwood to Royal Doulton .

Gladstone's experience stems from 30 years of manufacture making us the largest manufacturer of hobby and studio equipment in the UK.

We are very proud of our Company and its products and we have established our business on four main key objectives -

Service

Customer service is at the top of our list, you the customer are the most important part of our business and we will always where ever possible provide the right product to suit your requirements. Our customer follow up service covers technical assistance spare parts for all our machines and we also can supply assistance with machines from other manufacturers, we can also offer repair or Servicing facilities.

Safety

Safety in design , operation and maintenance is a primary goal in all Gladstone equipment. Safety begins in the design stages and is carried through to quality control and the correct selection of materials and drive components complying with all relevant governmental requirements. Safety features that are not generally featured on other manufacturers equipment you will find fitted as standard on Gladstone's equipment , we regularly seek advice from Her Majesty's heath and safety inspectorate to stay ahead of future legislation .

All Gladstone equipment is CE marked and is compliant with the current regulations, Safety is not a word but a way of thinking for Gladstone.

Quality

All Gladstone equipment is hand built using only the best drives and components that are suitable for the product. We cast all our own castings in our on site foundry which is (BS EN ISO 9002) approved, we machine all our own components in our machine shop, we do not sub contract to the cheapest bidder and therefore have a greater control in the finished product. All our machines are electrically tested and go through a pre delivery inspection to ensure that the machine is to the highest standard of finish.

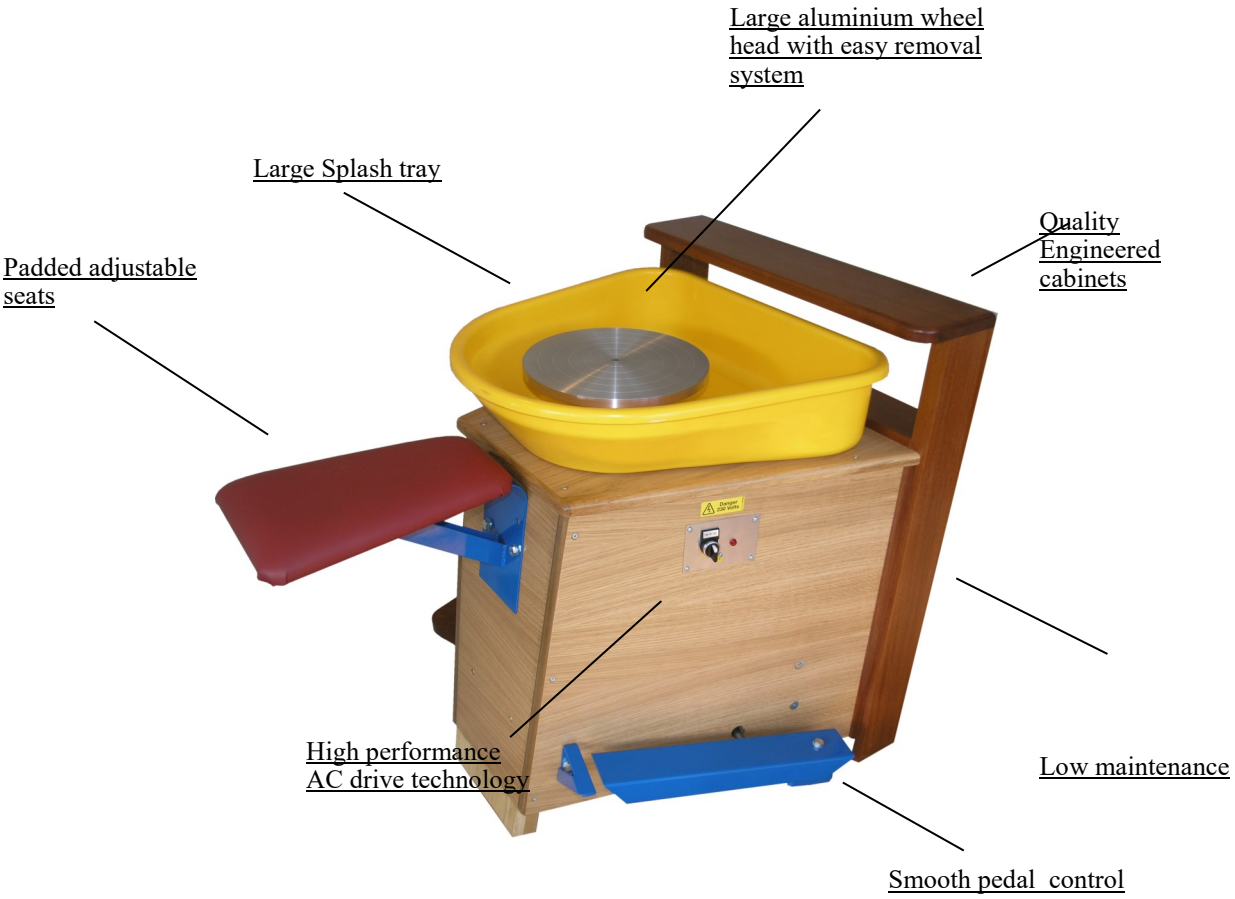
Dependability

A great amount of time and effort has gone into the development and design of all Gladstone's machines and we continually strive to improve our products to increase efficiency and performance . Gladstone does not build to a price we build to a standard and then offer this standard at a competitive price with all the benefits and dependability of a Company that is proud of its products and services.

David L Bailey, Managing Director,

We are happy to deal with your sales enquiries or any technical queries you may have. Just give us a call on 01782 536615.

Potters Wheels



When you purchase a wheel it is a major investment for a potter, and when you purchase a Gladstone wheel it is comforting to think that years of experience using traditional hand built methods with the highest quality components gives you a wheel of superior quality and reliability with the back up of highly skilled and experienced company .

All Gladstone wheels are built to a very high standard be it in the traditional design or the more modern lower format. We have carried out extensive research into electronic AC controls and incorporated these into all our electronic wheels , these will give greater torque and performance than any comparative DC powered wheel whilst offering extremely smooth and quite operation. All our wheel s can be fitted with various designs of wheel heads including studded and easy lift wheel heads that can accept ply bats. The wheels specifications list the Centring weight of each wheel as a indication of the wheels capabilities, this is listed as a guide line as actual performance is down to the individual operator.

G35 Staffordshire wheel

The Gladstone Staffordshire Wheel is a traditional potters wheel which is designed to give a long and trouble free service . The very strong and stable wooden cabinet is constructed from a environmentally friendly and sustainable source . The cabinet is finished to a high polish and incorporates a integral shelf .The wheel has a large one piece splash tray which has a built in drain for ease of cleaning and has a padded upholstered seat that is adjustable in height .
The Staffordshire wheel incorporates a sophisticated and reliable drive mechanism which offers a extremely quiet and vibration free control whilst giving a very powerful wheel with excellent torque response through the speed range and is fully reversible .

Specification	
Drive Motor	Ac variable speed 0.37Kw (0.5Hp) industrial continually rated 0-280 RPM 230v power supply
Wheel head	12 inch (305 mm) Aluminium , Optional easy lift and studded wheel heads for bats available
Dimensions	1170mm long x 760mm wide x 920mm high Weight—70 Kg
Centering weight	25 Kilos
Construction	Polished wooded cabinet with heavy duty sealed for life bearings

G30 Classic wheel

The G30 classic wheel is a development of the G35 and is fitted with a larger more powerful motor . The whole cabinet is polished to bring out the natural beauty of the timber. The seat is foam filled simulated leather and is fully adjustable for height. The seat bracket like all other fittings on the cabinet are constructed of cast aluminium alloy, this again enhances the overall solid construction.
The drive concept and mechanism is widely acclaimed as being one of the finest drive units available to the potter. The G30 is no exception with its high torque and extremely smooth and sensitive speed control that can be reversed at a flick of a switch . The wheel is fitted with a large moulded splash tray and 12” easy removable Aluminium wheel head , which is fully reversible .

Specification	
Drive Motor	Ac variable speed 0.55Kw (0.75Hp) industrial continually rated 0-280 RPM 230v power supply
Wheel head	12 inch (305 mm) Aluminium , Optional easy lift and studded wheel heads for bats available
Dimensions	1170mm long x 760mm wide x 920mm high Weight—74 Kg
Centering weight	30 Kilos
Construction	Polished wooded cabinet with heavy duty sealed for life bearings

G39 Atlas wheel

The Gladstone Atlas Wheel has been specifically designed for professional use and its load capacity is in excess of 50 kilos of clay. The Atlas is constructed from a reinforced polished wooden cabinet with hardwood front and side legs and a hardwood integrated shelf. The wheel is complimented by a upholstered seat which is adjustable for height , and is fitted with a large moulded plastic bowl . The Atlas wheel sits 6” lower than a standard wheel of this type to enable the throwing of tall items, the drive is supplied via a twin belt drive from a 0.75 Kw, (1Hp)motor which is controlled via a sophisticated control unit that is capable of maintaining high torque response at slow speeds.

The wheel is almost silent in operation and also offers a extremely smooth response , this wheel is for the discerning professional who requires a work horse of a wheel with great power and reliability.

Specification	
Drive Motor	Ac variable speed 0.75Kw (1 Hp) industrial continually rated 0-280 RPM 230v power supply
Wheel head	12 inch (305 mm) Aluminium , Optional easy lift and studded wheel heads for bats available
Dimensions	1170mm long x 780mm wide x 760 mm high Weight—90 Kg
Centering weight	50 Kilos
Construction	Polished wooded cabinet with heavy duty sealed for life bearings

G31 Power wheel

The Gladstone Power Wheel is a sturdily built all metal wheel designed to provide long trouble free service. The design lends itself to either studio or home use and is also ideal for the education environment due to its compact and robust design . In order to eliminate the constant need for care and attention the power wheel has been constructed of aluminium and steel. This wheel will withstand the hard use, undamaged that is so essential a requirement in the college or school environment. The seat is foam filled simulated leather and is fully adjustable for height. The control of the wheel is via the remote foot pedal that can be pre set to maintain speed of the wheel head , it also enables a teacher to control the wheel form a comfortable position for the student . The wheel is fitted with a reverse switch to enable the wheel head to rotate clock wise for turning or for the left handed thrower.

Specification	
Drive Motor	Ac variable speed 0.37Kw (0.5Hp) industrial continually rated 0-280 RPM 230v power supply
Wheel head	12 inch (305 mm) Aluminium , Optional easy lift and studded wheel heads for bats available
Dimensions	1120mm long x 450mm wide x 580mm high Weight—64 Kg
Centering weight	25 Kilos
Construction	Aluminium top section sheet steel sides finished in a powder coating ,sealed for life main bearings

G37 Knightsbridge wheel

The Knightsbridge Wheel is one of our most popular wheels it is light and compact so that it can easily be transported in the back of a modern hatch back , the Knightsbridge wheel uses a 0.37Kw (1/2Hp) motor which is controlled by the same control unit used in our more expensive wheels, this provides unrivalled power and torque in a wheel of this size and offers a extremely quiet and smooth operation. The wheel is completed by its remote foot pedal which is fitted as standard and the wheels ability to reverse rotation at the flick of a switch. The knights bridge is very competitively priced and is highly recommended .
(Shown with optional seat)

Specification	
Drive Motor	Ac variable speed 0.37Kw (0.5Hp) industrial continually rated 0-280 RPM 230v power supply
Wheel head	12 inch (305 mm) Aluminium , Optional easy lift and studded wheel heads for bats available
Dimensions	630 mm long x 470mm wide x 680 mm high Weight—40 Kg
Centering weight	25 Kilos
Construction	Fabricated sheet steel with a durable powder coated finish , sealed for life main bearings

G40 Stratford wheel

A well designed and constructed wheel suitable for the professional studio potter and educational establishments. The wheel is extremely robustly built with a durable powder coated sheet steel construction ,the G40 incorporates heavy duty sealed for life bearings and is driven by a electronic variable speed motor which give excellent speed and torque response and also makes the wheel very quiet and smooth to operate. The wheel is complete with a 12" aluminium wheelhead, an adjustable foot pedal and a large height adjustable padded seat.
Fullyeversible wheelhead.

Specification	
Drive Motor	Ac variable speed 0.37Kw (0.5Hp) industrial continually rated 0-280 RPM 230v power supply
Wheel head	12 inch (305 mm) Aluminium , Optional easy lift and studded wheel heads for bats available
Dimensions	920mm long x 690mm wide x 785mm high Weight—70 Kg
Centering weight	25 Kilos
Construction	Fabricated sheet steel construction with a durable powder coated finish

G27 Rehabilitation wheel

The Gladstone Special Needs Wheel has been designed with quality, reliability and ease of use in mind.
Incorporating many of our standard wheel features this wheel comes with a few extra advantages, the splash tray and wheel head are standard size but the whole section can be moved up and down by the using the crank handle to adjust it to suit the height you require. With the wide splayed legs you can locate a wheel chair or normal chair to a comfortable position for throwing. Use the (optional) screw down feet to stabilise the wheel . The wheel is fitted with four lockable castors so it can easily moved into position or stored away .

Specification	
Drive Motor	Ac variable speed 0.37Kw (0.5Hp) industrial continually rated 0-280 RPM 230v power supply
Wheel head	12 inch (305 mm) Aluminium , Optional easy lift and studded wheel heads for bats available
Dimensions	1230mm long x 830mm wide x variable height Weight—90 Kg
Centering weight	20 Kilos
Construction	Fabricated sheet steel construction with a durable powder coated finish

G28 Momentum wheel

The **G28 Momentum wheel** is a return to the traditional design of Potters Wheel.
The G28 is constructed from a fabricated steel frame and was designed for easy use.
The heavy steel flywheel is mounted on two long life sealed bearings and is coated with an anti slip coating to provide grip when touching the fly wheel.
Optional extras

Motor Assist
Large Splash Bowl
Padded Seat

Specification	
Drive Motor	N/A
Wheel head	12 inch (305 mm) Aluminium , Optional easy lift and studded wheel heads for bats available
Dimensions	1070mm long x 750mm width x 900mm high Weight—95 Kg
Centering weight	N/A';
Construction	Fabricated sheet steel construction with a durable powder coated finish

G34 Bailey wheel

The Gladstone Bailey wheel offers the studio and professional potter a wheel of unparalleled performance and versatility in a compact and user friendly design .
The Bailey wheel has been designed to complement a European style of throwing with the wheel head set at a greater height than most wheels of this style allowing a more comfortable throwing position.
The wheel is powered by a super smooth 1/2hp drive that is controlled by a computer enhanced VF drive that due to its unique design can generate up to the peak equivalent of 1Hp under heavy loads this enables the wheel to give constant smooth power through out the speed range and is extremely quiet in operation . The Bailey wheels has a large one piece splash tray and can also be supplied with numerous options that can be added to the wheel.
Options available
Fitted Seat , Shelf unit , Shaft extension to raise the height of the wheel head , Reversing switch

Shown with optional extras

Specification	
Drive Motor	Ac variable speed 0.37Kw (0.5Hp) industrial continually rated 0-280 RPM 230v power supply
Wheel head	12 inch (305 mm) Aluminium , Optional easy lift and studded wheel heads for bats available
Dimensions	630mm long x 470mm wide x 680mm high Weight—40 Kg
Centering weight	25 Kilos
Construction	Precision laser fabricated chassis with a durable powder coated finish , Sealed for life separate bearing housing

G41 Bailey Tutorial wheel

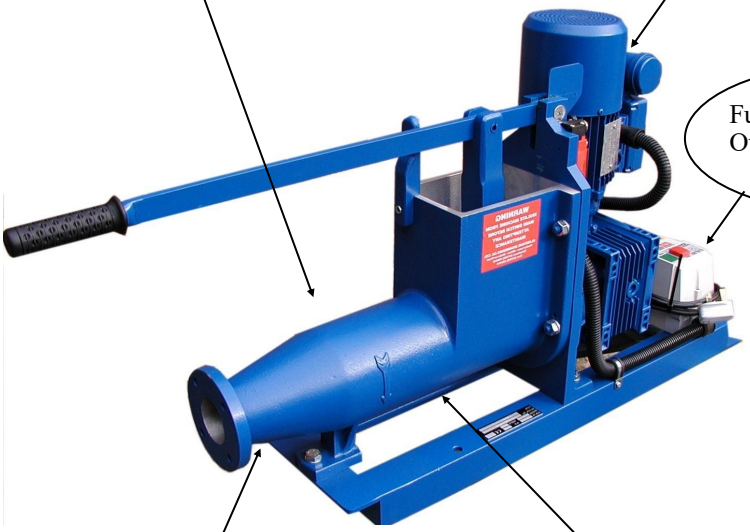
The Bailey Tutorial has been designed so that face to face teaching can be implemented enabling the teacher to control the wheel via the remote pedal and when the student is suitably confident then control can be handed back to the student .
The wheel is powered by a super smooth 1/2hp drive that is controlled by a computer enhanced VF drive that due to its unique design can generate up to the peak equivalent of 1Hp under heavy loads this enables the wheel to give constant smooth power through out the speed range and is extremely quiet in operation .
The wheel has a large one piece plastic bowl that has plenty of room for water containers and tools .

Specification	
Drive Motor	Ac variable speed 0.37Kw (0.5Hp) industrial continually rated 0-280 RPM 230v power supply
Wheel head	12 inch (305 mm) Aluminium , Optional easy lift and studded wheel heads for bats available
Dimensions	1300mm long x 470mm wide x 680mm high Weight—50Kg
Centering weight	25 Kilos
Construction	Precision laser fabricated chassis with a durable powder coated finish , Sealed for life separate bearing housing

Optional wheel heads and Accesories

We have a range of wheel heads available for all our wheels including easy lift bat systems and studded wheel heads .

Gladstone Pugmills



Fully tested and CE marked

High Quality Drives

Fully wired with Overload online starter

Vertically split bodies For easy cleaning

Thick section sturdy Cast aluminium bodies

G49E 50mm pugmill

The Gladstone E range of pugmills has been specifically designed for the studio and classroom environment. These machines being both compact and lightweight make them easily transportable. The 49E is fitted with a hopper safety grid and thermal overload safety switch as standard.
The G49E has a 4 inch (100mm) aluminium , 2" (50mm) extrusion, Split body to facilitate easy cleaning, Individual aluminium blades mounted on a hexagonal steel shaft allows the blades to be altered for different configurations for better mixing or extrusion .

Specification	
Drive Motor	0.37Kw (0.5 Hp) reduction drive gearbox direct drive 230/ 400v
Out put	Approximately 180 Kg per hour
Dimensions	800mm long x 280mm wide x 470mm high Weight—37 Kg
Construction	Cast Aluminium 100mm barrel with 50mm extrusion , Split body to facilitate easy cleaning
Finish	Durable powder coated finish

G50E 75 mm pugmill

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 and safety grid .
The G50E has a 6" aluminium body, 3" (75mm) extrusion, Split body to facilitate easy cleaning, Individual aluminium blades mounted on a hexagonal steel shaft allows the blades to be altered for different configurations for better mixing or extrusion .

Specification	
Drive Motor	0.37Kw (0.5 Hp) reduction drive gearbox direct drive 230/ 400v
Out put	Approximately 180 Kg per hour
Dimensions	800mm long x 280mm wide x 470mm high Weight—71 Kg
Construction	Cast Aluminium 100mm barrel with 50mm extrusion , Split body to facilitate easy cleaning
Finish	Durable powder coated finish

G52 75mm Pugmill

The G52 has a 6" aluminium body, 3" (75mm) extrusion, Split body to facilitate easy cleaning, Individual aluminium blades mounted on a hexagonal steel shaft allows the blades to be altered for different configurations for better mixing or extrusion . The G52 has a inline helical drive unit for more efficient and greater performance over the G50E and is ideal for more heavy duty applications .

Specification	G52 Pugmill
Drive Motor	0.75Kw (1 Hp) reduction drive gearbox direct drive 230/ 400v
Out put	Approximately 360 Kg per hour
Dimensions	1300mm long x 310mm wide x 510mm high Weight—71 Kg
Construction	Cast Aluminium 150mm barrel with 75mm extrusion , Split body to facilitate easy cleaning
Finish	Durable powder coated finish

G52P Power feed pugmill

The G52P power-feed pugmill is a welcome addition to Gladstone's range of machinery.
The G52P is based on our popular G52 range but has the added benefit of a powered feed system. This eliminates the need for a feed handle and plunger making the machine extremely user friendly.
The power feed mechanism consists of two alloy feed rollers driven via a reduction drive, during loading the drive is isolated from the pugmill via a electronically interlocked loading lid, this prevents contact with the feed rollers whilst in use.

All Gladstone pugmills are easy to clean and maintain and the G52P is no exception .The pugmill can be supplied with a number of options including die plates for coil extrusions .

Specification	G52 Pugmill
Drive Motor	0.75Kw (1 Hp) reduction drive gearbox direct drive 230/ 400v
Out put	Approximately 360 Kg per hour
Dimensions	1300mm long x 310mm wide x 510mm high Weight—75 Kg
Construction	Cast Aluminium 150mm barrel with 75mm extrusion , Split body to facilitate easy cleaning
Finish	Durable powder coated finish

G53 & G55 Vertical Pugmills

Gladstone engineering produce the G53 and G55 pugmills which are unique in there design , these pugmills are mounted vertically this has the added benefit of a small foot print as regards to the space they require yet due to the design offers superior performance over conventional horizontal machines .

The Vertical pugmils are manufactured from heavy section cast Aluminium castings and have individually mounted auger blades which can be altered to change the configuration to suit different Clays and extrusion applications. The Auger is mounted through two taper thrust bearings and is driven via a flexible coupling from a inline helical geared motor .

These pugmills are most suited to users who frequently recycle larger quantities of Clay than the standard horizontal pugmills

Specification	G53 Pugmill
Drive Motor	0.75Kw (1 Hp) reduction drive gearbox direct drive 230/ 400v
Out put	Approximately 360 Kg per hour
Dimensions	711mm long x 609mm wide x 1980mm high Weight—123 Kg
Construction	Cast Aluminium 150mm barrel with 75mm extrusion , Split body to facilitate easy cleaning
Finish	Durable two stage coated finish

Specification	G55 Pugmill
Drive Motor	1.1Kw (1.5 Hp) reduction drive gearbox direct drive 230/ 400v
Out put	Approximately 700 Kg per hour
Dimensions	760mm long x 760mm wide x 2300mm high Weight—300 Kg
Construction	Cast Aluminium 200mm barrel with 100mm extrusion , Split body to facilitate easy cleaning
Finish	Durable two stage coated finish

Optional pugmill accesories

All Gladstone Pugmills can be fitted with numerous options and we can also manufacture to customer individual requirements .

G100 Horizontal pugmill stand

for G49/50/52/52P

Dimensions
940mm x 520mm
x 760mm high
Weight 20Kgs

G56 Interlocked safety switch

Gladstone pugmills can be fitted with a sophisticated safety interlock switch . This switch removes the need for a mechanical guard making the pugmills very easy to use but still meet the required safety standards . The switches are of a special design in that they contain back up contacts and they meet the standards as defined by BSEN for the requirements of a switch to be used in guarding systems .

G48 70mm de-airing Pugmill

The G48 is a 70 mm out let de-airing pugmill this machine can be offered in range of specifications and is ideal for the small studio or educational use as it only takes 7Kgs of clay to fill the machine up .

The standard machine incorporates Aluminium barrels and nose cone with Nylatron blades . The auger is powered by a in line helical drive motor and gearbox and the pugmill is supplied complete with a high volume vacuum pump.

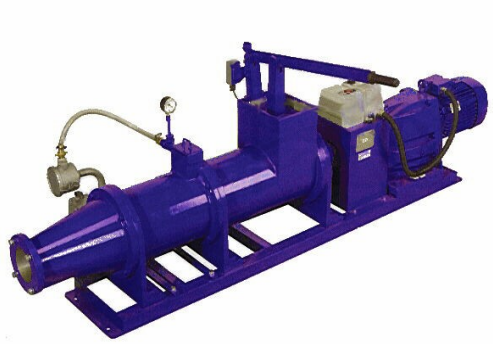
The G48 has externally removable shredder plates for easy cleaning making it one of the most user friendly machines available . The pugmill can be supplied with various options including die plates for coil extrusion and tile nose cone and dies for extruding tiles .

Specification	G48 70mm de-airing pugmill
Vacuum pump	High volume
Drive Motor	0.75Kw (0 1Hp) reduction drive gearbox direct drive 230/ 400v
Out put	Approximately 220 Kg per hour
Dimensions	1260mm long x 310mm wide x 470mm high Weight—65 Kg
Construction	Cast Aluminium 100mm barrel with 70mm extrusion , Split body to facilitate easy cleaning
Finish	Durable powder coated finish

G76 75mm de-airing Pugmill

The G76 is a 75 mm out let de-airing pugmill this machine can be offered in range of specifications and is ideal for the small studio or educational use .

The standard machine incorporates Aluminium barrels and nose cone with Aluminium blades and uses the same design drive system as the G48 , the G76 offers a greater capacity both in output of clay and also a increase in size of extrusions . The G76 can also be fitted with die plates and tile nose .



Specification	G76 75mm de-airing pugmill
Vacuum pump	High volume
Drive Motor	1.1Kw (1.5Hp) reduction drive gearbox direct drive 230/ 400v
Out put	Approximately 320 Kg per hour
Dimensions	1600mm long x 500mm wide x 470mm high Weight—145 Kg
Construction	Cast Aluminium 150mm barrel with 75mm extrusion , Split body to facilitate easy cleaning
Finish	Durable powder coated finish

G77 75mm Vertical de-airing Pugmill

The G77 is a development of our successful De-airing range of pugmills.Gladstone pioneered the anti feed back system in de-airing pugmills over 20 years ago and due to this very successful development we are able to offer the only production Vertical de-airing pug mill . The G77 has all of the advantages of a standard Vertical pugmill these include the ease of use the more ergonomic loading position and the very compact design that only uses a small amount of floor space ,less space than our smallest pug mill mounted on a bench .

The incredible advantage of the G77 is not only that it can produce a well de-aired body that can be used straight out of the pug mill but with the fitment of optional dies it can extrude thin wall hollow extrusion with out the risk of the extrusion collapsing .

A fantastic machine for educational and professional use.

Specification	G77 75mm Vertical de-airing pugmill
Vacuum pump	High volume
Drive Motor	1.1Kw (1.5Hp) reduction drive gearbox direct drive 230/ 400v
Out put	Approximately 320 Kg per hour
Dimensions	711mm long x 609mm wide x 2200 mm high Weight—180Kg
Construction	Cast Aluminium 150mm barrel with 75mm extrusion , Split body to facilitate easy cleaning
Finish	Durable powder coated finish

G54 100mm de-airing Pugmill

The G54 is the largest out let machine at 100 mm it is capable of producing up to 500 kilos per hour of clay and is extremely robust in construction . The G54 uses heavy section cast Alloy barrels with anti barrelling strips , the auger consists of individual Alloy blades mounted on a hexagonal shaft , these can be altered in configuration depending on the required performance . The G54 is supplied complete with all the required switch gear and a interlocked hopper safety switch .

Specification	G54 100 mm De-airing pugmill
Vacuum pump	High volume oil immersed
Drive Motor	2.2Kw (3 Hp) reduction drive gearbox direct drive 230 single phase / 400v three phase
Out put	Approximately 500 Kg per hour
Dimensions	1800mm long x 320mm wide x 670mm high Weight—180Kg
Construction	Cast Aluminium 200mm barrel with 100mm extrusion , Split body to facilitate easy cleaning
Finish	Durable powder coated finish

G74 Power feed 100mm de-airing Pugmill

Power Feed Pugmill

The Gladstone 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.

Specification	G74 100 mm De-airing pugmill power feed
Vacuum pump	High volume
Drive Motor	3 Kw (5 Hp) reduction drive gearbox direct drive 230 single phase / 400v three phase
Out put	Approximately 1000 Kg per hour
Dimensions	1905mm long x 620 mm wide x 1800 mm high Weight—350 Kg
Construction	Cast Aluminium 200mm barrel with 100mm extrusion , Split body to facilitate easy cleaning
Finish	Durable powder coated finish

G70 tile extruder

Thee Gladstone 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 dia nose cone supplied with the machine other shapes such as hollow forms etc can be extruded with the use of optional die plates. To obtain optimum performance with the Gladstone tile extruder one must be willing to experiment. Keeping in mind the variables that are presnt when working in clay, the importance of moisture content, die balance, shapes etc The Gladstone tile extruder is a purpose designed machine for the extrusion of tiles and as such is an ideal machine for the small clay manufacturer. It has been designed around our standard de-air pugmill using the same principal of design but incorporating a larger higher torque motor gearbox unit. The machine is also fitted with a completely new nose cone outlet designed to enable tiles of approximately 280 mm width by upto 25 mm thick to be extruded. Smaller and /or thinner tiles can also be extruded by the use of accessory die plates fitted to the front of the nose cone. Ceramic literature frequently reminds operators of industrial equipment that extruding is an exact science fraught with trial and error. With these factors in mind we have designed the Gladstone tile extruder to be able to be finely tuned by the use of variable blades and a range of additional options etc, the only extruder that is manufactured this way.

Specification	G70 Tile extruder
Vacuum pump	High volume
Drive Motor	2.2Kw (3 Hp) reduction drive gearbox direct drive 230 single phase / 400v three phase
Out put	Approximately 500 Kg per hour With tile nose cone approximately 60/80 sq f per hour
Dimensions	1905 mm long x 690mm wide x 1050mm high Weight—270Kg
Construction	Cast Aluminium 200mm barrel with 100mm tile nose cone extrusion , Split body to facilitate easy cleaning
Optional extras	Variable speed / Stainless steel pack
Finish	Durable powder coated finish

G71 Tile cutting table

The G71 has been designed to compliment the G70 Tile extruder in the efficient production of extruded tiles. The tile cutting system comprises of an electrically welded box frame with a formica top. The table is fitted with a central rotary shaft secured either end by sealed roller bearings which are adjustable up and down to allow for different tile thicknesses. On this shaft there is mounted sixteen machined Phospur Bronze cutting discs. As the wareboard containing the extruded clay is pulled by the operating lever, underneath the centrl rotating shaft, the cutting discs cut thrrough the clay at the pre-set depth designaed by the operator.

Technical Data

Height 760mm x length 1910mm x width 610mm approximately. Weight 70 Kg approximately

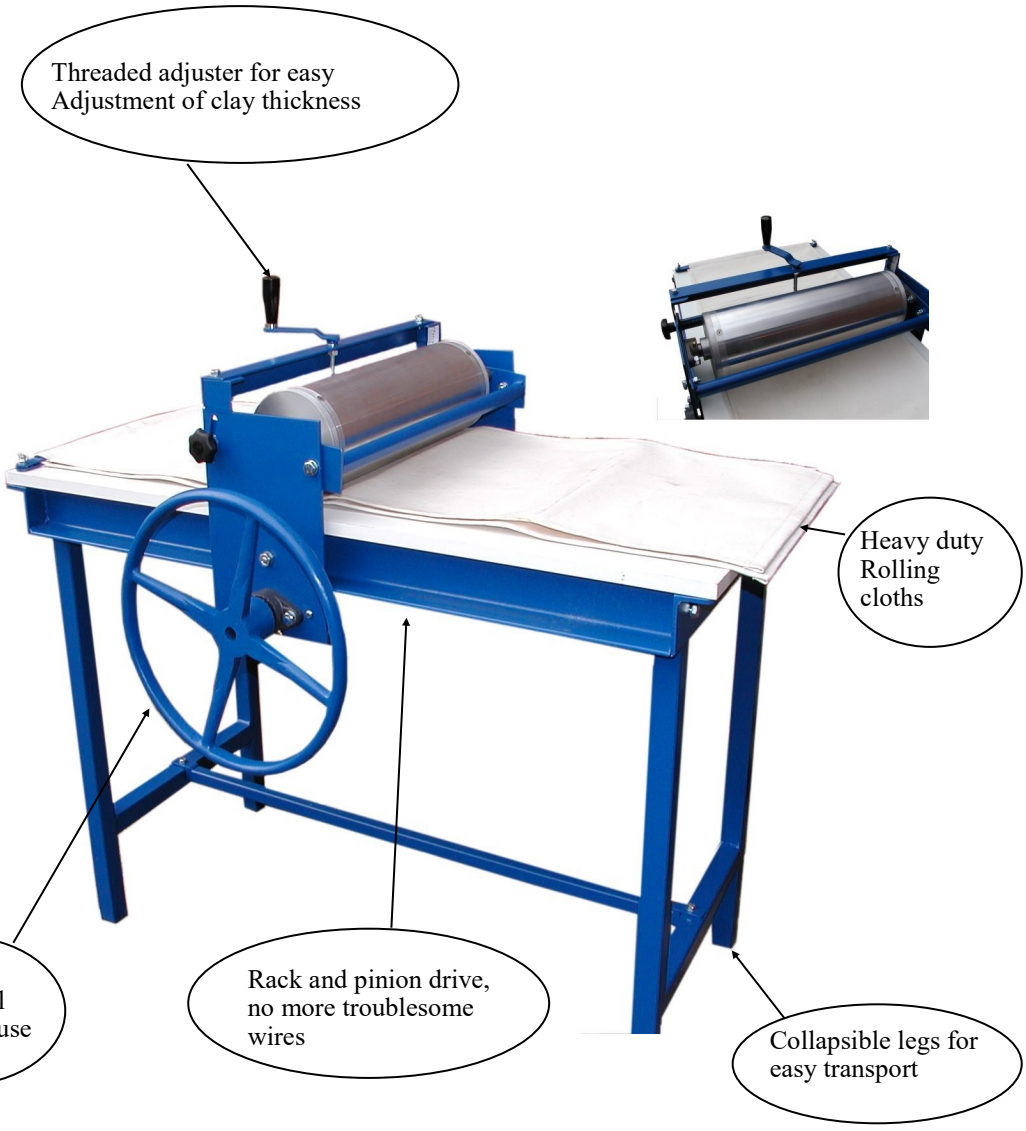
G72 Tile extruding table

Has been designed to compliment the G70 Tile extruder in the production process. The table consists of a rigid base on which a fully adjustable top is supported. The adjustment is to allow for the varying thickness of extrusions. On the base of the table there is a paper roll which is used to lay extrusion on so as to prevent the clay buckling as it is fed onto the table.

Technical Data

Height 600mm variable x width 510mm x length 1830mm approximately.

Clay Rollers



Clay rollers G601 , G602 , G603

CLAYROLLER G601, G602, G603.

The Gladstone Clayroller has been designed to provide an extremely efficient and reliable method of producing slabs of clay for hand building or producing tiles.

It has been designed using our vast experience in slabroller production and incorporates Gladstone's rack and pinion drive system eliminating the need of maintenance from troublesome wire driven systems, the design allows for infinitely variable thickness of clay to be rolled by means of adjustment of the main roller using a simple threaded adjuster that allows for fine accurate adjustment whilst keeping the equal distance above the table across its length.

The large single roller is made of a rust proof material to avoid corrosion or contamination of the clay.

The slabroller has fully collapsible legs so it can be easily transported and comes complete with a set of high quality rolling cloths , additional cloths can be purchased .

All dimensions are approximate , Clay slab sizes quoted are to give a indication of capacity as there are a lot of variables e.g. the amount of clay placed on the roller.

Specification	Slab rollers G601 / G602 / G603
Construction	Heavy duty fabricated steel frame Aluminium Main roller
Finish	Durable powder coated finish
Dimensions G601	920 long x 820 wide x 1090 mm high Weight 60 Kilos Clay Slab size 720mm x 470mm wide Max thickness 25mm
Bench mounted G601	920 long x 820 wide x 470 mm high Weight 50 Kilos Clay Slab size 720mm x 470 mm wide Max thickness 25mm
Dimensions G602	1220 long x 820 mm wide x 1090mm high Weight 70 kilos Clay slab size 1020 mm x 470 mm Max thickness 25mm
Dimensions G603	1220 long x 1070 mm wide x 1090mm high Weight 90 kilos Clay slab size 1020mm x 800mm Max thickness 25mm
Options extras	Additional rolling cloths

G604 powered Clay roller

The Gladstone motorised slab roller is a version of the successful 600 series , this model is fully automatic , the operator simply places the clay on the slab roller adjust to the required thickness closes the interlocked safety cage and then presses the cycle button . The slab roller will then make two passes over the clay and then come to a complete stop.

The advantages of this system are numerous the main ones being labour saving i.e. whilst the clay is being rolled it leaves you free to proceed with other duties around the class room or studio , extremely safe in operation , out standing results are produced from the combination of constant pressure at a set speed , ideal for the handicapped or physically impaired . The 604 is the ultimate in Slab rollers no more work related injuries from constant use of manual slab rollers .

The 604 use the same excellent standard of engineering as the 600 series the main roller is manufactured from corrosion resistant Alloy and has infinite adjustment between approximately 2 mm and 30 mm via a centrally mounted threaded adjusting handle , thus eliminating the need for packing boards .

Please note slab size can only be given as a approximation due to the different nature of types of Clay

Specification	G604 powered Clay roller
Speed control	Variable speed control with fully automatic control
Drive Motor	0.37Kw (0.5 Hp) reduction drive gearbox direct drive 230 single phase
safety	Fully enclosed and electrically interlocked safety cage
Dimensions	1220 mm long x 950 mm wide x 1200 mm high weight 90 kilos
Slab size	1020 mm x 470 mm Max thickness 25 mm
Construction	Fabricated steel frame with Aluminium roller
Finish	Durable powder coated finish

Spraybooths

Air velocity recommended 250 ft per min

Easy clean polypropylene hoods

In

All internal fittings are stainless steel

Stainless steel pumps

Integrated water tank

Please note—Spray booths are only designed for use with water based materials

G 160 Spray booth

The G160 spraybooth has been designed for use in the classroom or small pottery workshop.
The booth is fitted with a 12" electric extractor fan which produces an air velocity of 250cf at the face. A washable heavy duty washable filter and ducting spigot is fitted as standard .

The G160 is only designed to be used with water based materials

Please note these spraybooths are designed to be ducted to atmosphere through ducting that meets your local government requirements. Please take into account these requirements when ordering this
product. If you have an queries please do not hesitate to contact our technical department who will be only to pleased to advise you.

Specification	G160 Spray booth
Fan	0.1 Kw single phase 230 volts 50 Hz
Dimensions	890 mm depth x 610 mm wide x1510mm high weight 25 Kgs
Finish	Durable powder coated
Filter	Removable washable aluminium mesh

G 165 Wetback Spray booth

The Gladstone spraybooth has been designed to meet the ever increasing need to protect our environment. The water Wash spraybooth works on the principle of a curtain of continuous recycling water running down the rear face of the spraybooth, a glaze spray is aimed towards this curtain, the spray being guided by a powerful extraction fan, the glaze is trapped by the water curtain, whilst the air stream is pulled through the booth and into a washable stainless steel pre filter and finally into a washable filter bag. The excess glaze is washed into the tank and can at a later date be reclaimed depending on the type and colour of the glaze. There is a ball valve to allow the water to be drained and the contents of the tank removed. Any glaze materials can also be removed and disposed of safely. The booth is mounted on four castor wheels. The G165 is primarily designed to be used by the studio potter and educational faculties for low volume production, therefore the booth does not need ducting to atmosphere making it portable around the studio environment.

Specification	G165 Spray booth
Fan	Inline centrifugal
Pump unit	Stainless steel self priming
Power supply	230 volts single phase
Construction	Fabricated steel stand with Polypropylene hood and stainless steel internal wetted parts
Finish	Frame durable powder coated
Dimensions	1655mm high x 800 mm wide x 1290 mm depth weight 130 Kgs
Hood internal dimensions	638mm high x 625 mm wide x 420 mm deep , working depth 350 mm

Both the G165 / G164 and G166 Water Wash Spraybooths use a sophisticated baffle system to prevent water take through into the filter bag, they are designed to be used with water based material only.
If the Spraybooths are to be used in a production environment it may be necessary to duct the Spraybooths to atmosphere, please contact our technical department if you require further advice.

G 164 Wetback Spray booth

The Gladstone spraybooth has been designed to meet the ever increasing need to protect our environment. The water Wash spraybooth works on the principle of a curtain of continuous recycling water running down the rear face of the spraybooth, a glaze spray is aimed towards this curtain, the spray being guided by a powerful extraction fan, the glaze is trapped by the water curtain, whilst the air stream is pulled through the booth and into a washable stainless steel pre filter and finally into a washable filter bag. The excess glaze is washed into the tank and can at a later date be reclaimed depending on the type and colour of the glaze. There is a ball valve to allow the water to be drained and the contents of the tank removed. Any glaze materials can also be removed and disposed of safely. The booth is mounted on four castor wheels. The G164 is the sister to the G165 and has all the standard features of the G165 but has a larger tapered opening to accommodate larger ware .

The G165 / G164 and G166

Specification	G164 Spray booth
Fan	Inline centrifugal
Pump unit	Self priming Immersion sump pump
Power supply	230 volts single phase
Construction	Fabricated steel stand with Polypropylene hood and stainless steel internal wetted parts
Finish	Frame durable powder coated
Dimensions	1850 mm high x 800 mm wide x 1290 mm depth weight 160Kgs
Hood internal dimensions	950mm high x 750mm wide x 420 mm deep , working depth 350 mm

Water Wash

Spraybooths use a sophisticated baffle system to prevent water take through into the filter bag, they are designed to be used with water based materials .
If the Spraybooths are to be used in a production environment it may be necessary to duct the Spraybooths to atmosphere, please contact our technical department if you require further advice.

G 166 Wetback Spray booth

The Gladstone G166 is a larger version of our popular G165 model. The Gladstone spraybooth has been designed to meet the ever increasing need to protect our environment. The water Wash spraybooth works on the principle of a curtain of continuous recycling water running down the rear face of the spraybooth, a glaze spray is aimed towards this curtain, the spray being guided by a powerful extraction fan, the glaze is trapped by the water curtain, whilst the air stream is pulled through the booth and into a washable stainless steel pre filter and finally into a washable filter bag. The excess glaze is washed into the tank and can at a later date be reclaimed depending on the type and colour of the glaze. There is a ball valve to allow the water to be drained and the contents of the tank removed. Any glaze materials can also be removed and disposed of safely. The booth is mounted on four castor wheels. The G166 is primarily designed to be used by the studio potter and educational faculties for low volume production, therefore the booth does not need ducting to atmosphere making it ideal for the studio environment.This unit has a hood internal size of 1 metre x 1 metre and is equiped with a separate water tank that can be detached to aid cleaning.

Please note under heavy use we advise that the booth is extracted to atmosphere.

Noise Levels approximately 85 dba

Specification	G166 Spray booth
Fan	Inline centrifugal
Pump unit	Self priming Immersion sump pump
Power supply	230 volts single phase
Construction	Fabricated steel stand with Polypropylene hood and stainless steel internal wetted parts
Finish	Frame durable powder coated
Dimensions	1680mm high x 1200 mm wide x 1585 mm depth weight 180Kgs
Hood internal dimensions	950mm high x 950mm wide x 585 mm deep , working depth 500 mm

Both the G165 / G164 and G166 Water Wash Spraybooths use a sophisticated baffle system to prevent water take through into the filter bag, they are designed to be used with water based material .
If the Spraybooths are to be used in a production environment it may be necessary to duct the Spraybooths to atmosphere, please contact our technical department if you require further advice.

G 147 Compressor and Spraygun

Please note photographs are for illustration only model supplied may vary.

Specification	G147 Spray gun and compressor
Compressor	Direct drive 3Hp approximately 14cfm
Power supply	230 volts single phase fitted 13amp plug
Spray gun	Gravity fed complete with hose and fittings for connection to compressor
Dimensions	870mm long x 350mm wide x 710mm high

Gladstone engineering supply a range of equipment for our Spray booths these include the G147 compressor and spray gun. The G147 is a gravity fed spray gun complete with fittings and hose matched to a powerful compressor that runs off a standard 13 amp plug in supply . The compressor has been specified to match the demands of the spray gun so as to provide the operator with the correct combination so to enable the operator to obtain a high quality finish.

Slip Preparation & Casting equipment

G83 Slip pump

Slip Pump G83

The Gladstone Slip Pump has been designed as a highly versatile method of slip casting both for studio and hobby ceramics. The pump uses a rotary vaned design capable of giving a good even flow. The pump also has an agitating effect on the slip keeping the slip in a usable condition for short periods of time and can also drain moulds by the use of a syphoning action. The slip pump is supplied with two metres of hose and a specifically designed professional slip gun .

Specification	G83
Drive Motor	0.37kw single phase 230volts
Capacity	10 gallons / 45 litres
Dimensions	300mm wide x 310mm depth x 800mm high Weight—20 Kg
Construction	Cast Aluminium motor frame with Aluminium pump unit
Finish	Durable powder coated finish

G83A Mini casting system

Mini Casting Tank

The G83A has been designed as a self contained casting system it uses the same design and construction as the G83 but has been mounted in a fibre glass tank with removable wooden casting rails , this allows the operator to cast plaster moulds and then drain them back into the casting tank . The G83A is ideal where space is at a premium or for the hobby potter or educational use .

Specification	G83A
Drive Motor	0.37kw single phase 230volts
Capacity	15 gallons / 66 litres
Dimensions	530mm wide x 1040mm long x 1100 mm high Weight—28 Kg
Construction	Cast Aluminium motor frame with Aluminium pump unit , Fibre glass tank
Finish	Durable powder coated finish

G82 / G84 Blungers

G82 Blunger / G84 Blunger
Blunging is the process by which raw lump, powdered or plastic clay when mixed with water is reduced to slip for casting or decoration. The GLADSTONE electrically driven blunger has been specially designed for this purpose. The GLADSTONE blunger utilises two stainless steel paddles which rotate at approximately 150 rpm on a stainless steel drive shaft which is driven by a motor through a reduction gearbox. The hexagonal container is made from fibreglass and is fitted with an extended loading chute to avoid contact with the blades. The slip is run off through a valve at the base of the container. A stand can be supplied as an optional extra.

Specification	G84
Drive Motor	0.37kw single phase 230volts
Capacity	15 gallons / 67 litres
Dimensions	700mm wide x 700mm depth x 850mm high Weight—41 Kg
Construction	Fabricated steel mounting plate with Fibre glass tank , All internal parts are stainless steel
Finish	Durable powder coated external finish
Specification	G82
Drive Motor	0.75 kw single phase 230volts
Capacity	25 gallons / 112 litres
Dimensions	800mm wide x 1000mm depth x 1150mm high Weight—60 Kg
Construction	Fabricated steel mounting plate with Fibre glass tank , All internal parts are stainless steel
Finish	Durable powder coated external finish

G87 Storage Arcs

Gladstone engineering produce a range of storage arcs for ceramic slip of varying capacities from 50 gallons to 150 gallons . Each unit is manufactured to a high standard and these units are ideal for small industrial use and also in colleges and Universities. The standard construction consist of a Polypropylene reinforced tank which is fitted with a sealed geared drive unit that drives a stainless steel gate paddle that has been specifically designed to maintain slip in suspension with out introducing air into the slip . All internal wetted parts are made of a non corrosive material so ensuring no contamination is introduced into the material being stored . All of Gladstone's storage arcs can be fitted with inline vibratory sieves and magnetic separators as optional extras .

Specification	G87 storage Arcs
Drive Motor	0.37kw - 1.5 kw single phase 230 volts / three phase 400 volts
Capacity	From 15 gallons up to 150 gallons
Dimensions	Dependant on size required please enquire
Construction	Fabricated steel mounting plate with Polypropylene tank , All internal parts are stainless steel
Finish	Durable powder coated external finish
Outlet	38 mm ABS ball valve or flanged out put on request
Optional extras	Vibratory sieves , inline magnetic separators

G153 Pilot plant

Gladstone manufacture a self contained Pilot Plant which is ideally suited for the small studio and college environment. It can be connected to a slip casting system or a filter press for the production of clay. The unit is completely self contained and only require one power supply .

The pilot plant is supplied in two standard sizes, 45 gallon capacity and 75 gallon capacity. The standard equipment consists of a G84 or G82 Blunger, these have fibreglass tanks with stainless steel paddles driven by a motor and reduction gearbox via a stainless steel shaft. The loading chute is made from polypropylene and all wetted parts are manufactured from non corrosive
materials. The blunger feeds a polypropylene storage arc via a vibratory sifter, magnetic separators which can be fitted as an optional extra if required.
The storage arc is fitted with a stainless steel gate paddle which is driven by a slow speed motor and reduction gearbox and comes complete with interlocked guard.
As standard the Pilot Plant is fitted with a double diaphragm air pump which is suited to the slip casting process for a small studio.

If the Pilot Plant is to be used for larger capacities or for a filter press then the pump will have to be sized to the customer specific requirements at an additional cost.

Optional compressor shown

Pilot Plant	45 75 Gallon
Blunger	15 / 25 gallon capacity Fibreglass tank Drive 0.37 kW / 0.75 kW motor and reduction gearbox
Storage Arc	45 / 75 gallon capacity Polypropylene tank Drive 0.37 kW motor and reduction gearbox
Vibratory Sifter	8” diameter fitted with 40s mesh sieve
Air Pump	0.5” double diaphragm air operated power supply 220—240 v 50 Hz 380—415 v 50 Hz

Approximate Dimensions 1700mm long x 1120 mm wide x 1860mm high, weight 200 / 225 approximately
Optional Extras - Air compressor to customers requirements, Rare earth magnetic separators.

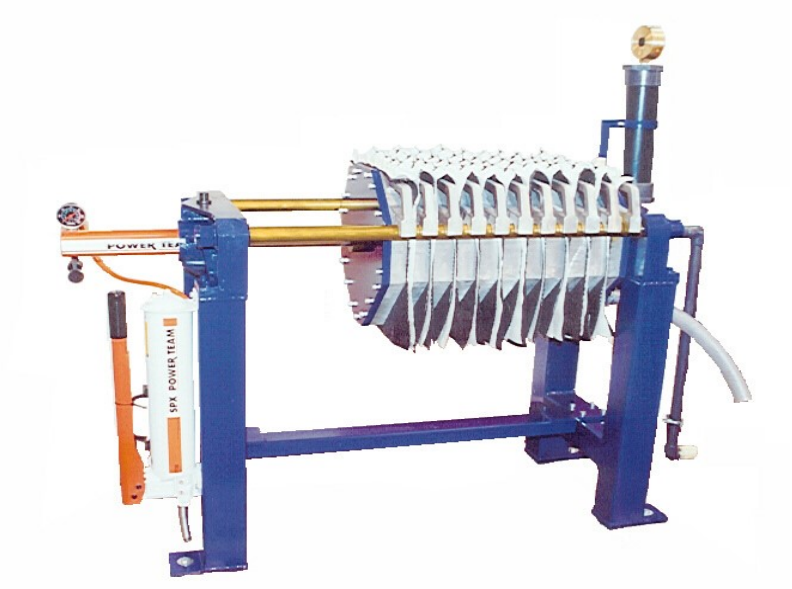
G154 Slip casting Bench

Gladstone produce a range of slip casting benches which are ideally suited for use in the busy studio and industrial environment.
The benches consist of a fabricated steel box section frame with a poly propylene drainage tray which collects all the waste slip, this is directed to a 2” waste outlet at the end of the bench. The benches are fitted with removable wooden mould racks, which are made in 1 metre lengths to facilitate easy cleaning.

Standard Sizes
800mm wide x 1 metre long x 850 mm high
800mm wide x 2 metre long x 850 mm high
800mm wide x 3 metre long x 850 mm high

Benches can be produced to customers individual requirements.

G150 Filter Press



FILTER PRESS

This press is ideal for the small Pottery, College or University. The frame is constructed from cast iron and steel, whilst the plates are constructed from LM6 aluminium alloy, which avoids the problem of rusting and contamination.

The 10 chamber octagonal plates will produce 75 kilos of pressed clay in a 2-3 hour pressing cycle. The integral drainage allows the underside of the press to be kept clear, thus allowing a small trolley or pallet to go underneath to collect the cakes.

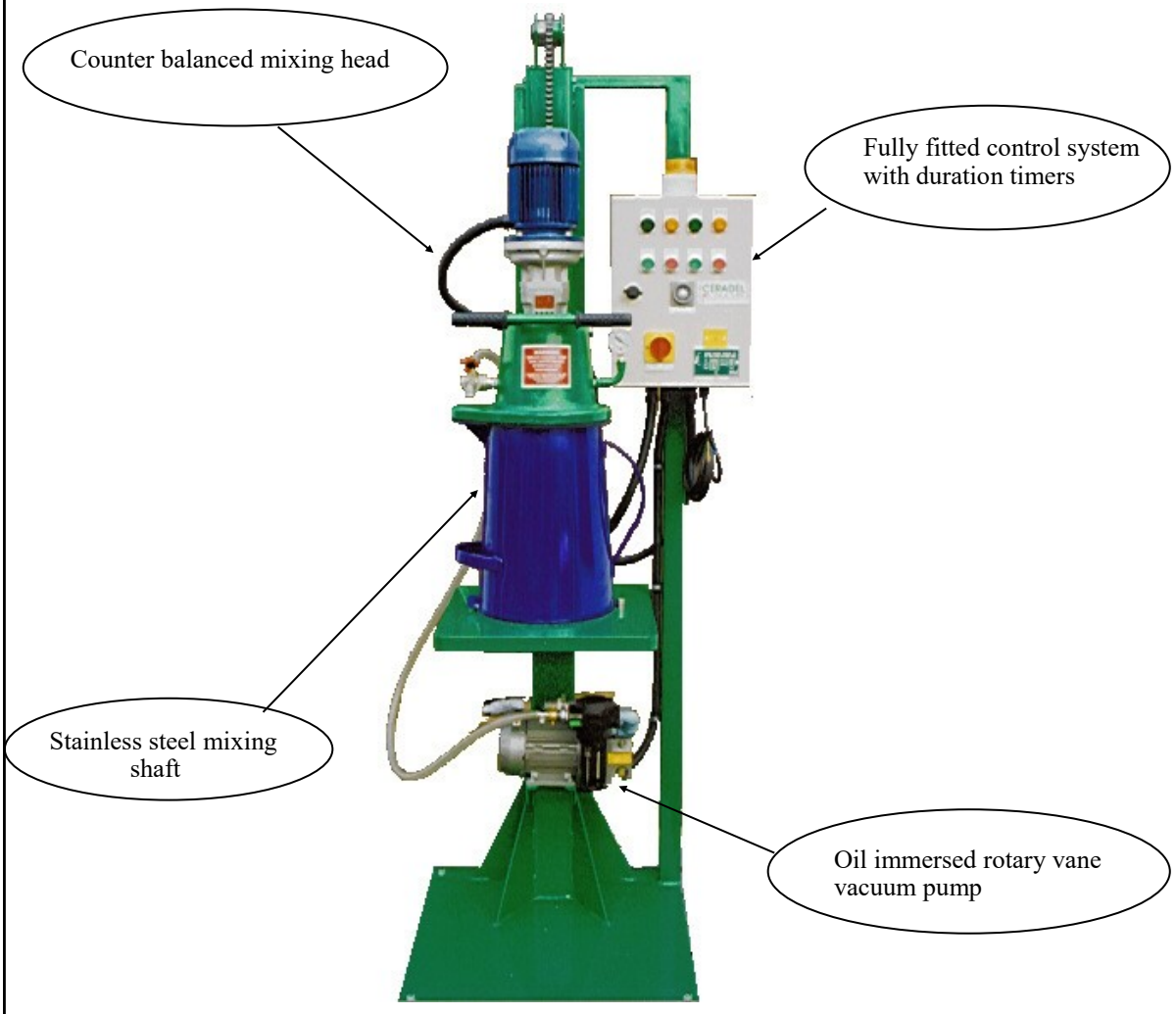
Again with the integral drainage, pipe work can be kept to one end, thus making a neat compact unit. Blungers, pumps etc. can be supplied with the press to customers requirements.

Specification	G150 Filter press
Closing	Hydraulic manually operated
Capacity	75 Kilos capacity can be increased by adding additional plates
Dimensions	Dependant on size required please enquire
Construction	Fabricated steel
Finish	Durable powder coated external finish
Outlet	38 mm ABS
Optional extras	Please enquire

Plaster Blenders

&

Mould making equipment



G85 Vacuum Plaster Blender

The Vacuum Plaster Blender has been developed to remove the air from the plaster during the mixing process. This will enhance the quality and durability of the mould without loss of water absorbtion. The machine consists of a free standing mixing unit and platform. The mixing head is counter balanced so as to facilitate ease of use. A 3 gallon polypropylene jug is provided which is specifically designed to form a seal with the mixing head itself. The Blender comes complete with a High Capacity Vacuum Pump and all associated electrical switchgear.

Specification	G85 Vacuum Plaster Blender
Drive Motor	0.37kw single phase 230volts Vacuum pump 0.37Kw single phase 230 volts
Capacity	3 gallons / 18 litres optional 5 Gallon/ 22.5 litres
Dimensions	650mm wide x 720mm depth x 1900mm high Weight—140 Kg
Construction	Electrically welded steel frame Stainless steel shaft and mixing blade
Finish	Durable powder coated finish

Optional extras— PLC control system with programmable speed and time duration

G86 Plaster Blender

PLASTER BLENDER

The Plaster Blender has been designed to mix plaster quicker and more efficiently than by hand and produces plaster which is more consistent, resulting in better mould life expectancy.
The machine consists of a free standing mixing unit and platform. The mixing head is driven by a 0.37kW inline motor and gear unit which is raised or lowered by means of a counter balanced guide platform.
Each blender is supplied with all switchgear and a timer unit allowing the blender to automatically switch off after a pre determined mixing period.

Optional extras—Blending jugs , visual indicators for time duration .

Specification	G86 Plaster Blender
Drive Motor	0.37kw single phase 230volts
Capacity	3 gallons / 18 litres optional 5 Gallon/ 22.5 litres
Dimensions	650mm wide x 720mm depth x 1800mm high Weight—120 Kg
Construction	Electrically welded steel frame Stainless steel shaft and mixing blade
Finish	Durable powder coated finish

G152 Reversible plaster turning Lathe

REVERSIBLE TURNING LATHE G152

The Gladstone Potters Lathe is another addition to our range of professional equipment, it is built to give a long trouble free life with little maintenance required. The machines construction consists of 6mm steel base, at each end there are two aluminium plates in which the bearings are mounted. The shaft is 35 mm diameter with a I' Whitworth thread. The motor is a 1/2 Hp AC which transfers its drive to the shaft via a V belt and pulley. The speed is controlled by a AC electronic speed controller which has a reversing facility on it and the speed is varied by a hand operated knob, a foot operation is available as an optional extra.
The machine is totally enclosed for protection and comes complete with an adjustable tool rest and its own base to which the tool rest is fixed.

Specification	G152 Reversible Plaster turning lathe
Drive Motor	0.37kw single phase 230volts variable speed control
Speed range	3—380 rpm
Dimensions	Length 1220mm x width 470mm x 410mm high Weight—90 Kg
Construction	Electrically welded steel frame Aluminium bearing plates
Finish	Durable powder coated finish

Optional Extras Foot operated controller
Tapered steel spindles 150 mm, 230 mm, 300 mm, and 380 mm long
Aluminium face plates 150 mm, 200 mm and 250 mm dia Aluminium cup heads To order

G155 Modeling bench / G156 HD

MODELING BENCH

The GLADSTONE Modeling Bench has been designed for the professional and education use and is a purpose made for turning of plaster in the mould making process .
The G155 is constructed from a steel fabricated frame providing a sturdy solid base it has a 0.37Kw motor with a sophisticated AC variable drive system which gives a wide speed range 0-250rpm with excellent high torque characteristics which is ideal for the turning of Plaster or Clay .

The G156 HD is a up rated version of the G155 and is fitted with a larger motor and drive system and heavy duty bearings .

Available options

Aluminium Wheel heads
Foot operated speed control
Shaving guard
Adjustable tool rest

G156 HD shown with options

Specification	G155 Modelling Bench	G156 HD modelling Bench
Drive Motor	0.37 Kw variable AC speed drive	0.75 Kw variable AC speed drive
Speed range	0—250 RPM	0– 250 RPM
Construction	Fabricated steel frame powder coated finish	Fabricated steel frame powder coated finish
Dimensions	Width 600mm x depth 750mm x Height 900mm	Width 760mm x depth 760mm x Height 900mm
Weight	90 Kilos	140 Kilos

Glaze preparation equipment

G 80 Glaze mixer

This rapid glaze mixer is ideal for quick uniform mixing of glazes. The totally enclosed single phase motor drives an aluminium impeller, which ensures rapid mixing with minimum splashing.For best results pour the necessary amount of water into the tub and progressively add the material to be mixed whilst the machine is in operation. A bucket is supplied with the mixer.
The G80 is fitted with a integral on/off switch and fully complies to all CE requirements .

Specification	G80 Glaze mixer
Drive Motor	0.24 Kw fully enclosed IP 55 motor with integrated on / off switch
Speed range	1400 RPM
Dimensions	Length 355mm x width 355mm x 610mm high Weight—14 Kg
Construction	Aluminium Frame with Aluminium shaft and high speed impellor
Finish	Durable powder coated finish

G 135 Vibratory sifter

An electrically operated screen for slip or glaze. Fitted with 8" (204mm) diameter mesh. Three sizes of mesh are available 60, 80 or 100 mesh.
Mounted on a strong plastic container or it can be fitted under a blunger run off tap .

Specification	G 135 Vibratory sifter
Drive Motor	100 watt fully enclosed motor with integrated on / off switch
Speed range	1400 RPM
Dimensions	Length 458mm x width 365mm x 480mm high Weight—9 Kg
Construction	Aluminium Frame and base unit with plastic collection bucket
Finish	Durable powder coated finish

G 136 Vibratory sifter

A professional vibratory sifter for Laboratory use , can be fitted with numerous options of sieves including stainless steel and plastic , this unit incorporates variable speed to control the amount and cycle of the vibration and also has a run out timer fitted to allow pre set cycle times .

Optional stainless steel unit shown

Specification	G 136 Vibratory sifter
Drive Motor	200 watt fully enclosed motor with integrated on / off switch
Speed range	1400 RPM
Dimensions	Length 1220mm x width 470mm x 410mm high Weight—90 Kg
Construction	Mild steel frame with free standing legs
Finish	Durable powder coated finish / Stainless steel option available

G90 & G91 Jar Mills

The Gladstone Jar Mills are used to grind ceramic materials in porcelain jars of varying capacity.They are constructed from fabricated mild steel and finished in a durable high gloss powder coating finish.

There are two sizes available the G90 which is designed to carry up to one single gallon jar (4.5 litres) and the G91 that can carry up to two single gallon jars . The jar mills have adjustable rollers so they can also accommodate multiples of smaller diameter jars .

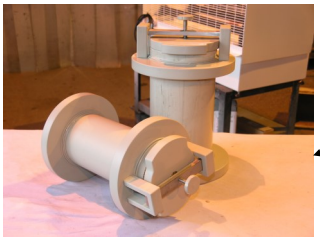
Specification	G90 Jar mill / G94 with interlocked guard
Drive Motor	0..33 Hp 220volts single phase with thermal over load
Capacity	One 4.5 litre Jar
Dimensions	Length 600mm x width 510mm x 540mm high Weight—50 Kg
Construction	Mild steel frame , self aligning sealed for life bearings
Finish	Durable powder coated finish

Specification	G91 Jar mill / G95 with interlocked guard
Drive Motor	0.5 Hp 220volts single phase with thermal over load
Capacity	Two 4.5 litre Jar
Dimensions	Length 1020mm x width 510mm x 540mm high Weight—70 Kg
Construction	Mild steel frame , self aligning sealed for life bearings
Finish	Durable powder coated finish

Range of options for Jar mills

Variable speed drive
Run out Timers

Fully interlocked safety guards



Range of Jars in Plastic , ceramic
Or Stainless steel

G93 Ball Mills

Ball mills are used in the grinding and processing of numerous materials including glazes , they are also used in the minimum construction and chemical industries . We supply numerous designs built to customers requirements and can be fitted with various lining including Alumina brick Rubber Polyurethane etc .

Typical specification

Fabricated steel drum with Alumina brick lining suspended on steel A frames. Driven by a 2.2 kW , 3 phase motor through a shaft mounted reduction gearbox. The Ballmill is supplied complete with loading and discharge port with strainer and safety pressure valve. This machine is a example of the type available we will build and commission to customers individual requirements

Options available -
Variable speed drives
Interlocked safety enclosures
Water cooled Jackets

Specification	G93 Ball Mill
Drive Motor	2.2 Kw 400v 3 phase
Speed range	Variable
Capacity	50 Kilos material
Dimensions	Length 1500mm x width 700mm x 1300mm high Weight—300 Kg
Construction	Mild steel frame and mill linned with Alumina Brick
Finish	Durable powder coated finish

G96 Ball Mills

Gladstone produce a wide range of multiple tier mills, all are capable of using a wide combination of jars.
All are fitted with adjustable idler 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.
The rollers are manufactured from stainless steel and can be covered in Rubber that is precision ground or other materials according to customer requirements .

Specification	G96 Ball Mill
Drive Motor	Multiple reduction drive units
Speed range	Variable
Capacity	To customer specifications
Dimensions	Length 1700mm x width 900mm x 1600mm high Weight—300 Kg (Typical three tier)
Construction	Mild steel frame (optional stainless steel frames available)
Finish	Durable powder coated finish

This machine is a example of the type available we will build and commission to customers individual requirements , we produce Jar mills to meet ATEX standards and also supply into the Bio medical and Chemical industries .

Studio Furniture

Damp Cabinets

Gladstone produce a range of Damp cabinets in varying sizes that are specifically designed for the safe storage of green ware . The basic construction consist of zinc coated sheet steel which is powder coated , each damp cabinet is fitted with neoprene door seals and a lockable door handle . The Damp cabinets are supplied as standard with four removable shelves which can be positioned at variable heights .

	Height	Width	Depth	Weight
G101	1270mm	1220mm	635mm	80Kg
G101A	1270mm	915mm	635mm	73Kg
G101B	1830mm	1220mm	635mm	110Kg
G101C	1830mm	915mm	635mm	100Kg

Drying Cabinets

The G103 Drying Cabinet has been specifically designed to aid the drying of plaster moulds and clay ware. The unit consists of a fabricated zinc coated steel cabinet with two vertical hinged front opening doors which give unrestricted access to the four removable open mesh shelves , each shelf can be positioned at different heights to allow for varying heights of moulds or ware .
The heater unit is a 1 kilowatt ceramic heating element which has a variable power setting to control the amount of heat introduced into the cabinet .
A 2 Kw double drying cabinet is also available this is the same design but offers a greater capacity .

Specification	G103 Drying Cabinet
Heating unit	1Kw ceramic heater 230 volts single phase , variable temperature control
Dimensions	Depth 600mm x width 1220mm x 1220mm high Weight—70Kg
Construction	Mild steel zinc coated
Finish	Durable powder coated finish

Specification	G102 Drying Cabinet
Heating unit	2 Kw ceramic heater 230 volts single phase , variable temperature control
Dimensions	Depth 600mm x width 1800mm x 1220mm high Weight—90Kg
Construction	Mild steel zinc coated
Finish	Durable powder coated finish

G140 Work Bench

Gladstone produce a range of Benches which are specifically designed for today's modern environment in the classroom or studio . The benches are made from sustainable environmentally friendly materials and are of a extremely robust design to with stand years of use .
The Benches are finished to a very high standard with attention to detail being paramount to ensure long life and ease of use . The G140 work bench is ideal for any art studio or classroom environment .

Specification	G140 Work bench
Dimensions	1200mm long x 860mm wide x 760mm high Weight—50Kg
Construction	Soft wood frame / 20 mm Formica top
Finish	Polished lacquer to soft wood frame

G141 Wedging Bench

A Professional wedging bench which incorporates the same high quality wooden frame as our work benches but then has a compressed concrete top fitted which is ideal for wedging Clay . The concrete top is in two individual sections and can be easily removed to allow for transportation and positioning of the bench in the studio .

Specification	G141Wedging bench
Dimensions	1260mm long x 660mm wide x 760 mm high Weight—90Kg
Construction	Soft wood frame / Pressed concrete top
Finish	Polished lacquer to soft wood frame

G146 Glaze Formulating Table

The glaze formulating tables are a excellent addition to any busy studio or classroom . They are made from fabricated mild steel finished in a powder coating and are complete with a stainless steel work top and aluminium pull out bins for storage of glaze powder .

Specification	G146 Glaze formulating bins
Dimensions	1250mm long x 500mm wide x 900mm high
Construction	Fabricated steel frame , stainless steel top ,aluminium storage bins .
Finish	Powder coated finish

G143 Ware stillage trolly

Gladstone manufacture a purpose made ware truck for the movement of items around the workshop , studio or class room . The truck can take up to eight standard ware boards and is supplied complete with polyurethane coated swivel castor wheels.

Space between shelving 250 mm bottom shelf 300 mm upper shelves

Specification	G143 Ware stillage trolley
Dimensions	1210mm long x 545mm wide x 1450mm high
Construction	Fabricated steel frame
Finish	Powder coated finish

G142 Clay storage bin

A Robustly designed clay storage bin that can hold up to 250 Kg of clay . The bin is finished in a tough white powder coated finish and is supplied with a lid handle and a padlock fitting so a padlock could be fitted to keep the storage bin secure if required .

Specification	G142 clay storage bin
Dimensions	Depth 535mm x width 1168mm x 753mm high Weight—25Kg
Construction	Mild steel zinc coated
Finish	Durable powder coated finish

G145 Clay Trap

With a 20 litre capacity the clay trap incorporates inlet, and outlet connections at opposite ends, which accept 38mm FI BSP connectors.
The outlet connection has a 76mm liquid seal and the lid, which has a sealing ring, is retained in position with fourteen wing nuts.

This unit is essential in any class room environment as it prevents the waste units becoming blocked up with students emptying clay contaminated waste water in to the sink units.
The unit is easily fitted under the sink and connects on to the waste system a very simple but effective device .

Specification	G915 Clay Trap
Dimensions	Depth 400mm x width 552mm x 270mm high Weight—25Kg
Construction	Polyurethane base with wood top
Inlet and outlet fittings	38mm FI BSP

G13 Banding wheel

This decorators wheel was originally designed for professional use and incorporates many features that enable it to be used easily and comfortably .
It is free running and the design ensures that the wheel head runs concentric. The wheel head is made in aluminium and is faced with a non slip cork with the sides lined with a PVC material .
The wheel runs on a 25mm diameter steel spindle which is adjustable in height from 660mm to 925mm . The banding wheel is ideal for a wide range of decorating applications including lining or banding.

Specifications

Diameter of wheel head	230mm
Weight	10 kilos
Width	400mm
Height adjustable	660mm—925mm

Whirlers

Decorating Whirlers

Gladstone make a wide variety of decorating whirlers suitable for numerous applications using top quality materials and finishes .The whirlers are made from high quality Steel and Aluminium depending on model and they all incorporate stainless steel roller bearings and oil impregnated bushes which require very little maintenance.

The whirlers are finished in a smooth powder coating/ paint finish and are produced in standard sizes and can also be made to customer requirements .

G1 ALUMINIUM 8” DIA X 3” HIGH

G2 ALUMINIUM 8” DIA X 6” HIGH

G3 ALUMINIUM 10” DIA X 6” HIGH

G4 ALUMINIUM 10” DIA X 4” HIGH

G5 ALUMINIUM 12” DIA X 4” HIGH

G6 ALUMINIUM 12” DIA X 6” HIGH

G7 SEEL 10” DIA X 4” HIGH

G8 STEEL 12” DIA X 4” HIGH

G9 STEEL 12” DIA X 4” HIGH (Heavy)

Makeing Equipment

G122 Jigger and Jolly

The G122 jigger and jolley machine was specifically designed to be completely adaptable so that it can be used for educational and rehabilitation purposes . The G122 was designed from the G120E but adapted to allow for the operator to be seated , in a wheel chair or in the standing position . The G122 is fully adjustable in height to accommodate the various operating positions by means of a crank handle at the back of the machine and is also fitted with gas assisted struts to assist adjustment . The G122 is fully mobile and will fit through a standard door way .
The construction is of a very sturdy steel fabricated design , the splash tray is fitted with a fold down front to allow access to the plaster mould if the operator is in the seated position . The G122 is powered by a vary quiet and powerful motor and gear box which has variable speed control from 0—400 rpm , the operators control box is adjustable for position and all the switch gear has been designed to be operated in the standing or seated position .Note picture shows optional cup head . All cup heads etc are available at extra cost.

Technical specification
speed control

Specification	G122 Jigger & Jolly
Drive Motor	1 Hp 220volts single phase variable speed
Weight	140 Kilos
Dimensions	Length 720mm x width 820mm x height variable
Construction	Mild steel frame , self aligning sealed for life bearings ,Cast Alloy jolly Arm
Finish	Durable powder coated finish

The GLADSTONE Jigger and Jolley machine is the ideal machine for the professional potter who wishes to bridge the gap between hand thrown ware and mass produced ware. The machine has a rigid steel frame and is fully enclosed.The G120 Electronic is fitted with a sophisticated drive system allowing the unit to have infinitely variable speeds between 0-400 rpm this feature being particularly useful for flatware production . The cast alloy jolley arm is of a very substantial in construction and is extremely versatile as it raises and lowers to allow for different heights of moulds. The machine is operated by pushing the leg operated pad which will start the jigger machine and stop when the pad is released leaving both hands free .

TECHNICAL DATA
The G120 Electronic

Specification	G120E Jigger & Jolly
Drive Motor	1 Hp 220volts single phase variable speed
Weight	140 Kilos
Dimensions	Length 990mm x width 600mm x height 1440
Construction	Mild steel frame , self aligning sealed for life bearings ,Cast Alloy jolly Arm
Finish	Durable powder coated finish

Please Note: These machines are our standard units, Jigger and jolley's can be tailor made to suit customers individual requirements, please enquire. Note picture shows optional cup head . All cup heads etc are available at extra cost.

A full range of tooling is available for the G120 including Rings and backs and Forming tools .

We can also offer a dedicated design and plaster mould manufacture to complement customers specific requirements from initial drawings through modelling and final production Plaster moulds for the G120 .

A range of mould making equipment is available and we also make to customers requirements .

Mould making design service .

G151

GLADSTONE FOOT WIPING MACHINE

The Gladstone Foot Wiper is a self contained unit and is fitted as standard with a sponge rubber belt. This belt passes through a water trough and the water content of the belt is controlled by an adjustable pressure roller.The Gladstone foot wiping machine has been designed to overcome the problem that most foot wipers on the market have and that is the ease of changing the rubber belts. To change the sponge rubber belt on the Gladstone foot wiper takes approximately 10 minutes or less, the whole unit is hinged on its base to allow easy access to the water tank for replenishment and cleaning of the water Supply. The foot wiper can be bench mounted or if desired fitted to a fabricated steel stand to which four swivel castors for easy removal to different work benches.

TECHNICAL DATA
Overall Size Height 300 mm x Width 700 mm x Length 560 mm approx. Weight 55 Kg
Motor 0.5Hp Single or Three Phase, Water Tank 465 mm x 425 mm x 120 mm high approx.
Stand Height 660 mm approx. Weight 8KG

G64

Wall Extruder

The G64 Wall extruder is a indispensable useful tool for the studio or class room , it is very robust and compact extruder. It has been designed to give trouble free use with the least amount of maintenance. The extruder was made primarily to extrude small solid sections e.g. cup handles or for coils pot making but can be used to extrude hollow sections with the addition of extra dies. The handle can be easily removed for safe storage when not in use.
The extruder consists of a main aluminium body which houses a series of hooks on which the
handle is placed upon in which to operate the plunger. The barrel itself is 3” diameter alloy tubing to which a die holder is attached by means of quick release clips for easy die changing. The wall extruder comes complete with all fixtures to mount it to a suitable wall and a blank die plate .

Technical Data
Overall size Width 140mm x Length 155mm Height x 530mm approximately
Length 720mm approximately with handle extended, Weight 5.75Kg approx
Construction;- Aluminium body and barrel, steel handle, aluminium plunger, die holder and blank die.

Optional Extras;- set of three hollow dies,
(round, hexagonal and square)

Conditions of Sale

Note

If the Purchaser is dealing as a consumer as defined in the Unfair Contract Terms Act 1977 (or any amendment or re-enactment of that act). Condition number 10 shall only apply to the extent permitted by the act. Nothing in these conditions will deprive such purchaser of any rights granted by statue in the United Kingdom.

1. General

a) In these conditions "the seller" means Longton Light Alloys incorporating Gladstone Engineering Co Ltd.

b) Quotations are made and orders are accepted and executed subject to these conditions to the entire exclusion of any conditions proposed by the purchaser or appearing on or referred to in the purchasers order or the purchasers other documentation.

2. Prices

Prices are based on the seller costs and expenses and shall be those ruling at the date of invoice. The seller reserves the right between the date of acceptance of order and the date of invoice to increase prices to cover increases in costs and expenses incurred in performing the contract and to invoice at the price prevailing at the date of invoice.

3. Terms

All prices quoted are strictly net unless otherwise stated in writing by us. Payment must be made within 30 days from date of invoice. The seller reserves the right to charge interest on all overdue accounts less normal trading terms as a fore stated at the rate of 1 ½ % per calendar month or at 4% above the current prevailing Bank Rate being charged by Lloyds Bank plc whichever is the greater at the time of applying interest to the said overdue account.

4. Patterns

Where the buyer supplies patterns the quotation of the seller assumes that such patterns are in good condition true to drawing and entirely suitable for the sellers method of production and for the production of the castings in the quantities required. Replacement of and alterations or repairs to buyers patterns or equipment due to normal wear and tear shall be paid for by the buyer. The seller takes all reasonable care to protect buyers patterns while on the sellers premises but does not accept liability for loss or damage arising from accident, fire, larceny, riot, act of war, and no insurance will be affected by the seller in respect of patterns in his custody. The buyer will be responsible for the custody of his pattern from which no castings have been ordered for a period of two years.

5. Packing and Carriage

Box, packing and carriage will be charged extra unless otherwise stated.

6. Deliveries

Time for delivery is estimated as accurately as possible. When however for reasons beyond our control delivery estimates are exceeded we shall not be liable for delay.

7. Damage, Shortage or loss

The seller does not accept responsibility for any damage, shortage or loss in transit unless:-

a) Damage or shortage is notified in writing both to the seller and to the carriers within 3 days of receipt of goods and the goods have been signed for as 'not examined' and have been handled by the buyer in accordance with carriers conditions or

b) Nondelivery is notified both to the seller and to the carrier within 10 days of the date of despatch.

8. Overseas Trading

a) Unless credit facilities have been agreed payment is to be made on a cash with order basis or by a irrevocable and confirmed letter of credit established in this country prior to despatch.

b) All quotation for overseas delivery of goods will be ex-works.

9. Description and specification

All descriptions, specificatons, drawings etc. are given for general guidance only and no warranty or guarantee of any kind is to be implied nor is and such information to form part of a contract. Due to our policy of continuous improvement we reserve the right to change specifications and design of any machine or equipment without prior notice.

10. Guarantee

a) The seller guarantees at its sole discretion to refund the price of, or repair or replace free of charge any goods found to the sellers satisfaction within 12 months of the date of delivery to be defective owing to faulty design, materials or workmanship provided that the goods have not been subject to undue wear and tear, accident, alteration or misuse.

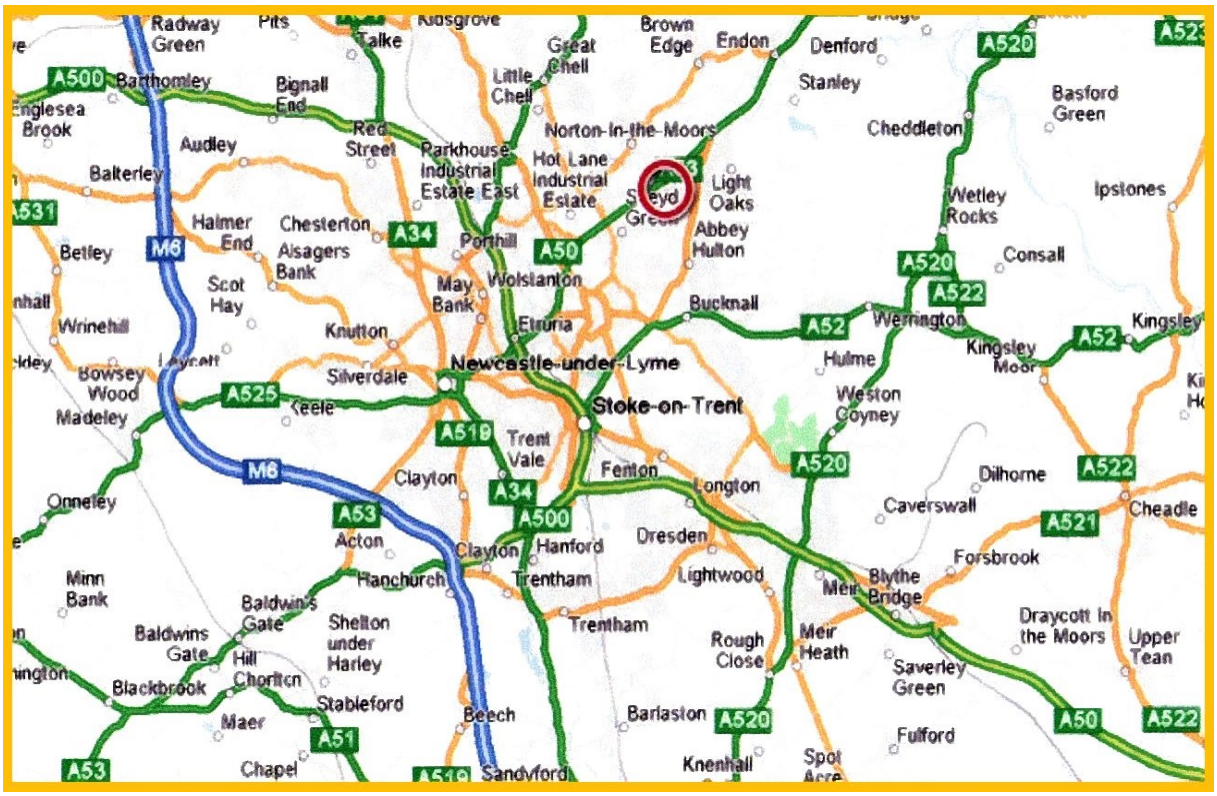
b) Goods returned under this guarantee shall be delivered to the seller at the Purchasers expense.

c) The repair or replacement of the goods by the seller shall not extend the guarantee period specified in (a) above.

d) Goods must be returned before credit or replacement can be given.

11) Liability
a) The sellers obligations under condition 10 to refund the price of, or to repair or replace defective goods and to take reasonable steps to achieve specification, and the seller liability under the following paragraphs of this condition are the sole liabilities of the sellers in respect of the goods.
b) The Buyer is solely responsible foe ensuring that the goods bought from the seller are fit for any particular purpose and no warranty or conditions of fitness for any particular purpose is given or is to be implied in these terms.
c) The seller shall not be responsible for any loss, injury, death or damage of any kind arising directly or indirectly from any defect in or breakdown or failure of the goods or caused directly or indirectly by or resulting from the goods or their use by the purchaser or any third party or from any services provided by the seller.
d) The seller accepts no liability whether under these conditions or otherwise and whether in contract or in court for any loss of use, business profits or contracts or any other consequential loss or damage.
e) Nothing in these conditions shall operate so as to exclude or limit the liability of the seller in respect of death or personnel injury caused by negligence within the meaning of section 1 of the Unfair Contract Terms Act 1977.
f) The seller shall not be responsible for any work carried out on the goods without the buyer first getting teh sellers permission in writing.
12. Rejection and Return of Goods
Written notice of rejection of goods by the purchaser as not complying with the purchasers order as accepted by the seller must be received by the seller within 7 days of delivery, failing which the purchaser shall be deemed to accept the goods. Subject to condition 10 goods cannot in any circumstances be returned for credit or otherwise unless previously agreed by the seller in writing and if so agreed the goods may be consigned carriage paid at the purchasers expense. The seller reserves the right to charge for handling, repackaging and carriage if returned goods are not covered by condition 10 or returned by error on the part of the purchaser or without written authorisation from the seller.
Any samples submitted to the purchaser must be returned in good condition within ninety days of receipt and will be charged for if not so returned.
13. Repair
If goods are returned to the seller for repair otherwise than under condition 10 and if the seller at its absolute discretion agrees to carry out such repair . The sellers sole liability shall be to put the goods into a reasonable state of repair with regards to their age and condition.
14. Cancellations
Orders may not be cancelled unless we consent in writing. The terms of cancellation must indemnify us against all losses incurred.
15. Ownership of Goods
a) The ownership of all goods delivered by the Company will only be transferred to the Buyer when the Buyer has paid all sums owing to the Company on any account whatsoever. Prior to such payment the Company retains ownership of the goods.
b) Until the date of payment of all such sums as aforesaid all goods supplied to the Buyer so long as they remain unused and unattached to any object for which they are ultimately intended shall be stored by the Buyer in such a way that they remain clearly identifiable as the Company's property.
c) If the Buyer attaches any of the said goods to any other object or objects belonging to the Buyer in such a way as to become constituents of such objects (in addition to the original goods supplied by the Company) such object or objects shall be held as security for the full payment of all sums owing to the Company by the Buyer. To this end the transfer to the company of the ownership of the objects concerned will be considered to have taken place through and at the moment of the simple operation or event by which the goods supplied by the Company are attached to the said objects so as to become a constituent part thereof.
d) Until payment in full of moneys owed by the Company the Buyer shall keep the original goods supplied by the Company and the objects in question for the Company in the Buyers capacity as fiduciary owner or trustee. Nevertheless the Buyer will be entitled to sell both the original goods supplied by the Company and any such objects to which the may have become attached as constituent parts to a purchaser full market value on condition that the Buyer, so long as they remain indebted to the Company assigns to the company their claims against their purchaser resulting from such transactions.
e) If the Buyer remains in default of any payment for which they are liable to the Company on any account whatsoever the Company shall be entitled to stop all further deliveries irrespective of which contract they spring from and to rescind the contract in question without prejudice to the Company's right to full compensation and the Company's right to take back at once the goods (or objects to which they are attached as constituent parts) pursuant to aforementioned provisions.
f) If the Buyer defaults in payment the Company shall be entitled to enter the Buyer's premises with such transport as may be necessary and repossess the goods and or objects to which the Company has title hereunder and licence for entry as aforesaid is hereby given to the Company by the Buyer.
16. Acceptance of Conditions
Acceptance of delivery of the goods shall be deemed conclusive evidence of the Buyers acceptance of these conditions.

Gladstone Engineering



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