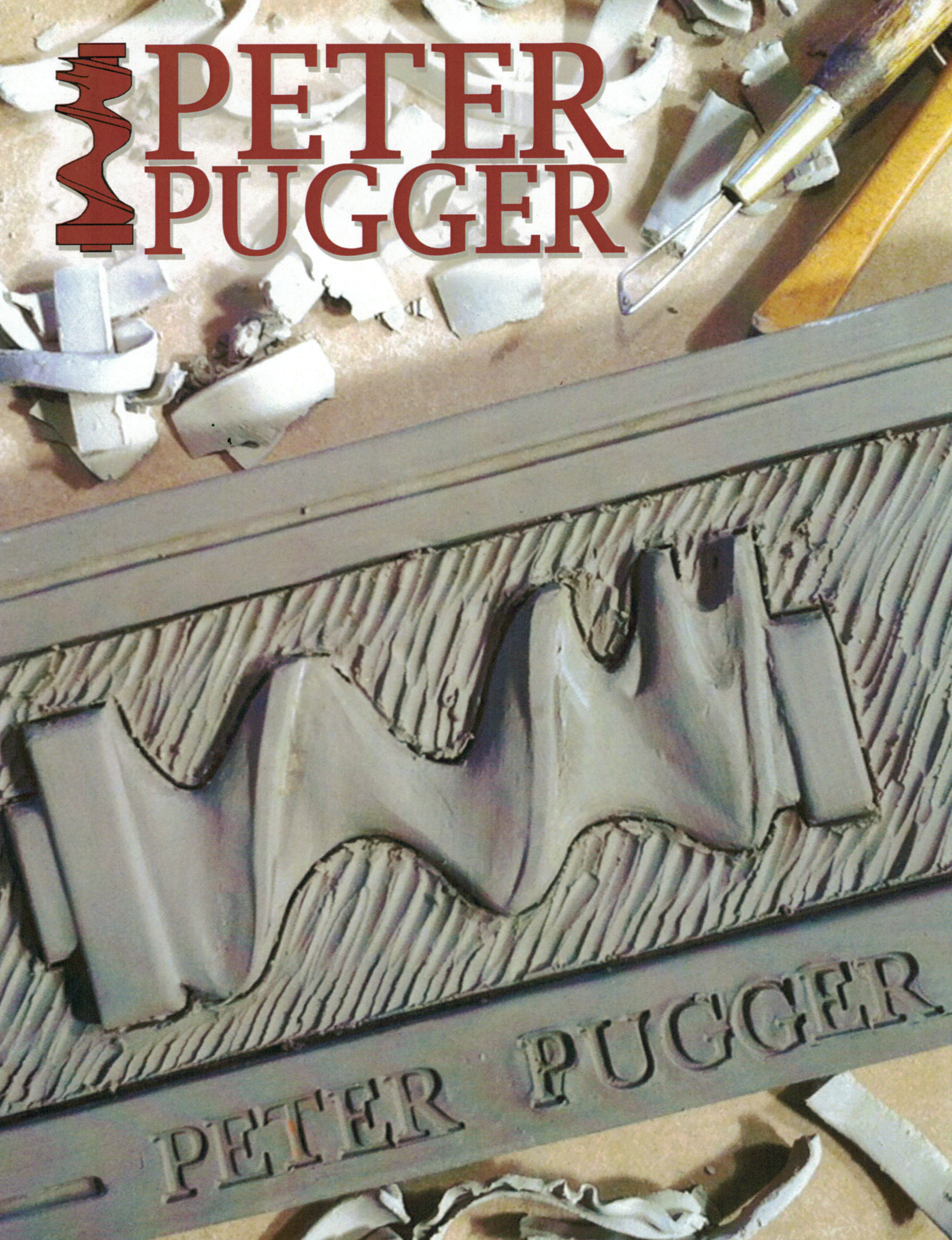
PETER PUGGER



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The Peter Pugger Advantage

Quality, Durability & Proven Performance... Why Settle For Anything Less?

Peter Pugger's World Famous Mixing Pugmill is the complete clay processing machine.

With over 40 years of proven performance, Peter Pugger's state-of-the-art mixing pugmill is the simplest, most effective design on the market today.

Capable of batch mixing any combination of wet, dry, greenware, slip, slop, powder and scrap. Recycle without slaking, wedging or constant force feeding. Robust construction combined with innovative design makes the Peter Pugger the most reliable, maintenance friendly pugmill available. The Peter Pugger mixing pugmill frees the operator during the mixing process, vacuum deairs the entire batch (patented design) and empties itself in the form of compacted logs-ready for throwing. No vacuum screens or ports to clog or maintain!

- Eliminates Wedging
- Store Moist Clay Indefinitely
- Mix Wet & Dry Scrap
- Mix Clay From Powder/Water
- Recycle Without Slaking
- Blend Multiple Clay Bodies
- Easy to Mount Extrusion Dies
- Simple To Clean
- Compact, Efficient & Quiet
- Large Work Surface
- Auto Electric Safety Shutoff
- Adjust Moisture Content
- Variable Speed Control
- No Vacuum Screens or Ports to Plug, Clean, or Slow Down Cycle Times
- CE/CSA Certified
- Made in the USA

Pugmills

Batch Mixing

The Peter Pugger mixing pugmill comes equipped with full batch mixing and blending capabilities which allows for thorough mixing and moisture adjustment prior to extruding.

Large Hopper

The over-sized hopper door allows for easy loading of any form of clay that has not been fired, i.e. large chunks of bone hard clay, scraps, dry powder, broken greenware, etc.

Patented Vacuum Deairing Process

Peter Pugger's Patented Vacuum Deairing design (Peter Pugger Patent #4322169 and other patents pending) is the most effective method for deairing clay to date. The entire batch can be thoroughly deaired while the clay is being mixed. Simply turn the vacuum switch to ON and watch the vacuum gauge rise. Once the vacuum gauge reaches the desired level, air-free clay is ready to extrude. This design eliminates the issues surrounding vacuum screens and pugmills that deair via the hopper door-- no clogged screens or hopper doors, no costly down time due to cleaning and no delayed cycle times. Peter Pugger's streamlined design does not require a large vacuum pump because the clay is continuously exposed to vacuum in the sealed mixing chamber. Vacuum is provided by a double-headed rocking piston diaphragm pump. These new technology pumps are the simplest and quietest vacuum sources available. They are maintenance free and long lasting.

Completely Sealed Mixing Pugmill

The vacuum deairing models are designed to leave moist clay in the mixing pugmill indefinitely. This is achieved by machining o-ring grooves into the mating surfaces of the castings. In turn, universal o-rings can be installed into the machined grooves to provide a superior sealing surface. This eliminates the need to disassemble the mixing pugmill to clean out dry clay. There is no need for wet rags in the door or wrapping the pugmill in plastic. Pugmills which are not sealed dry out quickly and require complete disassembly to eliminate hardened clay.

Patented Separation of Gear Drive System From Mixing Process

This ingenious design (Peter Pugger Patent #5716130) is one of the reasons that makes Peter Pugger's mixing pugmill the best choice. A mixing pugmill is designed to rotate the auger in both mix and extrude directions. While rotating the auger in the mix direction, clay is being forced up against the rear wall of the mixing chamber. As a result, the need to protect important components such as seals, bearings and the gearbox must be addressed. Peter Pugger's vacuum deairing models have eliminated this issue by designing an integral vacuum/void chamber between the processing chamber and the gear drive system. Clay that inherently works its way along the shaft escapes harmlessly into the vaccum chamber avoiding damage to the gear drive. It can be easily gathered and reintroduced into the processing chamber. No other pugmill on the market addresses this issue.

Variable Speed Control

Variable speed control allows the operator to control the speed of the motor, thus the speed of mixing and extruding. This control is convenient for single potter situations where post processing of the clay is required while extruding the clay. It is especially useful when extruding through dies that have been mounted onto the end of the mixing pugmill.

Work Surface

The motor and gear drive are enclosed for protection and cleanliness. This creates a durable work surface for operator convenience while loading and unloading.

Stainless Steel

Auger, shaft and paddles are of stainless steel, along with aluminum alloy castings to ensure clay processing without iron contamination. Stainless Steel castings are available on select models to provide protection against corrosion from porcelain and certain white clay bodies.

Safety

It is not necessary to continuously hand feed the Peter Pugger mixing pugmill as with standard pugmill designs. Load a full batch, close the lid and turn it on -- this eliminates exposure to moving paddles. The machine is designed to shut off automatically when the lid is opened.

Extruding Capability-Dies

The vacuum deairing models come equipped with tapped holes that are machined into the extrusion end (nozzle) of the mixing pugmill. This allows the operator the option of mounting extrusion dies directly to the end of the machine. Deaired clay can be extruded directly from the mixing pugmill via the extrusion die. The speed of the extrusion can be controlled using the variable speed control. **(See Accessories)**

Pug Cutting

The pug cutter is an attachment that provides a convenient means for cutting clay logs into preferred lengths. The pug cutter can easily be mounted to the bosses located on the bottom side of the pugmill nozzle. Measuring marks are engraved into the cutting tray for consistent length of cut. **(See Accessories)**

Cleaning

Since the vacuum deairing models are completely sealed, moist clay can be stored indefinitely without drying out. This eliminates the need to disassemble the mixing pugmill to clean out dry clay. When switching clay bodies, most Peter Pugger owners will extrude the remaining batch first clay body, leaving only residual clay in the machine. Next, load the second clay body into the mixing pugmill and follow the standard process to purge the first clay body from the machine. This also eliminates the need to disassemble the mixing pugmill to clean out clay. When slight cross contamination is undesirable (going from dark to a light body), the mixing pugmill is easily broken down into manageable pieces for convenient cleaning of the machine. Peter Pugger mixing pugmills that come equipped with wheels or on stands with wheels allow the machine to be relocated to a cleaning site.

High Quality, Heavy Duty Drive

The industrial-rated electric motor, and gear reduction transmission is the highest quality available. Overload protection is provided in the magnetic motor starter.

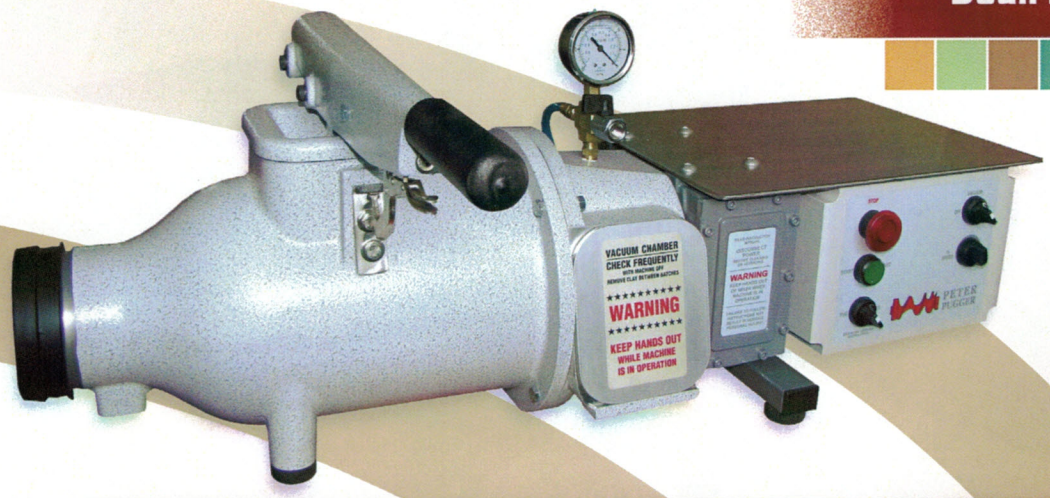
Adjustable Stand

This heavy duty stand has a shelf, and the height is adjustable. Wheels are included and can be installed on the motor end of the vacuum deairing mixing pugmill stand for easy transport. **(See Accessories)**

Deairing Mixing Pugmills

VPM-7 POWER WEDGER (ALUMINUM)	
Maximum Batch Capacity	14 pounds
Pugger Rate	350 lbs. per hour
Mixing Rate	100 lbs. per hour
Dimensions	33.5"L x 12"W x 13.75"H
Crafted Weight	150 lbs. (Ships UPS/FED Ex Ground)
Hopper Door Size	4.5" x 4.5"
Pug Size:	3" round
Electrical	1/2 HP 1-phase, 6 amps at 120 volts, 4 amps at 240V
Vacuum pump	1/2 HP 1-phase, 6 amps at 120 volts, 4 amps at 240V

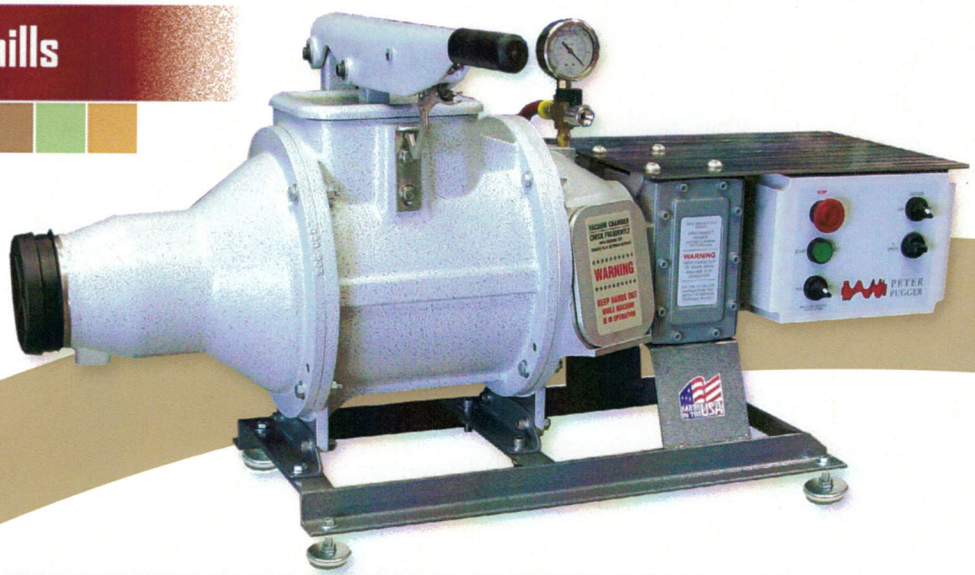
VPM-7SS POWER WEDGER (STAINLESS STEEL)	
Maximum Batch Capacity	14 pounds
Pugger Rate	350 lbs. per hour
Mixing Rate	100 lbs. per hour
Dimensions	33.5"L x 12"W x 13.75"H
Crafted Weight	194 lbs. (Ships LTL Freight)
Hopper Door Size	4.5" x 4.5"
Pug Size:	3" round
Electrical	1/2 HP 1-phase, 6 amps at 120 volts, 4 amps at 240V
Vacuum pump	1/2 HP 1-phase, 6 amps at 120 volts, 4 amps at 240V



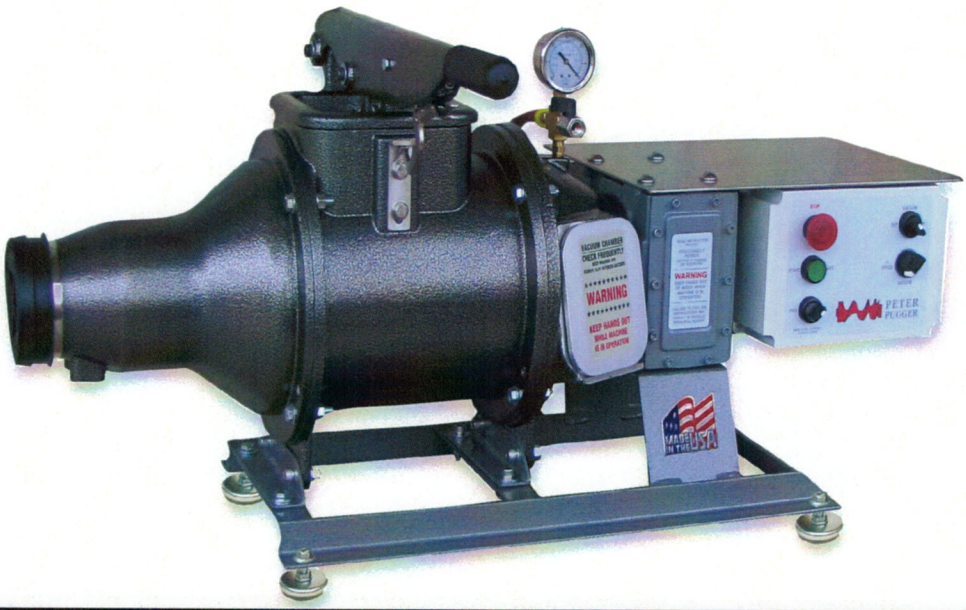
VPM-9 POWER WEDGER (ALUMINUM)	
Maximum Batch Capacity	25 lbs.
Hopper Door Size	5 1/4" x 5 1/4"
Mixing Rate	150 lbs. per hour
Pugging Rate	500 lbs. per hour
Pug Size	3" diameter
Dimensions	14H" x 14"W x 36"L
Crated Weight	178 lbs. (Ships UPS/Fed Ex Ground)
Vacuum Pump	1/2 Hp, 3 amps at 120V, 2 amps at 240V
Electrical	3/4Hp, 1ph, 8 amps at 120V, 6 amps at 240V

VPM-9SS POWER WEDGER (STAINLESS STEEL)	
Maximum Batch Capacity	25 lbs.
Hopper Door Size	5 1/4" x 5 1/4"
Mixing Rate	150 lbs. per hour
Pugging Rate	500 lbs. per hour
Pug Size	3" diameter
Dimensions	14H" x 14"W x 36"L
Crated Weight	230 lbs. (Ships LTL Trucking)
Vacuum Pump	1/2 Hp, 3 amps at 120V, 2 amps at 240V
Electrical	3/4Hp, 1ph, 8 amps at 120V, 6 amps at 240V

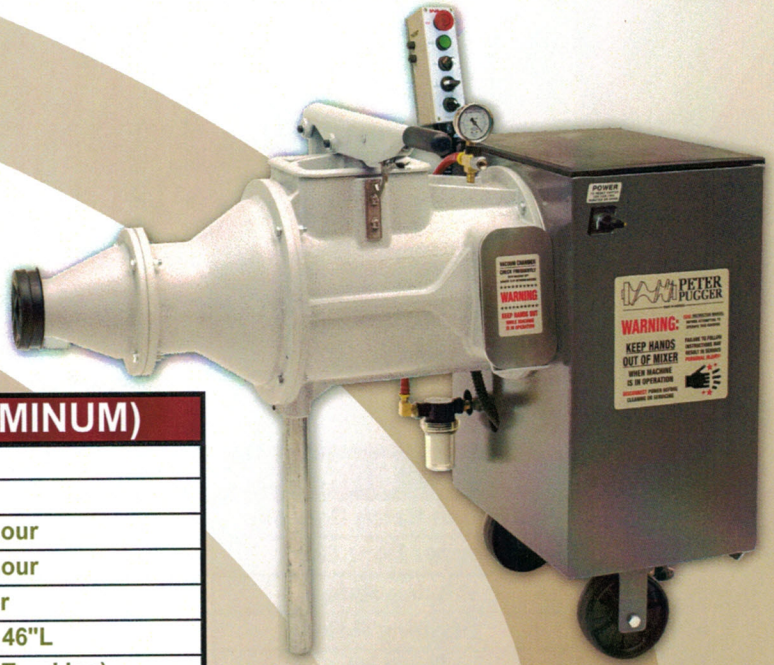
Deairing Mixing Pugmills



VPM-20 POWER WEDGER (ALUMINUM)	
Maximum Batch Capacity	45 lbs.
Hopper Door Size	7" x 7"
Mixing Rate	180 lbs. per hour
Pugging Rate	600 lbs. per hour
Pug Size	3" diameter
Dimensions	20H" x 14"W x 42"L
Crated Weight	230 lbs. (Ships LTL Trucking)
Vacuum Pump	1/2 Hp, 3 amps at 120V, 2 amps at 240V
Electrical	1Hp, 1ph, 10.3 amps at 120V, 8 amps at 240V



VPM-20SS POWER WEDGER (STAINLESS STEEL)	
Maximum Batch Capacity	45 lbs.
Hopper Door Size	7" x 7"
Mixing Rate	180 lbs. per hour
Pugging Rate	600 lbs. per hour
Pug Size	3" diameter
Dimensions	20H" x 14"W x 42"L
Crated Weight	285 lbs. (Ships LTL Trucking)
Vacuum Pump	1/2 Hp, 3 amps at 120V, 2 amps at 240V
Electrical	1Hp, 1ph, 10.3 amps at 120V, 8 amps at 240V



VPM-30 POWER WEDGER (ALUMINUM)	
Maximum Batch Capacity	85 lbs.
Hopper Door Size	8" x 8"
Mixing Rate	240 lbs. per hour
Pugging Rate	800 lbs. per hour
Pug Size	3" diameter
Dimensions	33H" x 24"W x 46"L
Crated Weight	410 lbs. (Ships LTL Trucking)
Vacuum Pump	1/2 Hp, 3 amps at 120V, 2 amps at 240V
Electrical	1.5Hp, 1ph, 16 amps at 120V, 8 amps at 240V

VPM-60 POWER WEDGER (ALUMINUM)	
Maximum Batch Capacity	140 lbs.
Hopper Door Size	9" x 9"
Mixing Rate	500 lbs. per hour
Pugging Rate	1,500 lbs. per hour
Pug Size	3 1/2" diameter
Dimensions	31H" x 24"W x 58"L
Crated Weight	520 lbs. (Ships LTL Trucking)
Vacuum Pump	1/2 Hp, 2 amps at 240V
Electrical	2Hp, 1ph,12amps at 240V

Non Deairing Mixing Pugmills

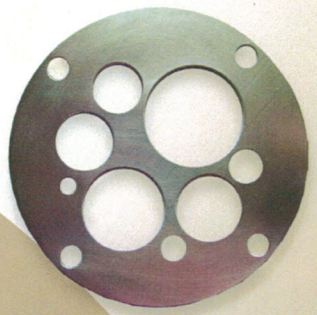
PM-50 MIXER-PUGGER (ALUMINUM)	
Maximum Batch Capacity	135 lbs.
Hopper Door Size	8" x 11"
Mixing Rate	300 lbs. per hour
Pugging Rate	1,200 lbs. per hour
Pug Size	3" diameter
Dimensions	30H" x 20"W x 46"L
Crated Weight	400 lbs. (Ships LTL Trucking)
Electrical	2Hp, 1ph,12amps at 240V

PM-100 MIXER-PUGGER (ALUMINUM)	
Maximum Batch Capacity	250 lbs.
Hopper Door Size	9" x 14"
Mixing Rate	600 lbs. per hour
Pugging Rate	2,000 lbs. per hour
Pug Size	4" diameter
Dimensions	31H" x 20"W x 58"L
Crated Weight	600 lbs. (Ships LTL Trucking)
Electrical	3Hp, 1ph, 16 amps at 240V

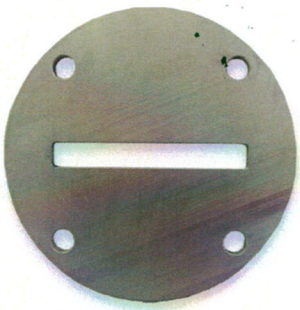
Extrusion Dies

#1 Handle

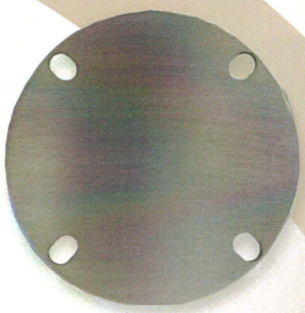
#2 Modified Handle



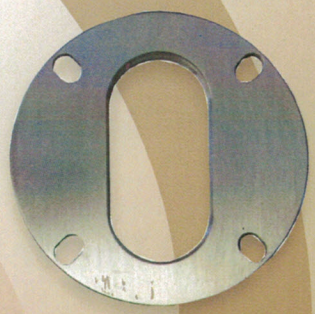
#3 Coil



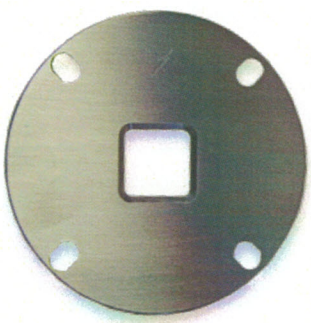
#4 Rectangle



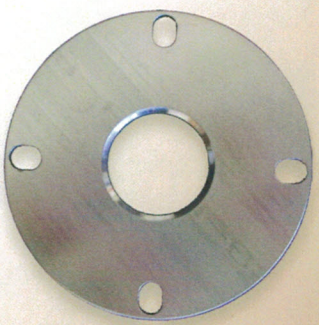
#5 Blank



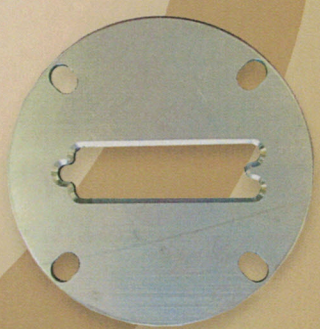
#6 Slot



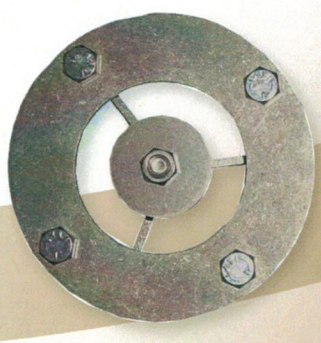
#7 1" Square



#8 1 1/2" Coil



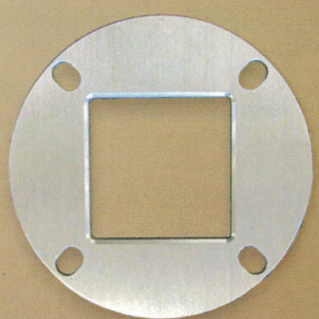
#9 Locking Edge



#10 Hollow Tube Die Kit

2 1/2", 2", 1 1/2" - ID

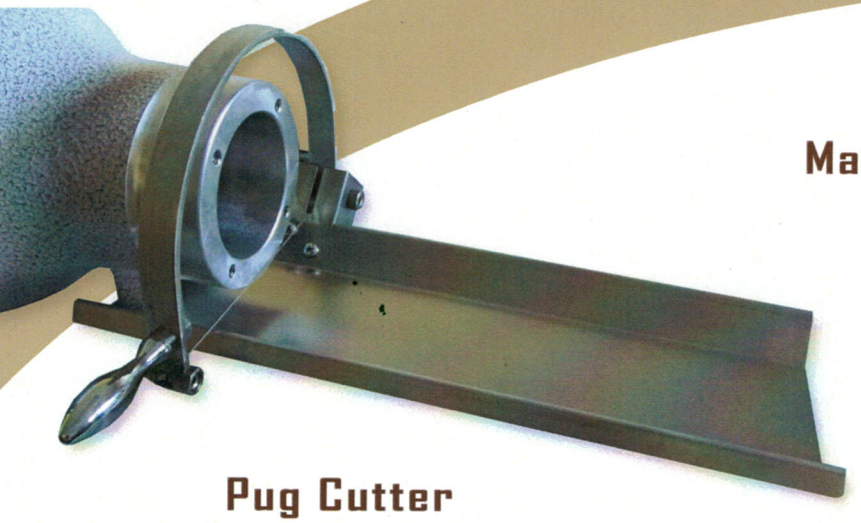
1", 1 1/2", 2", 2 1/2" - OD



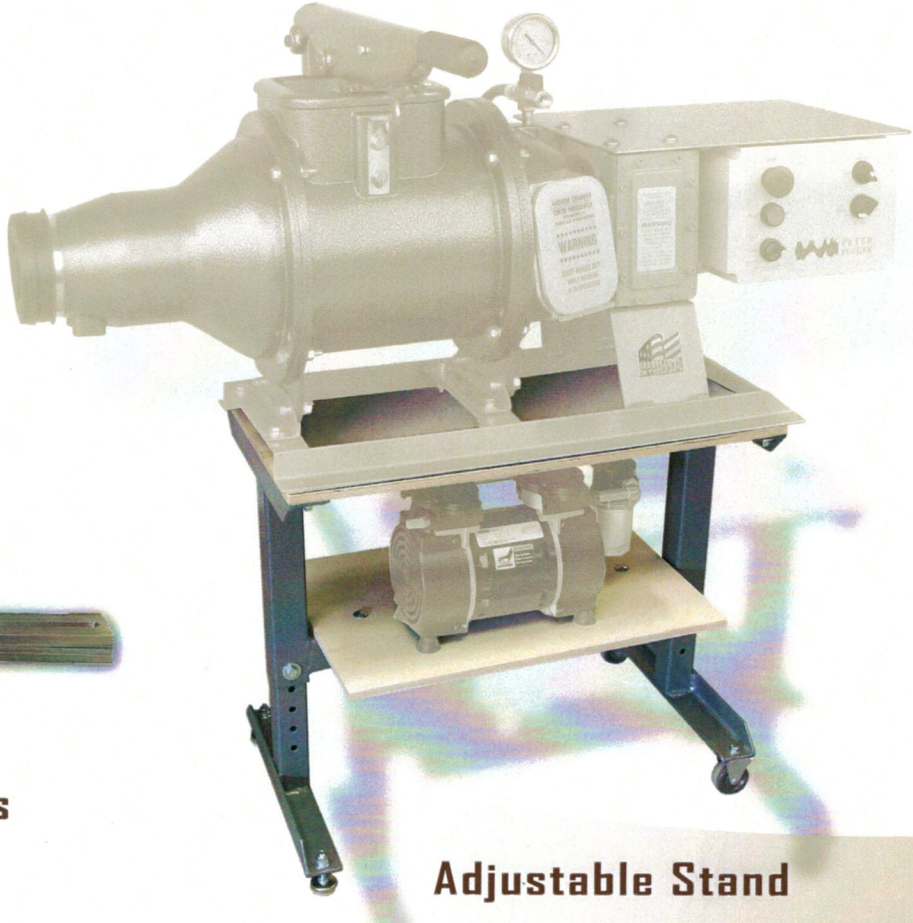
#11 2 1/8" Square

Accessories

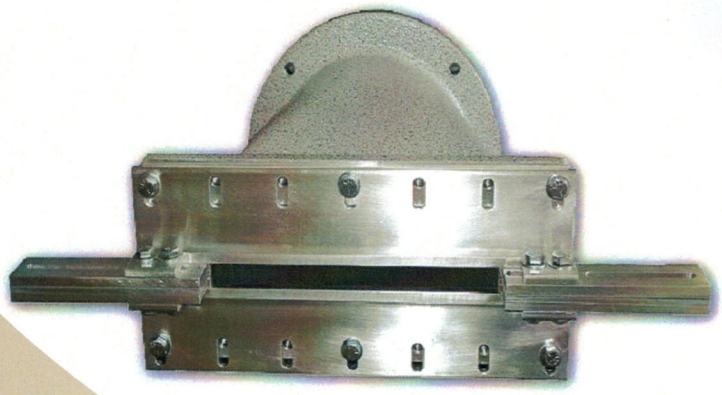
Manual Tile Cutter



Pug Cutter



Adjustable Stand

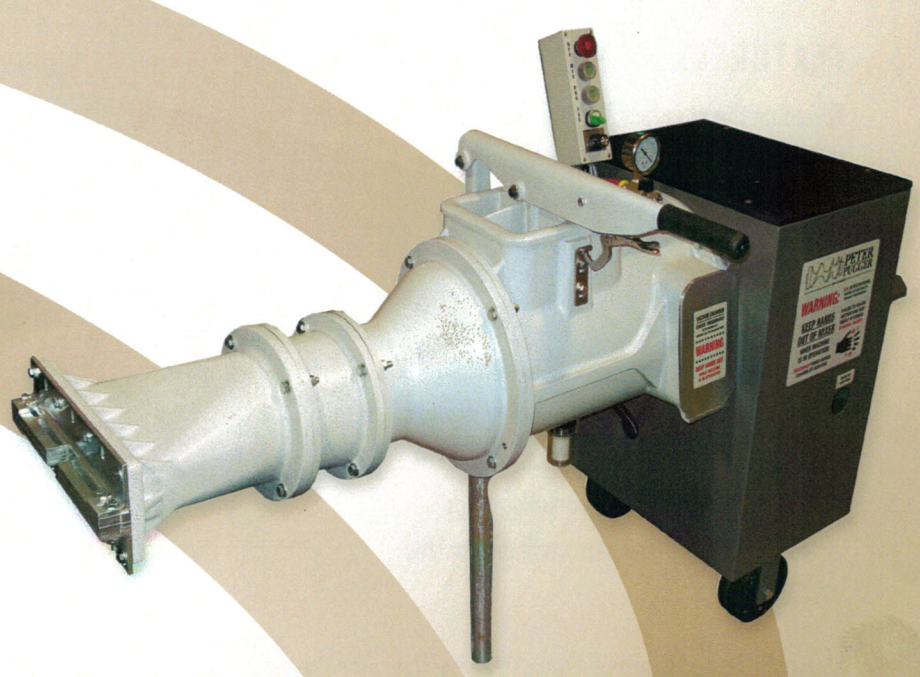


Nozzle & Adapter Plates

VPM-30TE Tile Extruding Vacuum Power Wedger

FEATURES:

Based on the standard VPM-30, the VPM-30TE has incorporated the additional features to transform the Power Wedger into the most versatile tile making machine available:



Aggressive Stainless Steel Auger: The VPM-30TE auger design has been modified to accommodate the enormous backpressure generated as a result of extruding large amounts of clay through a small orifice (tile die/adapter).

Variable Speed Control: This allows the operator the ability to speed up or slow down the pugmill. This is especially useful when extruding through dies. Because of the back pressure generated by a large amount of clay being forced through a small orifice, the speed control allows the operator to slow the pugging as required. In turn, perfect deaired configurations are easily extruded through the Pugger-Mixer. There are additional advantages if you are a "single potter studio". The ability to slow the pugging allows for post processing of the extruded tile.

Upgraded 2Hp Motor: In addition to the massive gear reduction the gearbox provides, an upgraded 2Hp motor has been designed into the VPM-30TE to provide ample power.

Tile Nozzle: The VPM-30TE has the ability to utilize the standard nozzle with a 3" diameter pug or a tile nozzle with a 10" wide x 2" tall opening. Nozzles can be switched out by simply removing the four bolts that secures the nozzle to the cone.

Tile Nozzle Adjustable adapter: The tile nozzle adapter allows the operator to adjust the tile thickness and width by simply loosening and sliding the guide plates to the desired dimensions (see accessories).

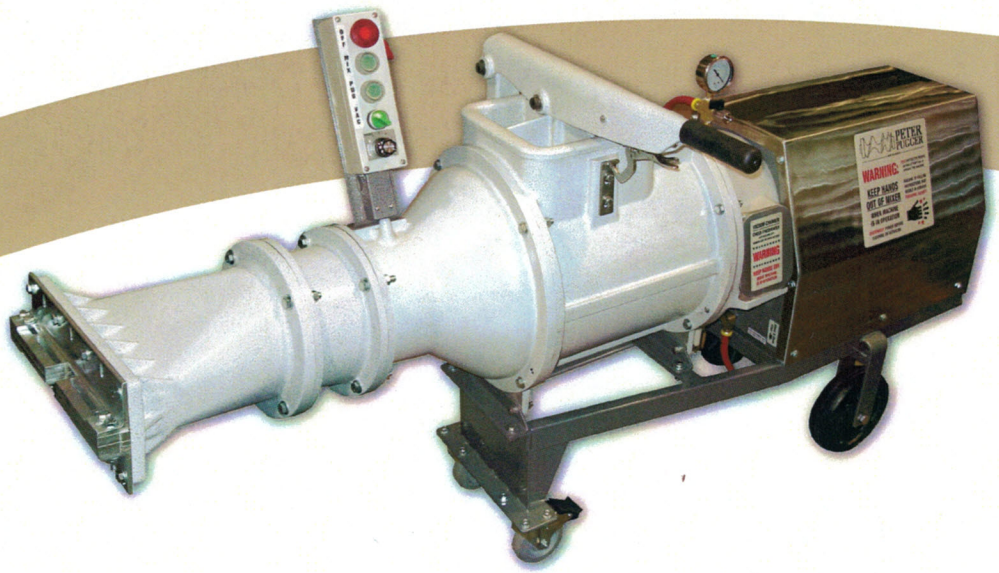
Optional: Tile Retainer and Epoxy Inserts: A tile retainer which houses epoxy inserts can be mounted to the end of the tile nozzle for extruding consistent product from the VPM-30TE. An epoxy insert is created using a master of the desired configuration i.e. field tile, relief molding, and architectural pieces. Epoxy inserts are very durable (produce approximately 10,000-20,000 6" x 6" tiles).

VPM-30TE TILE EXTRUDING PUGMILL (ALUMINUM)	
Maximum Batch Capacity	85 lbs.
Hopper Door Size	8" x 8"
Standard Mixing Rate	240 lbs. per hour
Standard Pugging Rate	800 lbs. per hour
Standard Pug Size	Standard 3" diameter/ Adjustable Tile Nozzle with adapter plates
Dimensions	33H" x 24"W x 56"L
Crated Weight	470 lbs. (Ships LTL Trucking)
Vacuum Pump	1/2 Hp, 3 amps at 120V, 2 amp at 240V
Electrical	2Hp, 1ph, 11 amps at 240V

VPM-60TE Tile Extruding Vacuum Power Wedger

FEATURES:

Based on the standard VPM-60, the VPM-60TE has incorporated the additional features to transform the Power Wedger into the most versatile tile making machine available:



Aggressive Stainless Steel Auger: The VPM-60TE auger design has been modified to accommodate the enormous backpressure generated as a result of extruding large amounts of clay through a small orifice (tile die/adapter).

Variable Speed Control: This allows the operator the ability to speed up or slow down the pugmill. This is especially useful when extruding through dies. Because of the back pressure generated by a large amount of clay being forced through a small orifice, the speed control allows the operator to slow the pugging as required. In turn, perfect deaired configurations are easily extruded through the Pugger-Mixer. There are additional advantages if you are a "single potter studio". The ability to slow the pugging allows for post processing of the extruded tile.

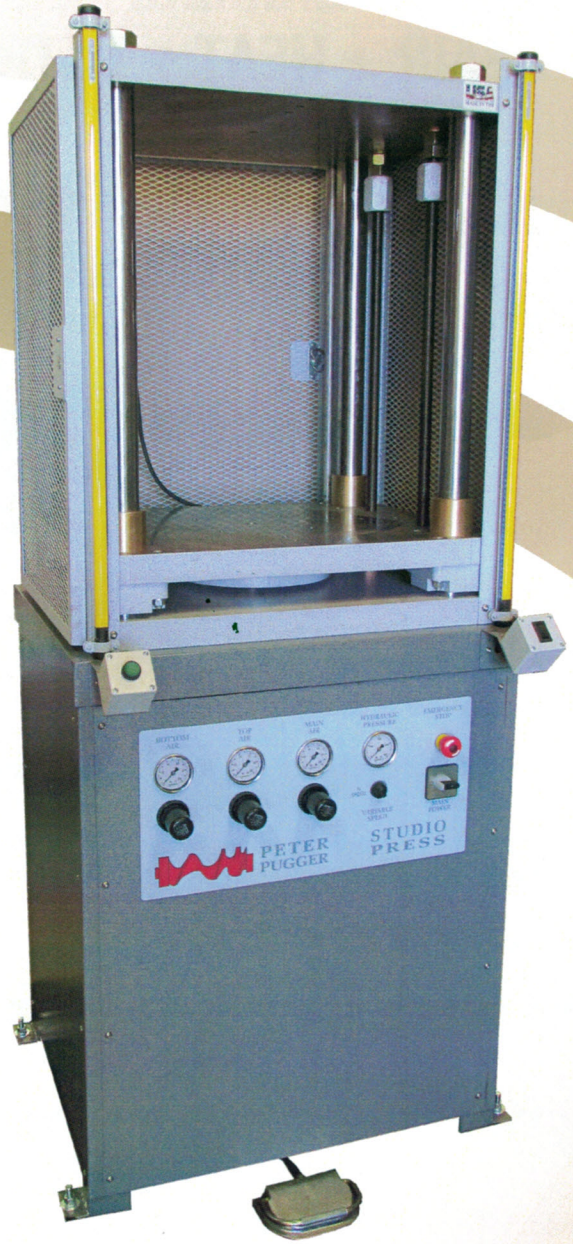
Upgraded 3Hp Motor: In addition to the massive gear reduction the gearbox provides, an upgraded 3Hp motor has been designed into the VPM-60TE to provide ample power.

Tile Nozzle: The VPM-60TE has the ability to utilize the standard nozzle with a 3 1/2" diameter pug or a tile nozzle with a 10" wide x 2" tall opening. Nozzles can be switched out by simply removing the four bolts that secures the nozzle to the cone

Tile Nozzle Adjustable adapter: The tile nozzle adapter allows the operator to adjust the tile thickness and width by simply loosening and sliding the guide plates to the desired dimensions (see accessories).

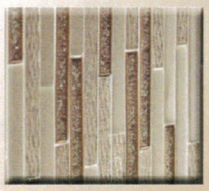
Optional: Tile Retainer and Epoxy Inserts: A tile retainer which houses epoxy inserts can be mounted to the end of the tile nozzle for extruding consistent product from the VPM-60TE. An epoxy insert is created using a master of the desired configuration i.e. field tile, relief molding, and architectural pieces. Epoxy inserts are very durable (produce approximately 10,000-20,000 6" x 6" tiles) and fairly inexpensive.

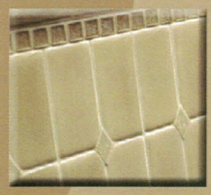
VPM-60TE TILE EXTRUDING PUGMILL (ALUMINUM)	
Maximum Batch Capacity	140 lbs.
Hopper Door Size	9" x 9"
Standard Mixing Rate	500 lbs. per hour
Standard Pugging Rate	1,500 lbs. per hour
Standard Pug Size	Standard 3" diameter/ adjustable tile nozzle with adapter plates
Dimensions	31H" x 24"W x 68"L
Crated Weight	550 lbs. (Ships LTL Trucking)
Vacuum Pump	1/2 Hp, 3 amps at 120V, 2 amp at 240V
Electrical	3Hp, 1ph, 13 amps at 240V





Peter Pugger offers the most versatile tile press available. This low pressure system provides the operator the ability to press a wide range of field tile, relief molding,and architectural pieces as well as pottery. With state-of-the-art controls and valving, the studio press is designed with efficiency and simplicity in mind. In turn, the operator can easily access the hydraulic pressure, as well as the top and bottom air purge for "on-the-fly" adjustments. Quick disconnect air connectors allow quick and easy die frame change-outs. Safe and trouble-free controls allow the operator to produce consistent product quickly and effectively.





30 TON STUDIO PRESS	
Work Area	22" x 28"
Travel/Daylight	Up to 29"
Extrusion Size	Standard Adjustable Tile Nozzle with adapter plates
Dimensions	76H" x 29"W x 24"L
Crated Weight	2,100 lbs. (Ships LTL Trucking)
Hydraulics/Electrical	Dependable Low Pressure System - amps at 240V
Safety	Laser curtain, enclosures, emergency stop and dual hand control demand
Stroke	Up to 26"
Controls	Semi-Automatic
Hydraulic Force	60,000 lbs.
Air Purge- Foot Controls	Top and Bottom Capability
**120V, 3-phase, 50Hz and other motors are available on special orders.	

Heated Deairing Mixing Pugmill

VPM-60MCE "Ultimate Pugmill"
MIX + DEAIR + HEAT + EXTRUDE

FEATURES:

Based on the standard VPM-60, the VPM-60MCE has incorporated the additional features to transform the VPM-60MCE into the most versatile epoxy, carbon & polymer based recycling machine available:

Batch Mixing: Full batch mixing and blending capability allows for thorough mixing and temperature adjustment before extruding.

Variable Speed Control: This allows the operator the ability to speed up or slow down the VPM-60MCE. This is especially useful when post processing is taking place. Because of the back pressure generated by a large amount of material being forced through a small orifice, the speed control allows the operator to slow the pugging as required. In turn, perfect deaired material easily extruded through the VPM-60MCE.

On Wheels: The VPM-60MCE comes with 8" diameter wheels and front casters. It is easily transported for cleaning and storage.

High Quality, Heavy Duty Drive: The industrial rated electric motor, close coupled to a gear reduction transmission, is the highest quality gear drive system available. Overload protection is provided in the magnetic motor starter.

Large Hopper: The over-sized hopper door allows for easy loading of large shavings, scrap, and trimmings.

Pugmill Output: Switch to PUG after a batch is completely mixed, and the VPM-60MCE unloads itself in the form of 3 1/2" diameter logs.

Work Surface: The motor, gear drive and vacuum pump are enclosed for protection and cleanliness. This creates a durable work surface for operator convenience while loading and unloading.

Vacuum Deaired: The entire batch can be thoroughly deaired by starting the vacuum pump when the load is being mixed. Air is removed during the last stage of mixing, leaving an air-free, high quality product when extruded.

Temperature Controlled Chambers: Material can be stored indefinitely inside the machine. The barrel and nozzle chambers are temperature controlled to maintain warm material. The temperature controls for the nozzle and barrel chambers are factory set to the specific material being recycled to provide consistent results. Minimum temperature settings have been incorporated into the controls to provide protection against cold batch starts. In turn, the machine will begin reclaiming only when the temperature has reached the minimum temperature requirement.

Real Time Readout: The VPM-60MCE comes equipped with an amperage gauge which provides real-time readout of mixing activity. As the material is being mixed, the amperage gauge will provide the amps being pulled based on the motor demand. Once the gauge reaches the desired amp level, the material is ready for the deairing and extruding process.

VPM-60MCE	
Maximum Batch Capacity	85-100LBS. (Depends on Material)
Hopper Door Size	9" x 9"
Standard Mixing Rate	500 lbs. per hour
Standard Pugging Rate	1,500 lbs. per hour
Heating System	Dual Temp Control- Barrel/Nozzle
Dimensions	31H" x 24"W x 68"L
Crated Weight	640 lbs. (Ships LTL Trucking)
Vacuum Pump	1/2 Hp, 3 amps at 120V, 2 amp at 240V
Electrical	5Hp, 1ph, 24 amps at 208V-240V, 30A Plug

Clam Shell Raku Kiln

Introducing Peter Pugger's new "Clam Shell" raku kiln. Utilizing years of history and a plethora of design improvements, this truly mobile raku kiln is designed for efficient, easy, one person operation. No need to worry about lifting a heavy chamber over red-hot kiln shelves or damaging product as a result. Simply split the kiln in two, allowing quick access to the kiln shelves. The fully insulated fiber walls and a soft brick floor allows the kiln to heat and cool rapidly, eliminating the need to preheat. Roll the kiln to a safe location, complete a firing cycle within 30-45 minutes and roll it back into storage. It's that simple!

QUICK CYCLE TIMES-NO PREHEAT REQUIRED

AUTO SAFETY SHUT-OFF WITH PILOT LIGHT

EASY ACCESSIBILITY TO THE WORK

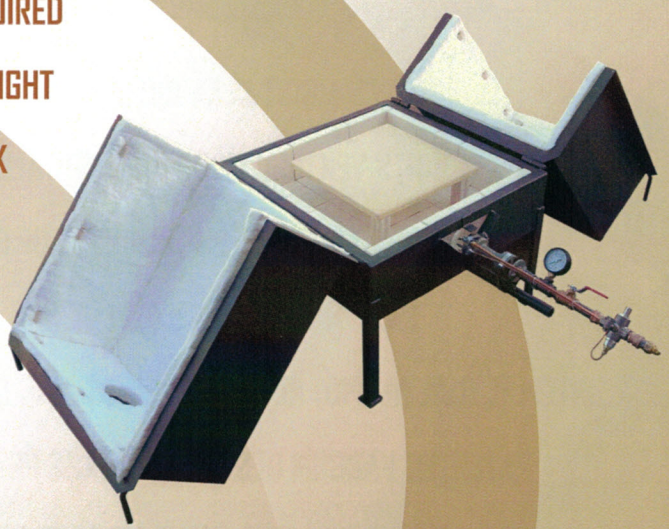
CLEARS STANDARD MAN DOOR

SMALL, PORTABLE, EFFICIENT

ONE PERSON OPERATION

ECONOMICAL

USA MADE



FEATURES:

Constructed from high temperature fiber in a laser cut and formed metal frame. The sides fold down to offer unparalleled access to the hot ware. One person can easily fire this kiln, load and unload it without assistance. Insulating firebrick in a welded steel frame form the base of the kiln. Because of the fiber walls and soft brick base, the kiln heats and cools rapidly (eliminates the need to preheat). An entire heating cycle takes approximately 30-45 minutes using a propane tank and burner. The folding sides are made of sheet metal and angle iron. The sides hinge from the base and are lined with 1"inch thick ceramic fiber. Two vent holes on top of the kiln can be covered to allow control of the firing. Large "peep" holes on two sides give easy visibility into the kiln to inspect the cones and for thermocouple placement. The kiln is fired with a 75,000 BTU venturi burner in a fixed cradle. Modular construction allows easy storage or transportation. With the added casters the kiln can be moved in and out storage. The optional thermocouple safety shut-off system and pilot light provide a safe and reliable gas supply system.

CLAM SHELL RAKU KILN	
Main Base Construction	Laser Cut Steel Frame Base w/2,300°F Soft Brick & Wheels
Upper Shell Construction	Laser Cut Steel Frame w/High Temp Fiber Lining
Burner System	75,000 BTU Burner MR-750
Kiln Furniture	One 16" x 16" x 5/8" Shelf, Three 4" Posts
Gas Supply System	High Pressure Regulator, 12'ft. Hose & Gas Valve
Options	10ga Propane Tank, BASO Valve w/Thermocouple Safety Shut-off System, Digital Pyrometer w/8" Thermocouple, additional kiln furniture

VPE-8SS Vacuum Hydraulic Power Extruder (Studio Model)

Extruding has never been easier! Peter Pugger's introduces the latest in extruding technology. With new vacuum deairing capability, the VPE-8SS studio power extruder eliminates the issues that are inherent with traditional manual wall extruders and air assisted power extruders. With hands free control, sealed extruding chamber and plenty of force to extrude even the toughest shapes (large or small), Peter Pugger's new VPE-8SS is the solution to those challenging projects.

STORES MOIST CLAY INDEFINITELY

MOUNTS VERTICALLY OR HORIZONTALLY

ELIMINATES AIR BETWEEN "CHUNKS" OF CLAY

EASY MOUNT EXTRUSION DIES

INTELLECTUAL (RAPID) RETRACT & EXTRUDING CAPABILITY

PATENTED VACUUM DESIGN (45 YEARS PROVEN)

VARIABLE SPEED CONTROL (HAND OR FOOT OPERATED)

SEALED CHAMBER ELIMINATES NEED TO CLEAN OUT AFTER EVERY USE DUE TO DRIED OUT CLAY

SMALL, EFFICIENT & QUIET

AUTO SAFETY SHUT-OFF

USA MADE

FEATURES:

High Quality, Heavy Duty Hydraulics: The industrial rated electric motor, close coupled to a 3,000psi hydraulic system, is the highest quality available. Overload protection is provided in the magnetic motor starter.

Sealed Chamber: Moist clay can be stored indefinitely since all openings are sealed.

Extruder Output: Switch to EXTRUDE after a batch is loaded and the Power Extruder will begin extruding material using hand or foot operated controls.

Stainless Steel Construction: The Power Extruder main chamber, hydraulic push rod plate and nozzle are made of stainless steel to ensure clay processing without iron contamination.

Vacuum Deaired: Entire batch can be thoroughly deaired by starting the vacuum pump once batch has been loaded. Air is removed from around "clay chunks" leaving an air-free, high quality product.

Variable Speed: Variable speed allows the operator to control the speed of the motor, thus the speed of the extrusion. This control is especially useful when extruding small objects through dies attached to the nozzle.

Hand and Foot Operation: The Power Extruder can be operated using hand or foot pedal controls.
Rapid Retract: Once the complete batch of material has been extruded, switch to "RAPID RETRACT" to quickly bring the cylinder head back into position for reloading.

Rapid Retract: Once the complete batch of material has been extruded, switch to "RAPID RETRACT" to quickly bring the cylinder head back into position for reloading.

SAFETY

The power extruder is interlocked for safe loading and maintenance. Load a full batch, close the lid and turn it on-this eliminates exposure to moving components. The machine shuts off automatically when the lid is opened.

EXTRUDING CAPABILITY

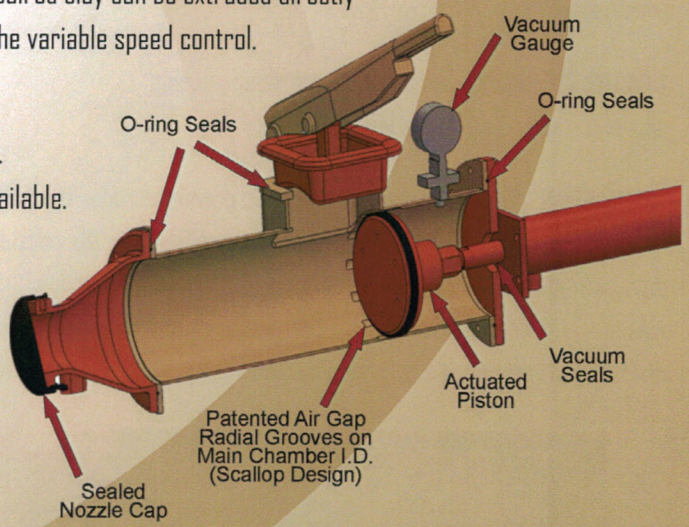
The Power Extruder comes equipped with a machined o-ring groove and bolt holes on the extrusion exit flange to allow for the attachment of a wide range of extrusion dies and attachments. Deaired clay can be extruded directly through the extrusion die. The speed of the extrusion can be controlled using the variable speed control.

VACUUM

Vacuum is provided by a 1/3 HP double-headed rocking piston diaphragm pump.
These new technology pumps are the simplest and quietest vacuum sources available.
They are maintenance free and long lasting.

CLEANING

With the removal of four bolts, the entire extruding chamber can be accessed so it can be conveniently cleaned out. Cleaning is necessary only to avoid cross contamination. Since the machines are completely sealed, moist clay can be stored indefinitely without drying out.



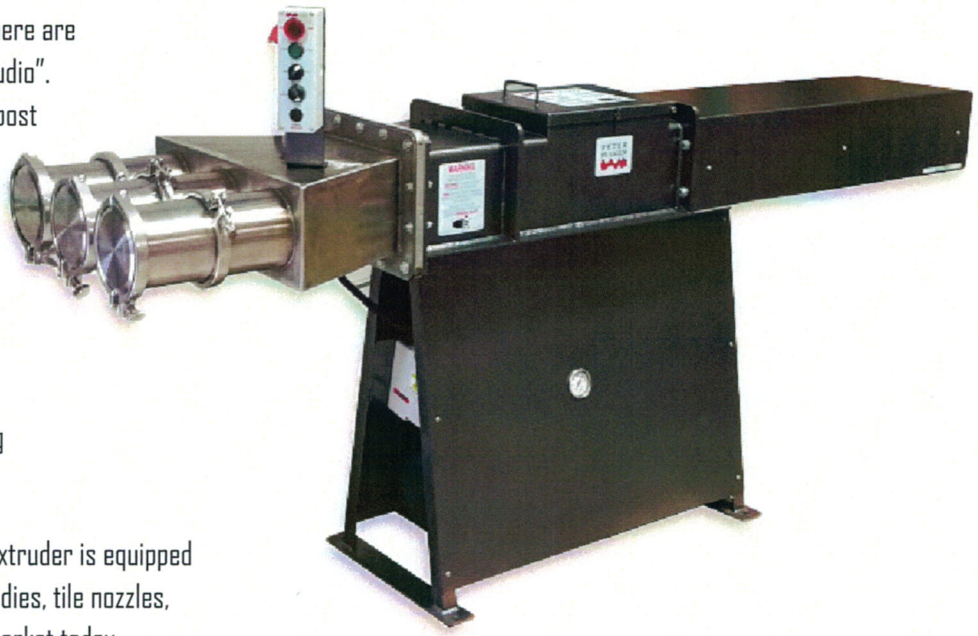
VPE-8SS STAINLESS STEEL VACUUM HYDRAULIC POWER EXTRUDER	
Maximum Batch Capacity	25lbs. (Options are available for larger capacities)
Hopper Door Size	Laser Cut Steel Frame w/High Temp Fiber Lining
Max Hydraulic PSI	3,000
Overall VPE-8SS Dims	15"W x 12"H x 48"L
Hydraulic Power Pak Dims	15"W x 12"H x 24"L
Vacuum Pump	1/3Hp, 3.8 amps at 120V
Shipping Weight	230lbs.
Motor	1/2Hp, 1 Phase, 3 amps at 120V, 1.8 amps at 240V (3Ph and 50Hz available)
Options	Adjustable Stand, Extrusion Dies, Pug Cutter, Adjustable Shelving, Custom Adapters

Production Power Extruders

The Peter Pugger Power Extruder is designed for high production extruding. Rapid retract control allows the operator to load blocks of clay directly into the extruder, close the door, and begin extruding stick liners, architectural molding, and various ribbon sizes directly from the adjustable nozzle.

FEATURES

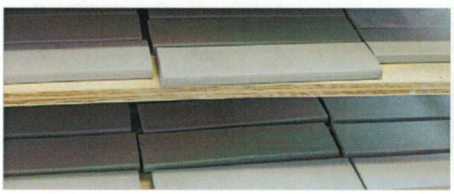
Variable Speed Control: This allows the operator the ability to speed up or slow down the extruder. This is especially useful when extruding through dies. Because of the back pressure generated by a large amount of clay being forced through a small orifice, the speed control allows the operator to slow the extruding as required. In turn, perfect configurations are easily extruded through the Power Extruder. There are additional advantages if you are a "single potter studio". The ability to slow the extruding allows for time to post process extruded shape.

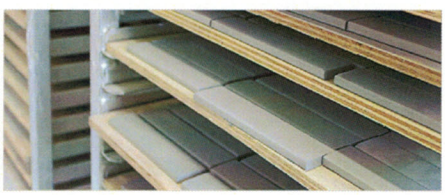


Stainless Steel: The Power Extruder is equipped with a stainless steel extruding chamber, which ensures rust - free clay processing.

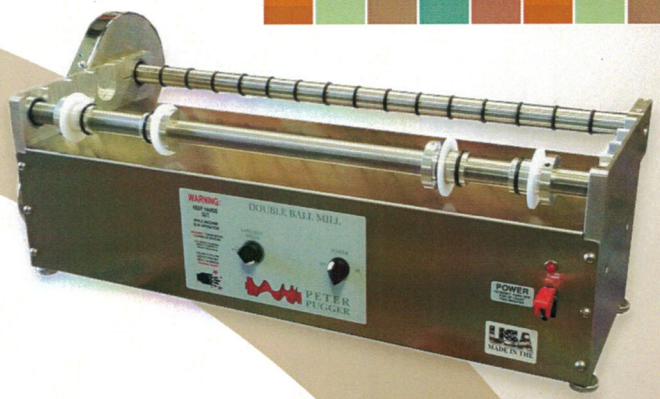
Large Hopper: The large hopper door opening allows for easy loading of clay per batch.

Versatile: The high pressure hydraulic power extruder is equipped to accommodate custom expansion boxes, custom dies, tile nozzles, etc., making it the most versatile extruder on the market today. This machine does not require air compressors and the maintenance typically surrounding air pneumatics. Simple and easy to use equals high production!





POWER EXTRUDER (STAINLESS)	
Maximum Batch Capacity	Multiple Options
Hopper Door Size	7" x 11"
Extrusion Size	Standard Adjustable Tile Nozzle with adapter plates
Dimensions	53H" x 16"W x 60"L
Crated Weight	300 lbs. (Ships LTL Trucking)
Vacuum Pump	N/A
Hydraulics/Electrical	Low Pressure - 8 amps at 120V / 6amp at 240V

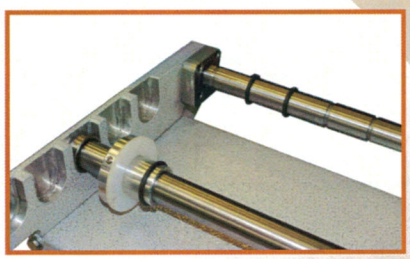


Single Ball Mill

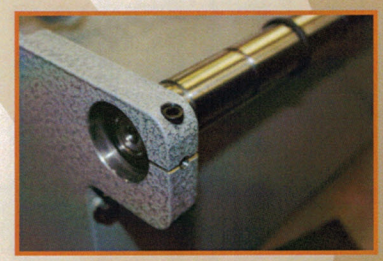
Double Ball Mill

Innovative design features, including variable speed control, inverter controlled drive for high electrical efficiency, drop-in slots for quick roller bar change-out, and easily acceptable roller shaft bands make Peter Pugger Ball Mills the first choice for small-scale to large-production milling.

Variable Speed



Drop in Roller Bar

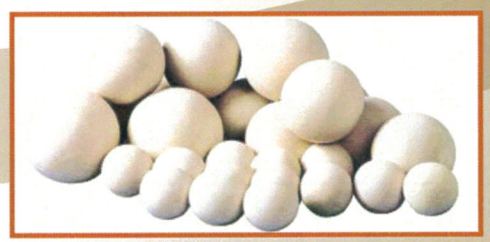


Shaft Band Change Out

	SINGLE BALL MILL	DOUBLE BALL MILL
Jar Capacity	3" Minimum Diameter up to 18" Maximum Diameter	3" Minimum Diameter up to 18" Maximum Diameter
Dimensions	15"H x 17"W x 22"L	15"H x 17"W x 36"L
Crated Weight	62 lbs. (Ships UPS/Fed Ex Ground)	80 lbs. (Ships UPS/Fed Ex Ground)
Electrical	1/4Hp, 1ph, 4 amps 120V, 2 amps at 240V	1/3Hp, 1ph, 6 amps 120V, 3 amps at 240V
**3-phase, 50Hz and other motors are available on special orders		

PORCELAIN BALL MILL JARS: MULTIPLE SIZES AVAILABLE

These deluxe ball mill jars are made of high quality porcelain and are designed to be used in conjunction with the Peter Pugger Ball Mill. The deluxe jars have a large mouth and thicker walls than standard jars. The capacity stated is the liquid capacity of the jar including the recommended amount of alumina grinding media. The deluxe ball mill jars come with an end cap and clamp.



GRINDING BALLS: 1/2", 3/4", 1", 1 1/4" DIAMETER BALLS AVAILABLE

These white alumina grinding balls are non-contaminating and assure thorough mixing and grinding. Typically a ball mill is filled to 55% with grinding balls.

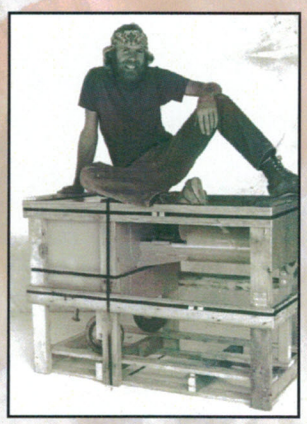
	VPM-7	VPM-7SS	VPM-9	VPM-9SS	VPM-20	VPM-20SS	VPM-30	VPM-60	PM-50	PM-100	VPM-30TE	VPM-60TE
FEATURES												
VARIABLE SPEED CONTROL	●	●	●	●	●	●	OPTION	OPTION	N/A	N/A	●	●
ADJUSTABLE STAND (SEE ACCESSORIES)	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	N/A	N/A	N/A	N/A	N/A	N/A
EXTRUSION DIES (SEE ACCESSORIES)	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	N/A	N/A	OPTION	OPTION
TILE NOZZLE COMPATIBLE	N/A	N/A	N/A	N/A	N/A	N/A	OPTION	OPTION	N/A	N/A	●	●
PUG CUTTER (SEE ACCESSORIES)	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	N/A	N/A	OPTION	OPTION
LOCKING KEY SWITCH (SEE ACCESSORIES)	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	N/A	N/A	N/A	N/A	N/A
PADLOCK SAFETY SWITCH (SEE ACCESSORIES)	N/A	N/A	N/A	N/A	N/A	N/A	●	●	●	●	●	●
VACUUM SYSTEM	●	●	●	●	●	●	●	●	N/A	N/A	●	●
120V ELECTRICAL AVAILABILITY	●	●	●	●	●	●	OPTION	N/A	N/A	N/A	N/A	N/A
208-240V ELECTRICAL AVAILABILITY	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	●	●	●	●	●	●
3 PHASE ELECTRICAL AVAILABILITY	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION
60HZ ELECTRICAL AVAILABILITY	●	●	●	●	●	●	●	●	●	●	●	●
50HZ ELECTRICAL AVAILABILITY	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION

About Peter Pugger...

The first Peter Pugger was born in 1973 in sunny San Luis Obispo, California. It was a collaboration of a then little known architect/potter named Gordon Motta and an even lesser known engineer named Randy Wood. These two researched, sought out, analyzed and visited every existing pugmill they could find - from studio models to industrial giants.

After many long nights of welding, cutting, banging, bending, consulting, and a little swearing, a very strange pugmill emerged, made mostly of recycled parts from abandoned garlic factory processing equipment.

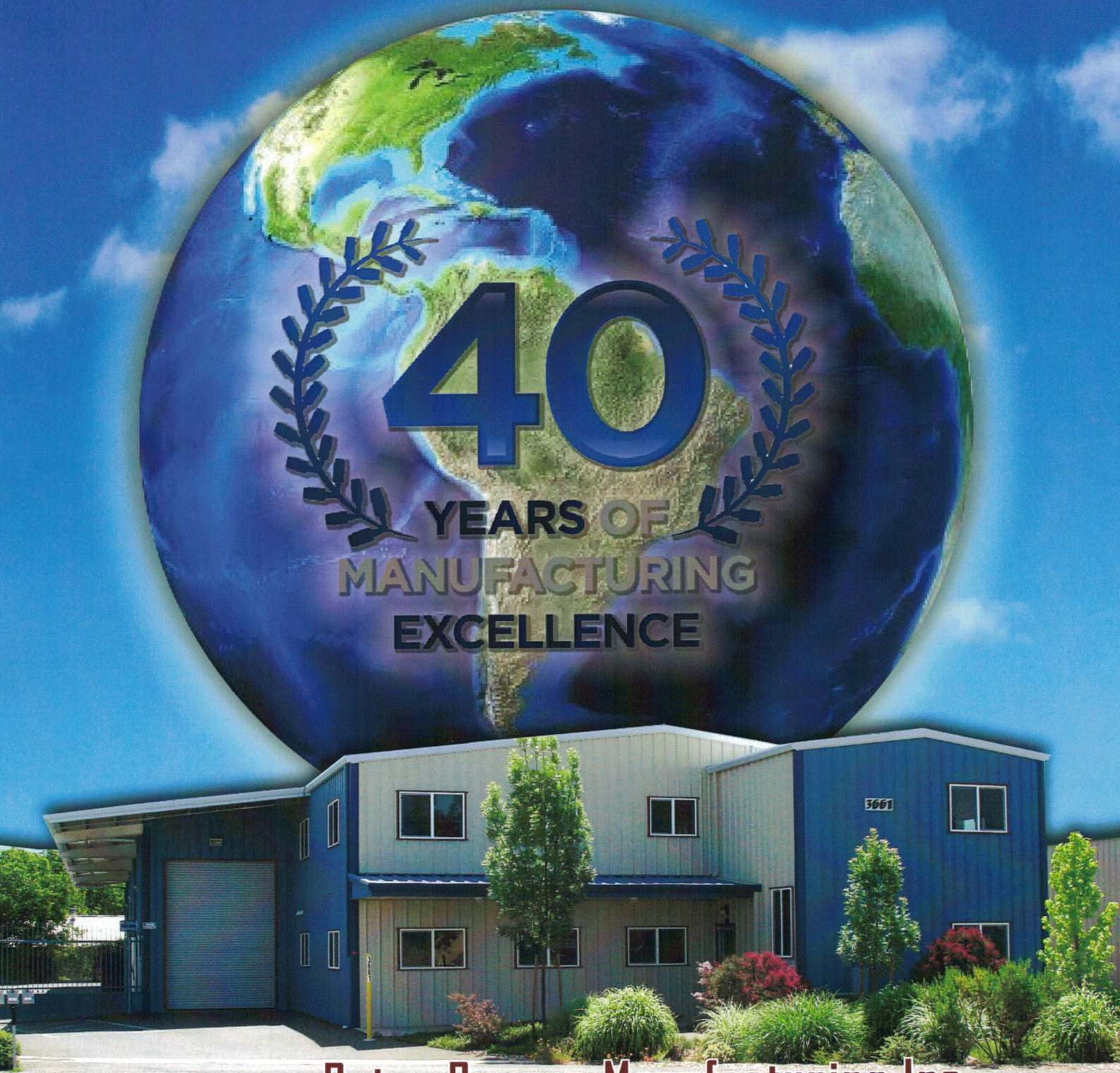
This long-nosed monstrosity was aptly named "Peter Pugger" by a friend with an active imagination. At that point no one imagined Peter Pugger would ever begin manufacturing. "If I had it to do over, I'm not sure I'd call it Peter Pugger", says Randy, "but it sure is a name people don't forget."



Gordon eventually moved back to the island of Hawaii where he grew up and became a now famous potter, leaving Randy the task of parenting "Peter." During the late 70s, while having made over a hundred long-nose puggers, Randy overheard a friend complaining that his pugmill wouldn't mix and his mixer wouldn't pug! Randy put his thinking bandana back on and realized digging clay out of a mixer and stuffing it back into a pugmill was a big waste of creative time and energy. By 1980, after several prototypes and much experimentation, Peter Pugger Manufacturing had its first patent and was well on its way to producing the first and ONLY pugger-mixer on the market. Sales started slow, but new owners were delighted with the ease of mixing and recycling, and word soon spread. As the pugger-mixers started showing their worth, more potters started asking about vacuum deairing. Was it not enough for a clay mixer to unload itself through a pugmill? Not for everyone. So Randy went back to work trying to add vacuum. This solution proved elusive. None of the conventional vacuum methods worked when mixing in a pugmill. Over the course of twelve years and after dozens of prototypes, Randy finally hit upon the exact combination that would work well, last a long time with low maintenance, and be perfectly safe and easy to operate -The Power Wedger was born.

What started out as a lark has turned into an organization producing various sizes of quality custom-crafted machines engineered for the long-term. Please contact us if you desire more information or wish to comment on our products.

Rugged, Custom Crafted Machines Engineered for the Serious Ceramicist



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