

2011-2012* Resource Action Plan Proposal Complete One for Each Activity/Project

Title Clay Mixer for Recycling Clay

Group Submitting Proposal Art Department- Ceramics

Contact Person Garrett Masterson

Date Submitted 9/30/2010

**Describe the Proposed Activity/Project
Include identification of the issue, evidence, recommendations developed as a result of program review
and student learning outcomes assessment.**

The ceramics program at Reedley College produces over 100 lbs. of clay scraps per week. This equals 1,800 lbs. of clay scraps per semester. A clay mixer is needed in the ceramics program to recycle the discarded clay. The clay is discarded by students in the form of slip, trimming scraps and failed projects. This clay could be reclaimed and re-used in the program rather than being thrown out (which would create a problem for Building Services as well as sending waste to our landfills unnecessarily.

This Resource Action Plan Proposal is for the purchase of a clay mixer capable of reconstituting clay scraps into usable clay. Students will benefit from this proposal in several ways. They will see a practical application of the Reedley College Goal to incorporate sustainability and green technology in an existing curriculum. They will be able to learn about and utilize the clay mixer to reconstitute their own clay scraps. The build up of clay scraps in the classroom creates space problems and creates a slip/trip/and dust hazard. Therefore, the use of this laboratory equipment will provide a cleaner, safer learning environment for students in the ceramics classes. The Art Department Program Review (section 3b) identified the need for a clay mixer to provide the students with a safe, clean, productive educational experience comparable to other college programs. An effective clay mixer is part of the technology of a contemporary ceramic arts program.

List the 2010-2011 College Goal(s) (by number)	List the 2008-09 Strategic Objective(s) (by number)	Project Timeline	Budget	Person(s) Responsible	Anticipated Outcomes (using the Performance Indicators)
2	2.3 3.1 3.3	July, 2011 - purchase mixer; August, 2011 - begin use	\$5808 Total \$5330 for mixer + \$478.37 tax	Garrett Masterson	2 3b, c, e 7a

* Funding Sources: Decision Package, Instructional Equipment, Perkins, New Faculty Positions

**Due September 30, 2010
Submit to Immediate Manager/Supervisor**

Printed: 9/29/2010 6:29:47 PM
Store: 1

Estimate
Ordered: 9/29/2010
Associate: Sysadmin
Page 1

Clay Mix

where earth becomes art

Clay Mix
1003 N Abby Street
Fresno, CA 93701
Phone 559.485.0065
www.clay-mix.com

Requested by: Reedley College, Ceramics
Attn: Accounts Payable 1525 E. Weldon Ave
Fresno, CA 93704

INSTRUCTIONS: Free freight.

Order Status: Open

Item Name	Item Description	AttributeSize	Order	Price	Ext Price	Tax
VPM-30 Vacuum Power Wedger	85 lbs.		1	\$5,330.00	\$5,330.00	T

Subtotal: \$5,330.00
Local Sales Tax 8.975 % Tax: + \$478.37
TOTAL: \$5,808.37

Thank you!

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DEAIRING MIXING/PUGMILLS

VPM-9 Power Wedger

VPM-20 Power Wedger

VPM-30 Power Wedger

VPM-60 Power Wedger

NON DEAIRING MIXING/PUGMILLS

PM-50 Pugger-Mixer

PM-100 Pugger-Mixer

ACCESSORIES

Extrusion Dies

Pug Cutter

TILE & MOLD MAKING EQUIPMENT

VPM-30TE Tile Extruding Pugmill

VPM-60TE Tile Extruding Pugmill

TM1700 Tile Production Pugmill

TM2700 Tile Production Pugmill

Power Extruder

25 Ton Studio Press

Manual Tile Cutter

Automatic Tile Cutter

Consulting

WHY PETER PUGGER?

How Peter Pugger is Different

Who Uses Peter Pugger?

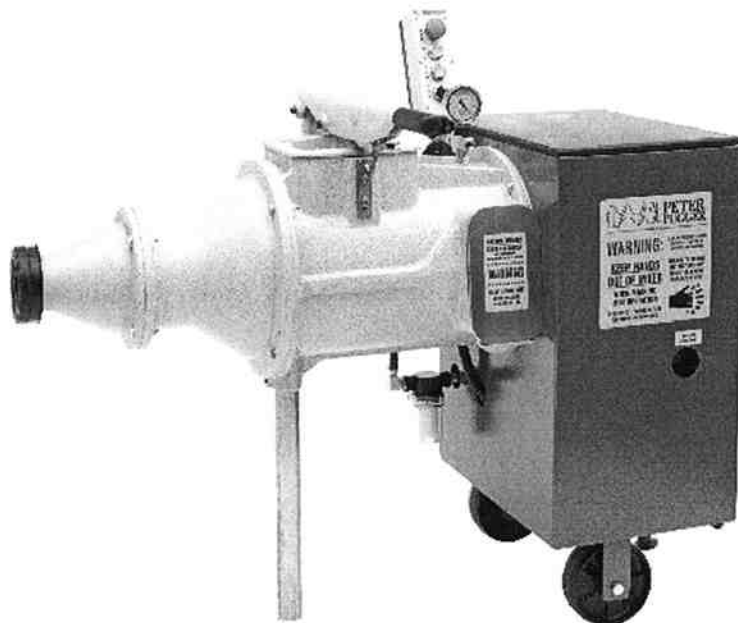
How Peter Pugger Works

What People Say

Guarantee

RECONDITIONED EQUIPMENT

Reconditioned Pugmills



VPM-30 Vacuum Power Wedger (85lb. Max. Batch Size) "The vacuum deairing Pugger-Mixer" 120V and 240V models available

FEATURES

Stainless Steel: Shaft, augers and paddles of stainless steel, along with aluminum mixing/pugging chamber, ensures rust-free clay processing.

Removable Paddles: The mixing paddle/auger assembly is removable for ease of cleaning

Large Hopper: The 8" x 8" hopper door opening allows for easy loading of up to 85 lbs. of clay per batch.

Batch Mixing Capability: Full batch mixing and blending capability allows for moisture adjustment before pugging.

Pugmill Output: Switch to PUG after a batch is completely mixed, and the Power Wedger unloads itself in the form of 3" diameter deaired logs.

Vacuum Deaired: Each batch can be deaired by starting the vacuum pump when the load is mixed. Air is removed during the last stage of mixing, leaving an air-free product when pugged out. **Our patented vacuum design allows us to deair the clay without the use of cumbersome vacuum screens!**

Sealed Chamber: Leaving moist clay in the Power Wedger is not a problem. All the openings are sealed so clay will stay moist indefinitely.

Intellectual Mixing Technology: Real-time monitoring of clay consistency can be accomplished while mixing. Similar to an automatic transmission, the Pugger-Mixer can automatically speed up or slow down based on the hardness of the clay being processed. The operator can also control the speed by controlling the variable speed knob.

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