

INSTRUCTIONAL EQUIPMENT REQUEST

RECEIVED

2016-2017

Internal Use

IE #: Fall 34

Total \$: 622.50

OCT 20 2016

VP ACADEMIC SERVICES
LAS POSITAS COLLEGE

Requester Name: Scott Miner Division Name: CATSS

SECTION 1: SUMMARY INFORMATION

Brief Title of the Request:

Propane Forge

Equipment Location Building: 800 Room: 810

SECTION 2: EQUIPMENT DESCRIPTION

The equipment is: A Replacement An Upgrade New Equipment/Technology

Describe the specific equipment requested and how it will be used to replace, upgrade or provide new technology to LPC from what is currently in place:

Propane forge, a propane fired furnace for heating small steel parts for purposes of artistic & Industrial blacksmithing operations. We currently use a welding or cutting torch to heat up the bars. The existing system is safe, but the operation is awkward, requires two people, and wastes a considerable amount of gas. The propane forge allows one person to use it at a time, or multiple students. This forge can use just one burner, or all three to help save gas.

If applicable, describe the legal requirement, mandate, or safety concern for purchase of this equipment, making specific reference to the legal requirement or regulation:

This forge allows us to change from Acetylene gas to Propane. In general, Propane gas is safer to handle and easier to obtain than Acetylene.

SECTION 3: LPC MISSION STATEMENT AND LPC PLANNING PRIORITIES

LPC MISSION STATEMENT:

LPC is an inclusive learning-centered institution providing educational opportunities and support for completion of students' transfer, degree, basic skills, career-technical, and retraining goals.

LPC PLANNING PRIORITIES:

- ❖ Establish regular and ongoing processes to implement best practices to meet ACCJC standards.
- ❖ Provide necessary institutional support for curriculum development and maintenance.
- ❖ Develop processes to facilitate ongoing meaningful assessment of SLOs and integrate assessment of SLOs into college processes.
- ❖ Expand tutoring services to meet demand and support student success in Basic Skills, CTE, and Transfer courses.

Specify how the equipment supports *LPC's Mission Statement and Planning Priorities:*

Mission - Supports transfer, CTE and retraining career goals.

Priorities - support for curriculum maintenance, opportunities to enhance the course SLO's in WLDT 71 & 79, expanding tutoring to support success of CTE and Transfer students in Welding and Engineering Technology

SECTION 4: EDUCATIONAL ITEMS – PROGRAM REVIEW

Specify the educational programs this equipment supports:

Welding Technology / Engineering Technology

If this equipment is included in your Program Review, please include the exact wording. If equipment is not included, explain why:

This Propane Forge is not specifically called out, but there are themes throughout our program review with respect to enhancements to safety and elimination of waste

SECTION 5: TEACHING AND LEARNING

Describe in detail the impact this equipment will have on teaching:

This will allow us to teach students how forging is supposed to be done, not our version using a welding or cutting torch

Describe in detail the impact this equipment will have on learning:

This will allow students to learn how forging is supposed to be done, not our version using a welding or cutting torch

Each academic year, this equipment will impact: 10 # of classes/sections 150 # of students

SECTION 6: OUTCOMES (SLOs)

Using your documented SLOs, specify how the equipment will enable student learning outcomes to be achieved?

Forging is a topic we specifically cover in 3-4 courses in lecture and for 2 courses in the lab. This specifically ties to one of our course level SLOs in our Manufacturing Processes course. Students have a capstone project that can include the use of forging.

What are the consequences related to learning outcomes if request is not funded?

We will continue as we have for the last 30 years using the cutting or welding torch for heating purposes.

SECTION 7: TOTAL COST OF OWNERSHIP (FINANCIAL & SUSTAINABILITY)

What is the potential life span of the requested equipment?

10-20 years, it has only one moving part, and the fire brick liner should last for years

If new storage is needed, describe the storage, location, and costs: (Specific storage costs should be detailed in the "Part A: Initial Start-up Costs" section below.)

N/A

What will be required to maintain the equipment, such as regular servicing or upkeep? (Specific on-going costs should be detailed in the "Part B: On-Going Annual Operating Costs" sections below as applicable.)

N/A

Explain how this equipment meets or exceeds basic sustainability efforts and/or provides renewable resources to the college:

Can be completely recycled at the end of it life span

Part A: Initial Start-up Costs

<u>Item</u>	<u>Cost</u>	<u>Comments</u>
Equipment or Materials	500.00	
Taxes (9.5%)	50.00	
Shipping or Delivery Charge	75.00	
Installation Costs *	0.00	
Miscellaneous Costs:		
Facilities Modifications		
Operator Training		
Maintenance & Repair Training		
Other:		
Vendor Discount		
Grand Total:	625.00	

Part B: On-Going Annual Operating Costs

<u>Item</u>	<u>Cost</u>	<u>Comments</u>
Annual Service or Maintenance		
Estimated Parts Replacement Per Year		
Outside Standardization or Calibration Costs		
Storage Costs		
New Supply Costs		
Miscellaneous Costs:	200.00	Propane
Maintenance & Repair Labor		
Other:		
Annual Operating Costs:	200.00	

Indicate the source of funding for on-going annual operating costs:

Department Supply budget

Part C: Incremental Labor Costs

OPERATOR:

Indicate the key operator: Students and Instructors

Is this in their current scope of duties? yes

Indicate cost to train key operator (include in Initial Start-up Costs above): 0

Indicate amount of time per month key operator will use equipment: 40 hours

MAINTENANCE & REPAIRS:

Indicate the person performing maintenance and repairs: Welding / Auto technician

Is this in their current scope of duties? yes

Indicate cost to train for maintenance and repairs: 0


Indicate amount of time per month maintenance will be required: 15 minutes

SECTION 8: APPROVALS


Funded requesters will be expected to respond to a brief RAC feedback survey by a requested deadline. Requests for computer-related equipment and printers must be reviewed by the LPC IT Department.

Signatures: 
Requester

10/17/16
Date

IT Department (if required)

Dean/Manager

Date
10/20/16


Vice President

10/24/16
Date



PH: 740-746-

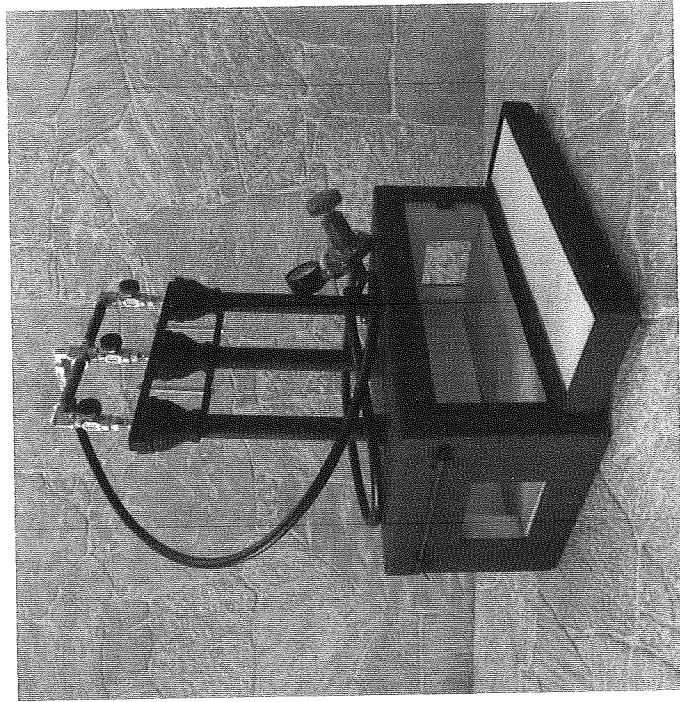
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SEARCH PRODUCTS

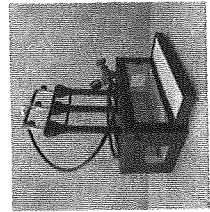
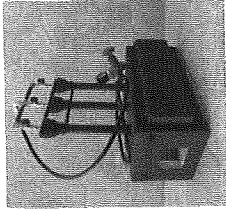
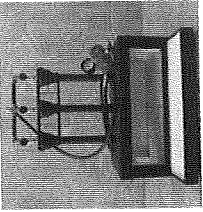
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3 BURNER FARRIER DELUXE

\$500.00

1

LP, PROPANE GAS, FARRIER,
KNIFE MAKER, GENERAL
PURPOSE FORGE.

Add to cart

This forge comes complete. All

SKU: 3BFD Category:
Farrier Forges

you need is an LP tank. Setup

usually takes less than 10
minutes and is very simple. Full
setup instructions are included.

With a little care the liners
normally last many years.

However if you should need to
replace the liner it only requires
removal of a couple pins and you
have full access to the liner.

"THIS FORGE HAS FULLY
ADJUSTABLE INDEPENDENT
PRECISION BRASS NEEDLE
VALVES AND ORIFICES for each

Product Description

This forge has a FACTORY RIGIDIZED VACUUM FORMED CERAMIC LINER on the top and sides, with the Dense high siliconized Ladle Brick on the bottom. This liner is made specifically for MAJESTIC FORGE to strict specifications. It has a Rigidizer applied at the factory for a hard durable interior surface, the liner is light in weight which makes it easier to move it to where you need to use it. This forge is great for the Farrier, knife maker or general blacksmithing, and all forge welding. Complete setup and adjusting instructions included. Orifices have height adjustments for different altitudes, humidity, wind, etc., that can affect the operation of atmospheric forges. It has all UL rated brass orifices, precision needle valves for burner adjustment, heavy duty adjustable regulator, hose, gauge, and fittings.

CONTACT US

burner, so you can control the heat where you need it, or use 1 burner for small items and conserve fuel which gives you precision control for each burner, and the option of using 1, 2, or 3 burners. Our most popular forge! It is the most versatile with openings on both ends for long items that can be passed through the forge & the wide insulated door allows odd shaped & already bent items to be inserted back into the forge.

"The forge will give you fast heat and obtains welding heat quickly.

The forge box is 18 1/4" long 9" deep and 7 1/2" high.

The interior heat chamber is 15" long 7 1/2" deep and 4 1/2" high.

With front opening 15" wide by 4 1/2" high.

It has 3" by 4" openings on both ends for working bar stock or

knife and sword making and long items.

LAS POSITAS COLLEGE Equipment, Apparatus and Service Requisition

FOR REIMBURSEMENT: List payee name & ssn. TAX ID#

SUGGESTED VENDOR: Majestic Forge
 NAME OF STAFF MEMBER: S. MUMER DATE WRITTEN: 8/2016 DIVISION/DEPARTMENT: WDT/KARSS
 equipment will reside: 810 For inventory purposes include room # where SMNOR RETURN COPY of REQUISITION TO: Ext#:

#R

FOR OFFICE USE ONLY

DESCRIPTION (PRODUCT, TYPE, SIZE, COLOR, STOCK NUMBER) UNIT QTY UNIT PRICE

3 BURNER FARMER FORGE

\$ -
\$ 500
\$ -
\$ -
\$ -
\$ -
\$ -
\$ -
\$ -
\$ -
\$ -
\$ -
\$ -
\$ -
\$ -
\$ -
\$ -

Comments:

Vendor Information/ Remit To:
Majestic Forge
740-746-9998
 Deliver To, include room # (optional):
S. MUMER
RM 810

Subtotal
 Tax
 Shipping (if available):

\$ 47.50
 \$ 50
 75

TOTAL COST

\$ 625

Original invoices and receipts must be attached for payment. Include current taxes unless incorporated in price.

ACCOUNT #

FUND ORG ACCT PROGRAM

Business Office

62250



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