

INSTRUCTIONAL EQUIPMENT REQUEST

Internal Use

2016-2017

IE #: Fall 36

Total \$: 2,905.58

RECEIVED
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:

Beveling Machine

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:

This is a piece of equipment use to put a bevel on the edge of a steel plate the student uses for welding certification testing. We currently use expensive Acetylene and Oxygen gasses to bevel the plates

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

N/A

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 - Used to support students in the area of Career Technical Education, transfer, degree and retraining goals.

Priorities - Replacement of the existing equipment provides the necessary institutional support to maintain curriculum. Meaningful course and program level SLO's are completed with the existing machines. The SLO's are to complete an Industry Standard Welding Certification Test. . The practice of the students in conjunction with coaching from others represents the CTE version of tutoring.

SECTION 4: EDUCATIONAL ITEMS – PROGRAM REVIEW

Specify the educational programs this equipment supports:

Welding Technology

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

"World Class Welding Instruction - Continuous Improvement"

"Extensive use of Welding Procedure Specifications (WPS) and Standardized Testing for Midterms and Finals in most courses"

"One area of constant concern and need is to make sure that the equipment we use in all of our CTE programs are safe to use and similar to that in our respective trade, so that students are prepared for the proper workplace environment"

SECTION 5: TEACHING AND LEARNING

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

This machine will allow teaching of current equipment used in industry will help prepare the students for current and future careers. The new equipment is simple and easy to teach a student to operate. The machine has the ability to bevel plates without gas that is also impossible to do with the existing machine.

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

This machine will allow learning on current equipment used in industry. Creates a better bevel faster , with less consumable costs. Increases the amount of work a student can do in the same lab time.

Each academic year, this equipment will impact: 50+ # of classes/sections 500+ # of students

SECTION 6: OUTCOMES (SLOs)

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

This equipment is used to complete COURSE level SLO's in more than 75% of the welding courses. This equipment is used to complete one of our three PROGRAM level SLO's as well. Passing an Industry Standard Welding Certification Test

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

We will continue to use equipment the uses flammable gasses . Students will continue to attempt weld testing using the older equipment.

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

What is the potential life span of the requested equipment?

10 years, it is a "durable good"

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.)

Minor occasional maintenance to change out carbide cutters, should operate trouble free for years

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

The machine is made from materials that can be 100% recycled at the end of its usable lifespan. The old machine will be 100% recycled. All of the Steel, Aluminum and Stainless Steel that students use with this machine is recycled as well.
The new machine uses no flammable gasses.

Part A: Initial Start-up Costs

<u>Item</u>	<u>Cost</u>	<u>Comments</u>
Equipment or Materials	2,585.00	
Taxes (9.5%)	250.00	
Shipping or Delivery Charge	75.00	
Installation Costs *	0.00	Instructor & Technician installed
Miscellaneous Costs:		
Facilities Modifications		
Operator Training		
Maintenance & Repair Training		
Other:		
Vendor Discount		
Grand Total:		2,910.00

Part B: On-Going Annual Operating Costs

<u>Item</u>	<u>Cost</u>	<u>Comments</u>
Annual Service or Maintenance	0.00	
Estimated Parts Replacement Per Year	0.00	
Outside Standardization or Calibration Costs	0.00	
Storage Costs	0.00	
New Supply Costs	0.00	
Miscellaneous Costs:	100.00	carbide inserts and oil
Maintenance & Repair Labor		
Other:		
Annual Operating Costs:		100.00

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 & Instructors

Is this in their current scope of duties? Complete Educational Goals

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: 160+ Hours

MAINTENANCE & REPAIRS:

Indicate the person performing maintenance and repairs: Welding/Auto Department 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: less than 15 minutes

SECTION 8: APPROVALS

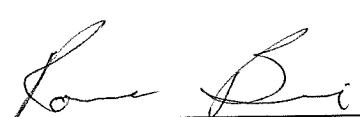
Funded requesters will be expected to respond to a brief RAC feedback survey by a requested deadline. Requests for computer-related equipment and printers must be reviewed by the LPC IT Department.

Signatures: 
Requester

10/17/16
Date

IT Department (if required)

Dean/Manager

10/20/16
Date


Vice President

10/24/16
Date

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\$2,585.00
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Some rules and restrictions may apply. [See details](#)

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Extra Savings	\$0.00
Subtotal	\$2,585.00
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