

### **INSTRUCTIONAL EQUIPMENT REQUEST**

# Due in Dean/Unit Head's Office on September 9, 2011 (FALL) and March 1, 2012 (SPRING)

Name of requestor:

Scott Miner

**Division/Unit**:

BCATSS - Welding Technology

**Building location: 800/810** 

Brief title of request:

Machine Repair - Welding Power Source

Request amount \$2500

Copy of quote(s)/estimate(s) attached: Yes

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Description of the specific equipment or materials requested:

Repair of welding power source damaged by student improper use/abuse.

Machine is less than 5 years old and replacement cost \$6000-7000.

Student did something they were specifically instructed not to do, thus impacting the learning of all that followed.

# What educational programs or institutional purposes does this equipment support? Is this in your Program Review?

Yes, a Program Development form specifically notes periodic equipment repair as a program need. Furthermore, the program review speaks specifically to the need to create a safe environment for students that meets current industrial standards.

Is it a replacement? REPAIR

**Upgrade? REPAIR** 

New technology? NO

How does the equipment replace, upgrade or provide new technology to the college? What do you currently have in place?

Repair of welding power source damaged by student improper use/abuse.

Machine is less than 5 years old and replacement cost \$6000-7000. Lifespan 20+ years

Student did something they were specifically instructed not to do, thus impacting the learning of all that followed.

# What are the estimated ongoing costs and are there potential savings?

This is a one time expense to repair this machine, and to this point the machine had been trouble free and needed little maintenance

For evaluation criteria, please see corresponding Instructional Equipment Rubric.

Instructional and Service Impact

How will this item have a positive impact on instruction and/or teaching and learning at the College?



This request will repair equipment that serve a diverse student body. This will not by itself bring more students into the class environment. It will however impact most greatly those that already have found their way to the program by having more reliability and, in the short term, more capacity to deliver student success.

### Impact on Enrollment

Will the equipment impact enrollment capacity, increasing the number of students participating in a course or program?

This equipment will replace aging equipment and serve a diverse student body. This will not by itself bring more students into the class environment. It will increase success with respect to course and program SLO's.

### Access

How does this item promote the principles of universal design which provides students with diverse learning styles, multiple and flexible means of: acquiring information and knowledge; demonstrating what they know; and engaging, challenging and motivating students to learn? How does this provide opportunities for under-represented populations?

This equipment is capable of being used by every student in every class including ones that have disabilities and language barriers. This equipment exemplifies the "learn by doing" concept. This equipment helps simplify a difficult student learning outcomes, passing industry standard certification tests. (Course & Program SLO)

### **Outcomes**

How will equipment enable student learning outcomes to be achieved? What are the consequences related to learning outcomes if request is not funded?

This equipment enhances student learning outcomes.

This equipment does a great job helpong student meet their course and program goals. The student will increase their chance for success, as well as completing course and program SLO's. If not funded, we will continue to use what we have to the best of our ability. We have other means to teach similar concepts on existing 30 year old equipment.

## Sustainability

What is the lifespan of requested equipment? Will it need to be replaced in 5 years? 10 years? 20 years?

20+ years or more based on current equipment usage

### Facility Accommodation/Maintenance

- 1) Is there sufficient current/planned space available for the storage and use of this equipment? If so, where will it be housed? If not, is there a proposed location and are there any costs associated with installation or modifications to the space? REPAIR OF EXISTING EQUIPMENT
- 2) What will be required to maintain the equipment, such as regular servicing or upkeep? Who will perform maintenance, are what will the estimated costs be? MAINTAINED BY CENTRAL TOOLROOM STAFF AND WELDING FACULTY

### Visibility/Profile within Community

Is this a "flagship" item that will bring recognition/notoriety to the College or raise the stature of the program? Will it attract students and/or enhance the image of the College in the community because of its rare, one-of-a-kind status?

While it clearly is not a "flagship" item, it would be a nice item to have repaired



Leadership in Energy Efficient Design (LEED)

Does this equipment exceed basic sustainability goals and provide renewable resources to the College? Is the design/operation of this item in keeping with the College's commitment to sustainable practices?

Yes, It runs on electricity. It emits no Carbon Dioxide - zero carbon footprint. It is made from metal and can be completely recycled at the end of its usable life span. It increases the lifespan of student materials, thus decreasing the amount of waste generated within the department/campus. It is a durable good and is expected to last more than 20 years.

Signatures ( <u>required</u> )	
Requested by Broth A MINES   LPC Business Office Use	Vice President Moble  Vice President Moble  Vice President Moble

# LAS POSITAS COLLEGE Equipment, Apparatus and Service Requisition

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3			FO XOT	FOR OFFICE USE ONLY
NAME OF STAFF MEMBER   DATE WRITTEN   DATE REQUIRED   DIVISION/ DEPARTMENT   For inventory purposes include room # where Scott Miner   1-Mar-12   BCATSS / Welding   equipment will reside:	oom # where		RETURN COPY of REQUISITION TO: S.Miner / C.McCauley	Cauley
DESCRIPTION (PRODUCT, TYPE, SIZE, COLOR, STOCK NUMBER)	TINO	QTY	UNIT PRICE	TOTALS
mast				\$
Repair aux power board	LOT	1	\$ 975.00	\$ 975.00
Repair control board and IGBT's	LOT	1	\$ 2,250.00	\$ 2,250.00
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				ı \$
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				- \$
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Vendor Information/ Remit To: Deliver To, include room # (optional):				•
Cassimus Company - Mark Cassimus				т <del>6</del>
14492 Wicks Blvd.				4
San Leandro, CA 94577-6776				· •
Tel: (510) 352-6700 Fax: (510) 352-1103				. ↔
Comments:	Subtotal			\$ 3,225.00
Written Estimate Attached	Тах		\$ 0.0875	\$ 282.19
BT#	Shipping (if available):	g (if av	ailable):	
Original invoices and receipts must be attached for payment. Include current taxes unless incorporated in price.	_		TOTAL COST	\$ 3,507.19
ACCOUNT # FUND ORG ACCT PROGRAM	Business Office	s Offic	υ	
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MACHINE REPAIR

# **CASSIMUS**

# **COMPANY**

FAX TRANSMITTAL

Date: 2/24/12

Number of pages incl. cover sheet

To: From:

Company: Las Positas Colledge Mark Cassimes

Attention: James Wesper Phone #: 510-352-6700

Fax #: (925) 424-1802 Fax #: 510-352-1103

REMARKS: Urgent C For your review ☐ Reply ASAP C Please comment Diagnosia on LH ceiro Miller Dyparty 350 as you stated the marking shuts down as soon as applied to the output terring checked and tented the enterface (display board) the I 2 central trainfor The enget restifier The unit digitage HELP24 for a fraction of as assent before there is a will on the control circle The two remaining possible problems are PC6 auxiley power board on the main control board with both IGBT's also being replaced. Repen involving any power board appear 975 Regard involving the control board + IGBT approx 22509 Will perform final tests tomorrow!