INSTRUCTIONAL EQUIPMENT REQUEST 2021-2022

LPC ADMINISTRATIVE SERVICES - REQUISTION INFORMATION PAGE

Internal Use
IE #:2021-19
Total $: 6,503.65

Requester Name: Scott Miner - Welding Faculty **Division Name:** PATH

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

SECTION 1: EQUIPMENT DESCRIPTION

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 new equipment and technology for our department.
This request is for a engine driven welding power source that is typically found in a construction environment.
Specifically this welding machine or power supply is designed to operate in a location where utility power in an electrical plug is not available.
This is unlike any of the other equipment that we have in the shop that plugs into the wall.
This equipment is versatile and allows multiple welding processes, while not being subjected to locations within reach of a plug as we typically find on a construction site, farm, ranch, or other outdoor area or park.

Equipment Location Building: L800 **Room:** 810

Location Comments:

This will be stored in an outdoor container located adjacent to the welding shop do the fact that it contains gasoline in it tank and we would not want that located within the existing welding shop. This equipment is typically designed to operate outdoors or in an outdoors like environment. It is our intentions to use this equipment exclusively in the outdoor welding yard.

SECTION 1: EQUIPMENT DESCRIPTION (continued)

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

These are industry standard pieces of equipment that contain the necessary safety equipment required by OSHA to operate in an industrial environment like our welding shop. This is the same equipment that employers in industry partners use on the job, and as were expected by OSHA inspectors if they were to be on the site or inspect our laboratory. This equipment allows work in an outdoor environment in a safe way, without trying to run miles and miles of extension cord to the work location. This is industry standard equipment.

SECTION 2: LPC MISSION STATEMENT AND LPC PLANNING PRIORITIES

LPC MISSION STATEMENT:

Las Positas College provides an inclusive, learning-centered, equity-focused environment that offers educational opportunities and support for completion of students' transfer, degree, and career-technical goals while promoting life-long learning.

LPC PLANNING PRIORITIES:

- **Implement the integration of all ACCJC standards throughout campus structure and processes.**
- **Establish a knowledge base and an appreciation for equity; create a sense of urgency about moving toward equity; institutionalize equity in decision-making, assessment, and accountability; and build capacity to resolve inequities.**
- **Increase student success and completion through change in college practices and processes: coordinating needed academic support, removing barriers, and supporting focused professional development across the campus.**

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

This equipment provides Las Positas College welding students in inclusive, learning Center, equity focused environment that offers education opportunities in support for completion of students transfer, degree, and career technical goals while promoting lifelong learning.
Use of this specific equipment will increase student success in completion through improvement in college practices in processes, coordinating needed academic support, removing barriers to learning, and supporting professional development activities for welding faculty.

SECTION 3: EDUCATIONAL ITEMS – PROGRAM REVIEW

Specify the educational programs this equipment supports:

This supports welding technology and manufacturing students.
This supports the shop Ironworkers apprenticeship program on campus
This equipment is also used by engineering technology students as well.

Will this equipment be a part of your upcoming Program Review or was it included last year? Please explain using the exact words from your Program Review. If not, explain why.

Our program review always discusses the need for staying current with industry trends and providing students with a safe working environment that encourages learning. This equipment will address both of those needs. This equipment will provide students with an ~~opera Tunity~~ opportunity to use a engine driven generator type welding machine that is typically found in a construction environment similar to the type of work that the shop ironworker apprenticeship program on our campus trains students for. Our program review also discusses the needs in future plans for us to move into a new facility on campus in this equipment will complement those plans.

SECTION 4: TEACHING AND LEARNING

In detail describe evidence and data that equipment provides much needed benefit and enhancement to teaching beyond current capabilities.

We currently do not have the capacity to show students how to perform welding with this type of equipment.
Many employers in entry level positions within construction require students to use this type of equipment and our current training program does not provide that and as such is a short coming in what we do. While there is no need to have one of these for every single student in of course it is important for a student to be able to be exposed to and have the opportunity to try to operate and understand how equipment like this function which is very different than the normal materials and equipment that we have in our indoor welding lab. this type of equipment allows welding to be performed in a remote location not tied to Or needing a plug or utility power. This is the type of equipment that we would see used in farms ranches and wineries around the tri Valley. This is the same type of equipment that is used to perform maintenance and repairs on the wind turbines we see dotting our local Hillside. This is the type of equipment that will get a broken earthmover in the middle of nowhere back up and running.

Describe in detail the impact this equipment will have on <u>learning:</u>

We currently have no equipment like this so the impact is huge.
Having something like this will add a new dimension to our workspace, and also provide our fellow ironworker apprenticeship program participants the opportunity to use equipment similar to what they have on their ironworker job site and construction locations.

Each academic year, this equipment will impact: 30 **____ # of classes/sections** 150 **____ # of students**

SECTION 5: OUTCOMES (SLOs)

Using your documented SLOs, specify how the equipment will enable student learning outcomes to be achieved beyond current capability.

Approximately 75% of our courses require a student to perform a industry standard welding certification test.
This equipment can be used to perform those certification tests.
Specifically this can be used to test students in an outdoor environment similar to what they might be exposed to any job conditions where it might be new construction or a cross country pipeline application. This tool would be a great adventure to our learning laboratory both of our current location in at our new laboratory with covered outdoor space. This will provide a learning opportunity not just for students but also for full-time in adjunct faculty as well.

SECTION 6: TOTAL COST OF OWNERSHIP (FINANCIAL & SUSTAINABILITY)

What is the potential life span of the requested equipment?

The current equipment that we have that is similar to this has lasted more than 25 years with minimal repair maintenance or upkeep.

If new storage is needed what are the storage requirements, location requirements, and costs associated with the new equipment: (NOTE: Specific storage costs should be detailed in the "*Part A: Initial Start-up Costs*" section below.)

None, the equipment would be on a roller cart and housed in a container adjacent to our welding lab and welding yard.

If this equipment replaces old equipment but the old equipment will not be retired, are there on-going storage requirements, location requirements, and costs associated with the old equipment? If so, provide details.

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.)

Since this piece of equipment has an engine in it it is similar to a car and probably needs to have its oil changed every 6 months. It would need to be fueled up with gasoline on occasion as well

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

This equipment is made out of metals which makes it entirely recyclable at the end of it to usable lifespan. It has the ability to be deconstructed and separated out into recyclable materials of different types. This type of equipment is used to manufacture all of the pressure components within a modern day power plant.

Part A: Initial Start-up Costs

Item	Cost	Comments
Equipment or Materials	5900	
Taxes (9.5%)	605	
Shipping or Delivery Charge	205	
Installation Costs *		
Miscellaneous Costs:		
Facilities Modifications		
Operator Training		
Maintenance & Repair Training		
Storage		
Other:		
Vendor Discount		
Grand Total:	~~6505~~ 6,710.	

Part B: On-Going Annual Operating Costs

Item	Cost	Comments
Annual Service or Maintenance	100	Oil & filters
Estimated Parts Replacement Per Year		
Outside Standardization or Calibration Costs		
Storage Costs		
New Supply Costs		
Maintenance & Repair Labor		
Licensing or Software		
Other: Fuel	200	Gasoline
Annual Operating Costs:		

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

Welding department supplies budget.

Part C: Incremental Labor Costs

OPERATOR:

Indicate the key operator: LPC welding student

Is this in their current scope of duties? Yes

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

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

MAINTENANCE & REPAIRS:

Indicate the person performing maintenance and repairs: Welding lab technician

Is this in their current scope of duties? Yes

Indicate cost to train for maintenance and repairs: Zero

Indicate amount of time per month maintenance will be required: Less than one hour per month

SIGNATURE 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 will be reviewed by the LPC IT Department.***

REQUESTOR	DIVISION DEAN/MANAGER	ADMIN SERVICES, VP
Scott Miner		
Date 9/22/2021	Date 9/21/21	Date

Admin Services will route as needed

IT MANAGER	M&O DIRECTOR
Date	Date

LAS POSITAS COLLEGE

Office of Administrative Services

(Walt 5-10s)

Reset | Submit

Requisition Request Form

R_____-_____

Fiscal Year	Vendor ID #	Vendor Name	Date Required
21-22		AIRGAS	FALL 2021

Deliver To	Room #	Return Copy of Requisition To
SCOTT MINER	810	PATH DIVISION OFFICE / S. MINER

Seq	Item #	Description	Qty	Unit Price	Extended Cost
1	LINK2382-4	RANGER 250 GXT	1	5899	$ 0.00
2					$ 0.00
3					$ 0.00
4					$ 0.00
5					$ 0.00
6					$ 0.00
7					$ 0.00
8					$ 0.00
9					$ 0.00
10					$ 0.00
11					$ 0.00
12					$ 0.00
13					$ 0.00
14					$ 0.00
15					$ 0.00

Comments		
$6503.65	Subtotal	5899 $ 0.00
	10.25% Tax	604.65
	Shipping	-0-
	Total Cost	$ 0.00

FOAP to be Charged	%	Amount
- - -	100	6,503.65
FUND ORG ACCOUNT PROGRAM		
- - -		
FUND ORG ACCOUNT PROGRAM		

Scott A Miner 9/8/2021
Requestor (print name) *Date*

Erick O. Bell 9/22/21
Dean (signature) *Date*

Coordinator/Manager (signature) *Date*

Kristina Whalen 9/23/21
Vice President (signature) *Date*

OFFICE OF ADMINISTRATIVE SERVICES USE ONLY

Reviewed: _____ *Administrative Services*
Verified: _____ *Administrative Services Officer*
Approved: _____ *VP, Administrative Services*

PO Number: _____ Budget Transfer #: _____ Entered: _____

TR 4/6/20

Airgas
an Air Liquide company

AIRGAS USA, LLC
6849 DUBLIN BLVD
DUBLIN CA 94568-3031
T: 925-828-2071
F: 925-833-7241

QUOTATION

YOU CAN PLACE THIS ORDER ON **WWW.AIRGAS.COM**

Quote For: 2117772
SCIENCE DEPT 1812
LAS POSITAS COLLEGE
3033 COLLIER CANYON RD
LIVERMORE CA 94551-9797
T: 925-424-1331

Sold To: 2117772
SCIENCE DEPT 1812
LAS POSITAS COLLEGE
3033 COLLIER CANYON RD
LIVERMORE CA 94551-9797
T: 925-424-1331

Quote Number	2010240878
Quote Date	09/08/2021
Prepared By	Robert Heath
Contact Phone	+1 925-828-2071
PO Number	
Release Number	
Ordered By	Scott Miner 925-352-0239

Item	Material/Description	Plant	Order Qty	UM	Vol/Wt	UM	Unit Price	UM	Ext Price
10	**LINK2382-4**	W503	1	EA			5,899.00	EA	5,899.00
	WELDER RANGER 250 GXT ENGINE DRIVEN WITH ELECTRIC FUEL PUMP								(H)
	Shipping & Handling								175.20
	Airgas Hazmat Charge (H) - see Itemized Charges on reverse or visit www.Airgas.com/terms-of-sale								29.60

Incoterms	Airgas Truck
Shipping Method	Airgas Truck
Payment Terms	NET 30

Quote Amount	6,103.80
Sales Tax	608.22
Quote Total	6,712.02

PLEASE REFER TO THIS QUOTATION WHEN ORDERING.
TERMS AND PRODUCT PRICING ARE VALID UNTIL 10/07/2021
SURCHARGES, TAXES & FREIGHT MAY NOT BE INCLUDED OR MAY CHANGE AT TIME OF BILLING.

Airgas reserves the right to decline or cancel any order at any time prior to shipment. For more information about returns and cancellations, please visit us online at Airgas.com/terms-of-sale.

Comments :