

INSTRUCTIONAL EQUIPMENT REQUEST 2021-2022



LPC ADMINISTRATIVE SERVICES - REQUISITION INFORMATION PAGE

Internal Use

IE #: 2021 -07

Total \$: 1914.44

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:

A quantity of two, portable carts regulators and hoses used for Gas welding and cutting of carbon steel in and around the welding lab environment. These two carts will supplement the existing two carts that we have so that we are able to double our capacity of students using the same equipment at the same time. We currently have only two stations for gas welding and cutting and this creates a bottleneck when we are working on specific projects activities and assignments. This is one of the basic processes we use for cutting steel.

Equipment Location Building: L800

Room: 810

Location Comments:

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 provides the only safe way to transport gas and oxygen bottles around the lab in a safe manner so that they are readily usable for welding and cutting applications.

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 also increase capacity that will provide more opportunities for students to use the equipment by doubling the stations available to perform this work. Our program review discusses the needs of our program in the future as we enter a new facility, and this equipment supports that as well

SECTION 4: TEACHING AND LEARNING

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

This equipment will allow us to double our current capacity of two workstations to four workstations. In a class with 24 students that is a huge improvement, and allows us to throughput many more students in a given laboratory or class. The current equipment that we are using is in excess of 25 years old. While the current equipment still functions OK it is nearing the end of its usable lifespan, and the college has gotten more than its money's worth out of the existing pieces of equipment. We feel that our department is an exceptional steward of college assets and maintains them and takes care of them in such a way to extend their longevity and useful lifespan.

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

We currently have only two workstations that provide opportunities for students to do this work, this will allow us to double our capacity to four, in a classroom that normally contains 24 students. Imagine offering an assignment that required students to cut paper. But in the class of 24 you only had two pairs of scissors. Getting those two pairs of scissors around to each of the 24 students to use becomes challenging and part of the assignment just managing the equipment. We can understand what the class would be like and what improvement would be in place if the same class had four pairs of scissors to use. We have two pairs of scissors so to speak, and we are looking to acquire two more.

Each academic year, this equipment will impact: ³⁰ _____ # of classes/sections ¹²⁵ _____ # 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 upon completion of the course. While the equipment described here does not specifically play a role in performing the test, the equipment contained within this request is vitally important to the preparation of the material used for the test. This equipment can also be used to for fill the student learning outcomes in our welding for the arts class, as these are P popular pieces of equipment for use in making welded art and welded sculpture, which is a student learning outcome in the art class. Welding workplace safety is one of our program learning outcomes, in this equipment support in teachers that ever important welding workplace safety.

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.)

This equipment is just two carts that will be rolled inside or stored within the area inside of the existing welding lab and no additional storage space or requirements are necessary.

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.

The old equipment is not going to be retired because we are trying to double our capacity from two units to four units, and rolling two additional carts into the shop or two room will not be or provide any additional burden.

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.)

This equipment is rugged reliable industrial grade tool. The existing equipment that we have that is similar to this has not required much in the way of maintenance or upkeep over the span of 25 years. I would expect this new equipment to operate or perform similarly and not require any substantial maintenance for many years to come.

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

This equipment is made entirely of recyclable materials and at the end of its usable lifespan can be deconstructed into recyclable items which can be reused. This equipment is also used for preparation of pipe tubing and other components used in modern power plants and energy generation facilities and as such supports those efforts. This type of equipment is what helps keep the lights on and provides utilities with power.

Part A: Initial Start-up Costs

<u>Item</u>	<u>Cost</u>	<u>Comments</u>
Equipment or Materials	1600	
Taxes (9.5%)	165	
Shipping or Delivery Charge	150	
Installation Costs *		
Miscellaneous Costs:		
Facilities Modifications		
Operator Training		
Maintenance & Repair Training		
Storage		
Other: _____		
Vendor Discount		
Grand Total:		1915

Part B: On-Going Annual Operating Costs

<u>Item</u>	<u>Cost</u>	<u>Comments</u>
Annual Service or Maintenance	0	
Estimated Parts Replacement Per Year		
Outside Standardization or Calibration Costs		
Storage Costs		
New Supply Costs		
Maintenance & Repair Labor		
Licensing or Software		
Other: _____		
Annual Operating Costs:		

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

[Empty box for funding source]

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: Zero

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

SM

Date 9/8/21

DIVISION DEAN/MANAGER

Erick O. Bell

Date 09/17/2021

ADMIN SERVICES, VP

[Empty signature box]

Date [Empty date box]

Admin Services will route as needed

IT MANAGER

[Empty signature box]

Date [Empty date box]

M&O DIRECTOR

[Empty signature box]

Date [Empty date box]



Office of Administrative Services

(Wait 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	ANT2-165	CART	2	339 ⁰⁰	678 \$ 0.00	
2					\$ 0.00	
3	VIC0781-3626	REGULATOR	2	210 ⁰⁰	420 \$ 0.00	
4					\$ 0.00	
5	VIC0781-3628	REGULATOR	2	210 ⁰⁰	420 \$ 0.00	
6					\$ 0.00	
7	RAD64003325	HOSE	2	41 ²⁰	82 ⁴⁰ \$ 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					Subtotal	1600.40 \$ 0.00
<div style="font-size: 2em; font-weight: bold;">\$1914.44</div>					10.25% Tax	164.04
					EST Shipping	150 ⁰⁰
					Total Cost	\$ 0.00
FOAP to be Charged					%	Amount
					100	\$1,914.44
FUND	ORG	ACCOUNT	PROGRAM			
-	-	-	-			
FUND	ORG	ACCOUNT	PROGRAM			
-	-	-	-			

<u>SCOTT A MINER</u>	9/8/2021	<u>Erick O. Bell</u>	09/17/2021
Requestor (print name)	Date	Dean (signature)	Date
<u>Kristina Whalen</u>		<u>Kristina Whalen</u>	9/22/21
Coordinator/Manager (signature)	Date	Vice President (signature)	Date

OFFICE OF ADMINISTRATIVE SERVICES USE ONLY

Reviewed: _____	Verified: _____	Approved: _____
<small>Administrative Services</small>	<small>Administrative Services Officer</small>	<small>VP, Administrative Services</small>
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: 211772
SCIENCE DEPT 1812
LAS POSITAS COLLEGE
3033 COLLIER CANYON RD
LIVERMORE CA 94551-9797
T: 925-424-1331

Sold To: 211772
SCIENCE DEPT 1812
LAS POSITAS COLLEGE
3033 COLLIER CANYON RD
LIVERMORE CA 94551-9797
T: 925-424-1331

Quote Number	2010256391
Quote Date	09/08/2021
Prepared By	Robert Heath
Contact Phone	+1 925-828-2071
PO Number	
Release Number	
Ordered By	

Item	Material/Description	Plant	Order Qty	UM	Vol/Wt	UM	Unit Price	UM	Ext Price
10	ANT2-16S CART LARGE DUAL CYLINDERS SIZE 330 OXYGEN AND 420 ACETYLENE TANKS 16" SOLID RUBBER WHEELS CONTINUOUS HANDLE LOW RAIL FRAME	W503	2	EA			339.00	EA	678.00
20	VIC0781-3626 REGULATOR ESS32-150-540 EDGE 2.0	W503	2	EA			210.00	EA	420.00
30	VIC0781-3628 REGULATOR ESS32-15-510 EDGE 2.0	W503	2	EA			210.00	EA	420.00
40	RAD64003325 HOSE 1/4" X 25' TWIN WELDING GRADE R BB	W503	2	EA			41.20	EA	82.40
50	VIC0781-3628 REGULATOR ESS32-15-510 EDGE 2.0	W503	2	EA			292.00	EA	584.00
Shipping & Handling									140.20

IncoTerms	Airgas Truck
Shipping Method	Airgas Truck
Payment Terms	NET 30

Quote Amount	2,324.60
Sales Tax	224.44
Quote Total	2,549.04

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 :