

INSTRUCTIONAL EQUIPMENT REQUEST

2021-2022



LPC ADMINISTRATIVE SERVICES - REQUISITION INFORMATION PAGE

Internal Use

IE #: 2021-20

Total \$: 99,858.97

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 a request for a new equipment and new technology
This is equipment to build a pipe welding work cell.
The work cell consists of three components:
The pipe welding power source
The welding torch manipulator
A positioner for rotating a pipe

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:

This pipe welding set up is designed to fabricate pipe safely according to established industry standards and specifications. Working around this type of equipment create a safe environment the type which OSHA promote.
Mini current shops are transitioning to a pipe welding set up like we are trying to replicate using this equipment request.

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 will provide Las Positas College welding students with 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 lifelong learning.
Use of this equipment will increase student success and completion through a change and improvement in our college practices and processes, coordinating of needed academic support, removing barriers and supporting focused learning and development among staff faculty and students.

SECTION 3: EDUCATIONAL ITEMS – PROGRAM REVIEW

Specify the educational programs this equipment supports:

This equipment will support the welding technology program and manufacturing students
This equipment will support the Shop Ironworkers apprenticeship program.
This equipment will support engineering technology students on campus.

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 has a section where we talk about the need for staying current with industry trends and exposing students to industry type equipment. This equipment represents one of the latest technologies utilized for high productivity circumferential welding of pipe and tubing of various different thicknesses and alloy types. This equipment support numerous different welding processes and positions. This is the type of equipment that our industry uses and our students are expected to be able to use on the job. Having students with these capabilities makes them valuable employee prospects. While this equipment is not robotic in nature it is highly automated in allows the student to produce more work in a shorter amount of time. This equipment allows us to teach automation in the area of pipe welding. We do not have these capabilities currently in these would greatly enhance what it is that we do

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 is utilized for teaching automation of pipe welding in tubing operations. Right now they're pushing our industry ~~is~~ to increase automation and increase the output that one particular individual can do. While this equipment is not what we would call robotic, it is highly automated and it's something that would be considered semi automatic where it operates on set parameters input by the student operator.

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

We have nothing like this currently so the impact is huge. This provides us an opportunity to teach and show students what industry is currently performing today and where much of the industry is moving to tomorrow. Automation and robotics is a huge pushing our industry to increase output and help America remain competitive in a global workspace. Automation allows a student or worker to produce more work than they normally would be able to do

Each academic year, this equipment will impact: ¹⁰ _____ # of classes/sections ⁵⁰ _____ # 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.

75% of all of our classes have student learning outcomes that are directly related to welding certification. Specifically are pipe welding classes which is the main focus of this equipment requires pipe welding test that this equipment will directly assist with becoming more proficient at. Currently we teach manual type of pipe welding, but automation is become more prevalent and used widely within our industry. Students need to know these valuable workplace ready skills as employers highly seek this information and the skill set in employees.

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

What is the potential life span of the requested equipment?

In the industry this equipment is expected to last somewhere between 15 and 20 years and we would expect to see the same here at the college. It's not at all uncommon to see the stuff last much further than that with the proper maintenance and care overtime that we try to promote and teach as part of our classes. Stewardship of college I said the same thing that we highly regard within our courses and teach our students, as this prolongs the life of the equipment and gives us the tools we need for teaching and learning.

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.)

No new storage is needed for this equipment and will be located in existing space within the welding ~~web~~ lab.

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.

No old pieces of equipment to replace or store

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.)

Maintaining and stewardship of the equipment is something that we teach in our classes. Furthermore we have a welding lab technician that does annual and periodic maintenance that helps extend the life of the equipment. It is a mechanized piece of equipment and for the most part does not have pieces and parts that need to be replaced overtime.

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

This piece of equipment is 100% recyclable at the end of its usable lifespan. This equipment is designed to be deconstructed at the end of its individual lifespan and separated into recyclable materials. This type of equipment is used to fabricate pipe and pressure systems that support all of the types of energies that we are familiar with in our modern world including nuclear power hydroelectric power and steam generated power from electricity and natural gas and coal

Part A: Initial Start-up Costs

<u>Item</u>	<u>Cost</u>	<u>Comments</u>
Equipment or Materials	89668	
Taxes (9.5%)	9191	
Shipping or Delivery Charge	1000	
Installation Costs *		
Miscellaneous Costs:		
Facilities Modifications		
Operator Training		
Maintenance & Repair Training		
Storage		
Other: _____		
Vendor Discount		
Grand Total:		99859

Part B: On-Going Annual Operating Costs

<u>Item</u>	<u>Cost</u>	<u>Comments</u>
Annual Service or Maintenance		Welding technician ongoing service
Estimated Parts Replacement Per Year	100	
Outside Standardization or Calibration Costs		
Storage Costs		
New Supply Costs		
Maintenance & Repair Labor		Welding technician ongoing service
Licensing or Software		
Other: _____		
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: Welding faculty and students

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: 20 to 40 hours of class time each week

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: Two hours as part of ongoing maintenance

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

Scott Miner

Date 9/21/2021

DIVISION DEAN/MANAGER



Date 9/21/21

ADMIN SERVICES, VP

Date

Admin Services will route as needed

IT MANAGER

Date

M&O DIRECTOR

Date



Office of Administrative Services

Reset

(Wait 5-10s)

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		PANTHEON PIPE			\$ 0.00
2		W/PIPEFAB WELD PKG	1	70,297	\$ 0.00
3					\$ 0.00
4	AD1043-36	CASTER KIT	1	853	\$ 0.00
5					\$ 0.00
6		MOTORIZED ROOM	1	5212	\$ 0.00
7					\$ 0.00
8		MOTORIZED SLIDE	1	46	\$ 0.00
9				446	\$ 0.00
10					\$ 0.00
11	AD1043-88	POSITIONER	1	6389	\$ 0.00
12	AD1043-273	3 JAW CHUCK	1	1056	\$ 0.00
13	AD1043-98	VARIABLE SPEED FOOT SWITCH	1	417	\$ 0.00
14	AD1043-93	DIGITAL DISPLAY	1	389	\$ 0.00
15	AD1043-102	FREE STANDING REMOTE	1	639	\$ 0.00
Comments			Subtotal	\$ 0.00	
			89,668	10.25% Tax	9190.97
				Shipping	1000.00
			99,858.97	Total Cost	\$ 0.00
FOAP to be Charged			%	Amount	
			100		
FUND	ORG	ACCOUNT	PROGRAM		
FUND	ORG	ACCOUNT	PROGRAM		

SCOTT A MINER 9/8/2021 Erick O. Bell 9/21/21
 Requestor (print name) Date Dean (signature) Date
 Kristina Whalen 9/23/21
 Coordinator/Manager (signature) Date Vice President (signature) Date

OFFICE OF ADMINISTRATIVE SERVICES USE ONLY

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

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

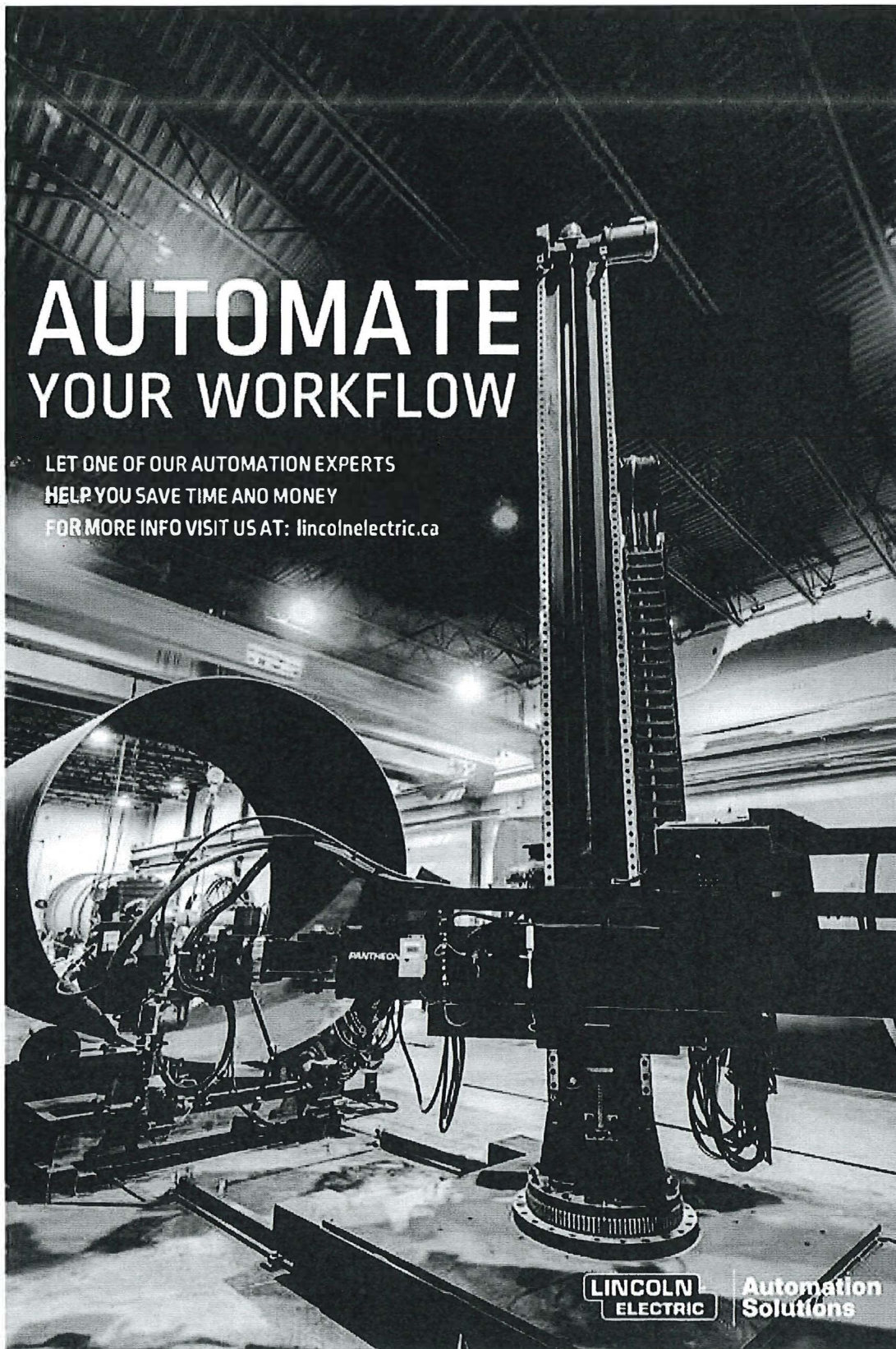
TR 4/6/20



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Solutions**

AUTOMATE YOUR WORKFLOW

LET ONE OF OUR AUTOMATION EXPERTS
HELP YOU SAVE TIME AND MONEY
FOR MORE INFO VISIT US AT: lincolnelectric.ca



**Automation
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Industrial Vallejo, México DF
CP 02330
+52.55.5063.0330



**Automation
Solutions**

QUOTATION

Quote No.	21371
Date	September 10th, 2021
Customer	Las Positas Community College
Attention	Scott Miner
Phone	510-303-4054
Fax/E-mail	sminer@clpccd.org

939 Gana Court, Mississauga, ON
L5S 1N9, Canada
Tel: (905) 565-5600, Fax: (905) 565-5599

Lincoln Elec. Sales Rep. :	Edwin Martinez
Distributor Sales Rep. :	

September 10th, 2021



Subject: Quote# 21371

Dear Scott Miner,

Lincoln Electric Automation is pleased to present a quotation for **6 ft. x 6 ft. Pantheon® Pipe with PipeFab™ Welding Package** as per your request.

We appreciate your interest in Lincoln Electric products and hope we will have the pleasure of working with you on your requirements.

Should you have any questions or need additional information, please feel free to contact your local representative or our Automation centre at 905-565-5600.

Sincerely,

Edwin Martinez
Lincoln Electric
Technical Sales Representative

Sherif Refaie
Lincoln Electric
Quotation Engineering Specialist

Wyatt Mann
Lincoln Electric
Automation Sales Manager

939 Gana Court, Mississauga, ON
L5S 1N9, Canada

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Quote No.	21371
Date	September 10 th , 2021
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Attention	Scott Miner
Phone	510-303-4054
Fax/E-mail	sminer@clpccd.org

Lincoln Elec. Sales Rep. :	Edwin Martinez
Distributor Sales Rep. :	

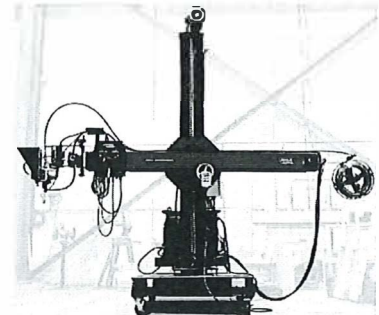
QTY ITEM DESCRIPTION

*Diagrams and photos are for presentation only.
The final equipment may vary.*

1 **Pantheon® Pipe 6 ft. x 6 ft. Manipulator**

Features:

- Stroke (V×H):
 - 6ft. x 6ft. (1.8m x 1.8m)
- Overall payload capacity:
 - 150kg @ 12" from the boom faceplate
- Free Standing Base
- Manual column rotation with dual locks
- Motorized vertical positioning of the boom
- Manual horizontal positioning of the boom through hand crank.
- Includes push button control pendant:
 - (2) Momentary buttons for boom up/down
 - Weld cycle start/stop switch
- Input power: 120/1/60

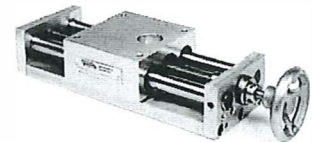


Concept image showing SAW setup.

1 **Manual Cross Slides**

Features:

- Stroke: 6" x 6" (152 mm x 152 mm)
- Load Capacity: 200 lb. (91 kg) @ 6" (152 mm)



1 **WOC-2 SAW Oscillator Control - E0A5025**

Features:

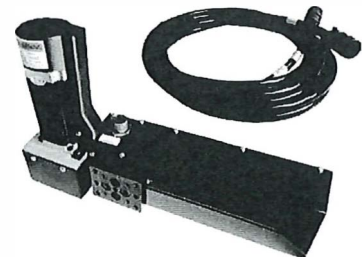
- Micro-controller based Oscillator Control
- Single Axis Control
- Allows for jog, speed, dwell time, & oscillation width control
- Includes remote control pendant



1 **HSA-2008 35 lb. Oscillator Slide - S0A5140**

Features:

- Payload Capacity: 35 lb. @ 6" from the faceplate (horizontal)
- Stroke: 7.5"
- Travel Velocity: 0.05" to 6" IPS
- Positional Accuracy: ± 0.004"
- Positional Resolution: ±0.001"
- Stepper motor with brake



1 **Welding Gun Trigger Cable – AD1043-38**

- Connects power source to Pantheon Pipe® control box
- Allows start/stop of welding from manipulator control pendant





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QTY	ITEM DESCRIPTION
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1	<u>PIPEFAB™ Ready-Pak - K3734-1</u>
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Lincoln Electric is excited to introduce our new PIPEFAB™ Welding System. From concept to reality, the PIPEFAB™ welding system was developed for one purpose – to deliver the ideal set-up for pipe and vessel fabrication.

Industry-Driven Design

- Ready-to-Run™ Design - dedicated, electrically isolated process outputs means no more swapping cables
- PowerConnect® Technology – 200v – 600v input power flexibility

Unmatched Simplicity

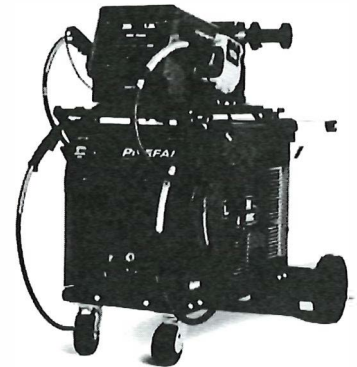
- One-button process changes
- Memory buttons for easy preferred settings callback
- ArcFX™ Technology for visual arc settings feedback
- Straightforward, easy-to-understand navigation

Breakthrough Arc Performance

- Improved STT® root-pass solution with faster travel speeds, ground-breaking stability and NO SENSE LEAD
- Smart Pulse™ Technology for improved stability and puddle control
- Input Power: 200/208/220/230/380/400/415/460/575 / 3 / 50 / 60
- Processes: MIG, TIG, Stick, Pulsed, Flux-Cored, Other: STT®

Includes:

- PIPEFAB™ Power Source
- PIPEFAB™ Feeder
- PIPEFAB™ Cart & Dual Bottle Rack
- Magnum® PRO Curve™ 200 15FT Ready-Pak
- Magnum® PRO Curve™ 300 15FT Ready-Pak
- Magnum® PRO .035" & .045" Tapered Contact Tip (Qty 1 ea)
- Magnum® PRO 3/8" Tapered-Flush & 1/2" Flush Nozzles (Qty 1 ea)
- .035"/.045" V Groove Drive Roll Kits (4 Roll Kit - Qty 2)
- .045" Knurled Drive Roll Kit (4 Roll Kit)
- Harris® Flowmeter & Hoses
- Brass Inlet Gas Y Fitting
- 15FT 2/0 Work Lead & GC500 Clamp
- PIPEFAB™ Feeder Screen Protector (optional use)





Automation Solutions

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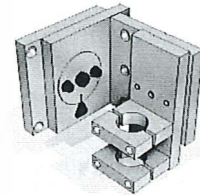
Lincoln Elec. Sales Rep. :	Edwin Martinez
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QTY	ITEM DESCRIPTION
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1 **Universal Torch Gripper - ASGHA100-719**

Features:

- Solid Aluminum plate construction.
- Universal torch gripping design (1.25 in. to 1.75 in. torch diameters)
- Allows ±45° Work & Travel angle adjustment.
- Plate markings allow for accurate repeatable adjustments.



1 **Magnum PRO® 550 Semiautomatic Gun – 25 ft. – 2655-4**

Features:

- Air-cooled gun with high quality copper and aircraft grade aluminum parts ensure superior electrical contact and heat dissipation.
- Lincoln Electric Copper Plus® Contact Tips - Larger tip diameter and mass improves heat dissipation to increase tip life.
- Processes: MIG, MIG Pulsed, Flux-Cored.
- Wire Diameter Range: .035-5/64 in. (0.9-2.0 mm); please specify.
- Rated @100% Duty Cycle: 550 A with CO2 and 375 A for Mixed Gas.
- Includes KP2868-180 Magnum Gun Tube to weld at 180°



Note: This is a supply only quote

Customer will need to Supply:

- General Assembly labor for installation
- Installation equipment with operator for assembly
- All primary power equipment requirements, disconnects, cable, floor track for input power cable, ground cable and installing electrician
- Rail/track, installation, labor, Grout (if required), or other required hardware if needed
- 8 bar of Dry, clean compressed air

System Price: \$ 70,297.00 USD

Optional Pantheon® Pipe Casters

1 **Pantheon Pipe Caster Kit – AD1043-36**

- Includes 4x Casters for supplied Pantheon Pipe® Manipulator

Add to System Price: \$ 853.00 USD



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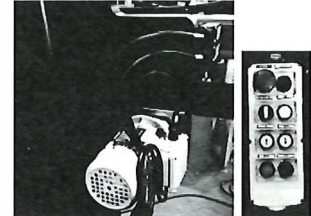
QTY	ITEM DESCRIPTION
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Optional Motorized Boom

1 **Pantheon® Pipe Motorized Boom Upgrade**

Features:

- Converts manual hand-crank boom motion to motorized motion
- Variable Speed Motor and gearbox
- Modifies standard electrical control and manipulator pendant
- Includes additional limit switches for boom motion



Note: This option is only available with initial system purchase and cannot be purchased at a later.

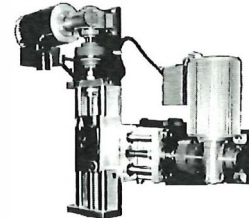
Add to System Price: \$ 5,212.00 USD

Optional Motorized Slides

1 **Motorized Slides**

Features:

- Stroke: 6" × 6" (152 mm × 152 mm)
- Load Capacity: 200 lb. (91 kg) @ 6" (152 mm)
- Travel speed: 6.63 ipm (168 mm/min) constant speed
- Control with forward/reverse in X and Y directions on manipulator pendant



Note: This option is only available with initial system purchase and cannot be purchased at a later.

Add to System Price: \$ 4,416.00 USD



Automation Solutions

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◀ **Unless stipulated elsewhere in this quotation, the following terms and conditions will apply.** ▶

NOTICE: THIS PROPOSAL IS CONTINGENT ON A LACK OF IMPACT BY THE CORONAVIRUS NATIONAL EMERGENCY. Given the existence of the coronavirus pandemic, Lincoln Electric Company of Canada LP will use its best efforts to manufacture, staff and service this project to meet the scheduled delivery date(s). However, Lincoln Electric Company of Canada LP reserves its right to seek an excusable extension of time if Lincoln Electric Company of Canada LP or its subcontractors or suppliers are unable to meet their contractual obligations due to the illness, supply shortages or governmental restraints on business, travel and/or assembly. To the extent that the project is suspended, Lincoln Electric Company of Canada LP reserves its right to seek additional costs associated with the suspension.

PO must be addressed and sent to Airgas.

SHIPMENT DATE

Estimated shipping date is **16 – 18 weeks** after the receipt of the initial payment and based on current build schedule activity. Actual shipping timeline may vary, and is to be determined based on production schedule at the time an order is received and confirmed.

SHIPPING TERMS

All prices are EX Works, Mississauga, Ontario, Canada.
Shipping is invoiced separately from the main system.

PAYMENT TERMS AND CONDITIONS: (SUBJECT TO APPROVED CREDIT)

Standard Automation Division terms for integrated solutions

- 60% with purchase order
- 30% on system completion and prior to shipment
- 10% net-30 days after shipment

Unless otherwise approved by Automation Division Management

Unless otherwise mentioned, all prices are in USD.

The above prices are in effect for thirty (30) days from date of quotation.

Prices do NOT include applicable taxes.



Automation Solutions

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REVISION SUPERCEDEENCE

If any, this document supersedes all previous revisions of the quotes.

CUSTOMER ASSISTANCE POLICY

The business of the Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask the Company for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, the Company does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

The Company is a responsive manufacturer, but the selection and use of specific products sold by the Company is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of the Company affect the results obtained in applying these types of fabrication methods and service requirements.

ORDER CANCELLATION CHARGES:

If an order is cancelled after work has been started on the order, cancellation charges will be assessed in accord with the percent completion of the order.

NOTE: If routine service and maintenance is not performed, applications and processes with oils, anti-spatter, tip-dip and/or moisture may cause damage to system equipment and may void the equipment and filter warranty.



**Automation
Solutions**

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END-USER WARRANTY PERIOD*

Lincoln will assume both the parts and labor expense of correcting defects during the warranty period. All warranty periods start from the date of purchase from a Lincoln Authorized Distributor or Lincoln Authorized Service Facility to the original end user or from the date of manufacture if proof of purchase is not available and are as follows:

7 YEARS

- Main power rectifiers on Idealarc® non-inverter type welders

5 YEARS

- Power Wave®, Power Feed®, Auto Drive®, MAXsa®, and Pipefab® machines
- Apex® Controllers

3 YEARS

- All Lincoln welding machines, wirefeeders & plasma cutting machines
- Weld fume control base units including Miniflex®, Mobiflex® 100-NF, Mobiflex® 200-M, Mobiflex® 400-MS, Statiflex® 200-M, DownFlex® 100-NF, and DownFlex® 200-M, but excluding self-cleaning base units.
- VRTEX® 360 and VRTEX® Mobile
- Self-cleaning weld fume control base units, including Mobiflex 400-MS® and DownFlex® 400-MS/A, and all other weld fume control equipment including extraction arms, extension cranes, nozzles, central and general filtration systems, Guardian™ products, and accessories (Does not include expendable parts listed under 30 day warranty).
- Cross Slide Mechanical Assemblies, Motorized Slide Controls, Seam Tracker Controls

1 YEAR

- All Hard Automation Solutions, i.e. Manipulators, Seamers, positioning equipment, etc.
- All water coolers (internal or external)
- All gas flow regulators
- Arc welding and cutting robots and robotic controllers
- All Environmental Systems equipment, including portable units, central units and accessories. (Does not include consumable items listed under 30 day warranty.)
- All welding and cutting accessories including wire feed modules, undercarriages, field installed options that are sold separately, unattached options, welding supplies, standard accessory sets and Magnum® products (Does not include expendable parts and guns/torches listed under 90 and 30 day warranties)
- All Pro-Torch™ TIG torches
- All plasma cutting torches
- All purchased non-expendable replacement parts
- Magnum® 250LX Spool Gun
- Push-Pull Guns
- Helix® Weld Heads and Wire Feeders, Apex® Pendants.
- Seam Tracking Sensors, ST and MS Pendants, DirectArc™ Magnetic Arc Control Systems, AVC-5 Systems, Weld Oscillator Systems
- Magnum® PRO 250LX



Automation Solutions

QUOTATION

939 Gana Court, Mississauga, ON
L5S 1N9, Canada

Tel: (905) 565-5600, Fax: (905) 565-5599

Quote No.	21371
Date	September 10th, 2021
Customer	Las Positas Community College
Attention	Scott Miner
Phone	510-303-4054
Fax/E-mail	sminer@clpccd.org

Lincoln Elec. Sales Rep. :	Edwin Martinez
Distributor Sales Rep. :	

- Magnum® PRO 250LX GT
- BUG-O systems
- Flux Recovery systems
- All Replacement Parts

90 DAYS

- Cable assemblies
- All other Lincoln Electric guns and torches not specified above

30 DAYS

- All consumable items that may be used with the Weld Fume Control systems described above. This includes hoses, filters, belts and hose adapters.
- All Software
- Expendable Parts - Lincoln is not responsible for the replacement of any expendable part that is required due to normal wear.
- All Engineering and Service Labor.

*Equipment manufactured for LECO is subject to the warranty period of the original manufacturer (for example: Sick Products – 1 year).

CONDITIONS OF WARRANTY - TO OBTAIN WARRANTY COVERAGE:

The End User must contact LECO about any defect claimed under LECO's warranty prior to correction. Determination of warranty on equipment will be made by LECO or LECO's Authorized Service Facility.

WARRANTY REPAIR:

If LECO or LECO's Authorized Service Facility confirms the existence of a defect covered by this warranty, the defect will be corrected by repair or replacement at LECO's option. At LECO's request, the Integrator or end-user must return to LECO or LECO's Authorized Service Facility any "Goods" claimed defective under LECO's warranty.

WARRANTY/SERVICE FREIGHT COSTS:

For equipment, the end-user customer is responsible for shipment both to and from LECO's Authorized Service Facility. LECO will bear the cost of any required return shipment from LECO's Authorized Service Facility to LECO.

PARTS & EQUIPMENT:

Unless otherwise specified in the quotation, Lincoln Electric will use standard parts and procedures for installation and assembly of its equipment. This is based upon engineering design and analysis, part specifications and requirements, cost and delivery. All parts will meet stringent internal criteria at Lincoln Electric to ensure high quality and reliable systems.



**Automation
Solutions**

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FUNCTIONALITY:

It is customer’s responsibility to make sure that the proposed system in this document and/or attachments satisfies the customer’s requirements and provide the required functionality.

COMPLIANCE WITH LAWS:

Buyer shall comply with all applicable laws and regulations with respect to the business conducted by Buyer with or on behalf of Lincoln, and in connection with the resale or marketing of Lincoln products, including (without limitation) all applicable “Anti-bribery Laws,” which prohibit the payment or transfer directly or indirectly of anything of value to governments, government officials, state-owned enterprises, political parties, political party officials, or to relatives or associates of such officials, in connection with obtaining or maintaining business or an improper business advantage.

Buyer agrees that it will not participate in the sale of Lincoln products to any entity in or for export to any country that is deemed to be a “prohibited country” under U.S. export control laws or for use in nuclear, chemical or biological weapons or rocket or missile applications.

Ethical Business Conduct. Buyer shall be committed to fair, honest and ethical business practices. Buyer acknowledges that Lincoln has adopted a Code of Corporate Conduct and Ethics (a copy of which is available on Lincoln’s website at www.lincolnelectric.com) and Buyer agrees to conduct itself in its dealings with or on behalf of Lincoln, or in connection with the resale or marketing of Lincoln products, in a manner that is consistent with and facilitates compliance with Lincoln’s Code.