



Florida Job Growth Grant Fund Workforce Training Grant Proposal

Proposal Instructions: The Florida Job Growth Grant Fund Proposal (this document) must be completed and signed by an authorized representative of the entity applying for the grant. Please read the proposal carefully as some questions may require a separate narrative to be completed.

Entity Information

Name of Entity: Lively Technical Center

Federal Employer Identification Number (if applicable): [REDACTED]

Contact Information:

Primary Contact Name: Shelly Bell

Title: Director Career, Technical and Adult Education

Mailing Address: 500 North Appleyard Drive
Tallahassee, Florida 32304

Phone Number: 850-487-7555

Email: bells@Leonschools.net

Workforce Training Grant Eligibility

Pursuant to 288.101, F.S., The Florida Job Growth Grant Fund was created to promote economic opportunity by improving public infrastructure and enhancing workforce training. This includes workforce training grants to support programs offered at state colleges and state technical centers.

Eligible entities must submit proposals that:

- Support programs and associated equipment at state colleges and state technical centers.
- Provide participants with transferable and sustainable workforce skills applicable to more than a single employer.
- Are offered to the public.
- Are based on criteria established by the state colleges and state technical centers.
- Prohibit the exclusion of applicants who are unemployed or underemployed.



1. Program Requirements:

Each proposal must include the following information describing how the program satisfies the eligibility requirements listed on page 1.

- A. Provide the title and a detailed description of the proposed workforce training.
see attached

- B. Describe how this proposal supports programs at state colleges or state technical centers.
see attached

- C. Describe how this proposal provides participants transferable, sustainable workforce skills applicable to more than a single employer.
see attached

- D. Does this proposal support a program(s) that is offered to the public?

Yes No

- E. Describe how this proposal is based on criteria established by the state colleges and state technical centers.
see attached

- F. Does this proposal support a program(s) that will not exclude unemployed or underemployed individuals?

Yes No



G. Describe how this proposal will promote economic opportunity by enhancing workforce training. Please include the number of jobs anticipated to be created from the proposed training. Further, please include the economic impact on the community, region, or state and the associated metrics used to measure the success of the proposed training.

see attached

2. Additional Information:

A. Is this an expansion of an existing training program? Yes No

If yes, please provide an explanation for how the funds from this grant will be used to enhance the existing program.

If additional space is needed, attach a word document with your entire answer.

B. Does the proposal align with Florida’s Targeted Industries? (View Florida’s [Targeted Industries here.](#))

Yes No

If yes, please indicate the targeted industries with which the proposal aligns.

If no, with which industries does the proposal align?

see attached

C. Does the proposal align with an occupation(s) on the Statewide Demand Occupations List and/or the Regional Demand Occupations List? (View Florida’s [Demand Occupation Lists here.](#))

Yes No

If yes, please indicate the occupation(s) with which the proposal aligns.

If no, with which occupation does the proposal align?

This proposal aligns with welders, cutters, solderers and brazers.



D. Indicate how the training will be delivered (e.g., classroom-based, computer-based, other).

If in-person, identify the location(s) (e.g., city, campus, etc.) where the training will be available.

If computer-based, identify the targeted location(s) (e.g. city, county, statewide) where the training will be available.

Training will be classroom and lab based. Training will be on Lively's main campus.

E. Indicate the number of anticipated enrolled students and completers.

Lively would anticipate 30 enrolled students and 26 completers.

F. Indicate the length of program (e.g., quarters, semesters, weeks, etc.), including anticipated beginning and ending dates.

Begin Date: August 13, 2018 End Date: June 1, 2019

G. Describe the plan to support the sustainability of the proposal.

The program will be sustained using student tuition and fees as well as state workforce dollars.

H. Identify any certifications, degrees, etc. that will result from the completion of the program. Please include the Classification of Instructional Programs (CIP) code if applicable.

CIP Code 0648050806

AWS Certified Welding Certification

NCCR National Center for Construction Education & Research Welding Level 1 & 2



I. Does this project have a local match amount?

Yes No

If yes, please describe the entity providing the match and the amount.

If additional space is needed, attach a word document with your entire answer.

J. Provide any additional information or attachments to be considered for the proposal.

If additional space is needed, attach a word document with your entire answer.

3. Program Budget

Estimated Costs and Sources of Funding: Include all applicable workforce training costs and other funding sources available to support the proposal.

A. Workforce Training Project Costs:

Equipment	<u>\$ 418,658.73</u>		
Personnel	<u>\$ 62,000.00</u>		
Facilities	<u>\$ 0</u>		
Tuition	<u>\$ 0</u>		
Training Materials	<u>\$ 0</u>		
Other	<u>\$ 0</u>	Please Specify:	<u>0</u>
Total Project Costs	<u>\$ 480,657.73</u>		

B. Other Workforce Training Project Funding Sources:

City/County	<u>\$ 0</u>		
Private Sources	<u>\$ 0</u>		
Other (grants, etc.)	<u>\$ 0</u>	Please Specify:	<u>0</u>
Total Other Funding	<u>\$ 0</u>		

Total Amount Requested **\$ 480,657.73**

Note: The total amount requested must equal the difference between the workforce training project costs in 3.A. and the other workforce training project funding sources in 3.B.



- C. Provide a detailed budget narrative, including the timing and steps necessary to obtain the funding, how equipment purchases will be associated with the training program, if applicable, and any other pertinent budget-related information.

see attached

4. Approvals and Authority

- A. If entity is awarded grant funds based on this proposal, what approvals must be obtained before it can execute a grant agreement with the Florida Department of Economic Opportunity (e.g., approval of a board, commission or council)?

Approval by LCS School Board

- B. If approval of a board, commission, council or other group is needed prior to execution of an agreement between the entity and the Florida Department of Economic Opportunity:

- i. Provide the schedule of upcoming meetings for the group for a period of at least six months.

9/5, 9/26, 10/10, 10/24, 11/14, 11/28, 12/12, 1/9, 1/23, 2/13, 2/27

- ii. State whether that group can hold special meetings, and if so, upon how many days' notice.

LCSB Policy 0161 states that special meetings can be held as needed.

- C. Attach evidence that the undersigned has all necessary authority to execute this proposal on behalf of the entity. This evidence may take a variety of forms, including but not limited to: a delegation of authority, citation to relevant laws or codes, policy documents, etc.



I, the undersigned, do hereby certify that I have express authority to sign this proposal on behalf of the above-described entity.

Name of Entity: _____

Name and Title of Authorized Representative: _____

Representative Signature: _____
Print, sign, scan and attach with form submission.

Signature Date: 9/14/12 Ricky Harris

Florida Job Growth Grant Fund Workforce Training Grant Proposal

1. PROGRAM REQUIREMENTS

A. Provide the title and a detailed description of the proposed workforce training.

Lively Technical Center offers workforce training in Welding Technology. This workforce training program provides students with the technical and occupation skills necessary to gain employment in a targeted industry as identified in Leon County and Workforce Region 5. Participants complete a program that offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the manufacturing career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in the welding industry. The content includes but is not limited to planning, management, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

This program is a planned sequence of instruction consisting of two occupational completion points. This program is comprised of courses which have been assigned course numbers in the SCNS (Statewide Course Numbering System) in accordance with Section 1007.24 (1), F.S. Career and Technical credit shall be awarded to the student on a transcript in accordance with Section 1001.44 (3)(b), F.S.

This proposal will provide for equipment for the advanced welding lab as well as salary for one fulltime instructor. Currently, there is one instructor already paid out of workforce dollars for the program. A second instructor is necessary in order to grow the program.

B. Describe how this proposal support programs at state colleges or state technical centers:

This proposal supports Lively Technical Center in its ability to provide career oriented education to the community and to provide highly skilled individuals to meet the demands of the workforce. The vision of Lively Technical Center is to provide educational offerings through industry driven instruction to meet the needs of our community. Lively Technical Center directly serves Leon, Wakulla and Gadsden County and has worked to provide both secondary and post-secondary programs to thousands of students. Lively works collaboratively with local businesses and industry leaders to contribute to the success of Lively Technical Center's instructional programs.

The program is a state recognized PSAV program through the Florida Department of Education Office of Career and Technical Education. This career preparatory program is reviewed by career-specific business and industry members on a three years cycle to make certain that the program is aligned to the workforce needs and follows the needed curriculum to meet industry standards.

C. Describe how this proposal provides participants transferable, sustainable workforce skills applicable to more than a single employer.

Students who complete the Advanced Welding Technology program (J400410) will have specific workforce skills advanced welding processes for the nuclear and aerospace industry. Additionally, students will have advanced skills in welding, cutting, soldering and brazing. All skills are transferable to a variety of occupations including those in the field of nuclear and aerospace (including NASA, Space-X), emerging technology in robotics, and as well as welding skills that can be used across a large variety of industries where welding expertise is in high demand.

D. Does this proposal support a program(s) that is offered to the public? YES NO

E. Describe how this proposal is based on criteria established by the state colleges and state technical centers.

This proposal is based on the criteria Lively Technical Center has established to make decisions to offer programs that benefit the workforce needs in our community and across the state of Florida. Criteria for offering programs include review of Florida Department of Education approved PSAV programs, review of State and Regional Demand Occupations Lists and review of Bureau of Labor Market Statistics Employment Projections. Lively Technical Center is committed to offering industry standard training programs aligned to national training standards.

F. Does this proposal support a program(s) that will not exclude unemployed or underemployed individuals? YES NO

G. Describe how this proposal will promote economic opportunity by enhancing workforce training. Please include the number of jobs anticipated to be created from the proposed training. Further, please include the economic impact on the community, region, or state and the associated metrics used to measure the success of the proposed training.

The manufacturing workforce is important to our community and our state. This program will provide a workforce to meet both local, regional and stat manufacturing needs and provide opportunities for students to obtain jobs in the workforce with healthy wages. Jobs in the welding field span multiple industries from construction to manufacturing to pipeline jobs to repairing heavy duty equipment. The Bureau of Labor Statistics projects a 15% growth rate in the welding sector between 2010 and 2024. Below is the 2017-2018 Regional Demand Occupational List for region 5 showing annual openings for careers needing welding skills.

2017-18 Regional Demand Occupations List										
Sorted by Occupational Title										
Workforce Development Area 5 - Gadsden, Leon, and Wakulla Counties										
Workforce Estimating Conference Selection Criteria:										
1	1	FLDOE Training Code 3 (PSAV Certificate), 4 (Community College Credit/Degree), or 5 (Bachelor's Degree)								
2	2	10 annual openings and positive growth								
3	3	Mean Wage of \$13.75/hour and Entry Wage of \$11.18/hour								
4	4	High Skill-High Wage (HSHW) Occupations:								
5		Mean Wage of \$21.54/hour and Entry Wage of \$13.75/hour								
	SOC Code	HSHW††	Occupational Title	Annual Percent Growth	Annual Openings	2016 Hourly Wage Mean	2016 Hourly Wage Entry	FLDOE Training Code	In EFI Industry?	Data Source†††
16	493011	HSHW	Aircraft Mechanics and Service Technicians	1.07	441	27.27	17.34	3	Yes	S
17	499041	HSHW	Industrial Machinery Mechanics	2.50	639	23.05	15.75	3	Yes	S
18	514041		Machinists	1.44	414	18.84	12.59	3	Yes	S
19	472073		Operating Engineers/Construction Equipment Operators	1.89	575	17.96	13.34	3	No	S
20	472152		Plumbers, Pipefitters, and Steamfitters	1.71	11	17.71	13.49	3	No	R
21	472211		Sheet Metal Workers	1.66	315	17.77	12.52	3	No	S
22	514121		Welders, Cutters, Solderers, and Bracers	1.05	528	18.24	12.78	3	Yes	S
24	†SOC Code and Occupational Title refer to Standard Occupational Classification codes and titles.									
25	††HSHW = High Skill-High Wage.									
26										
27	†††Data Source:									
28	R = Meets regional wage and openings criteria based on state Labor Market Statistics employer survey data. Regional data are shown.									
29	S = Meets statewide wage and openings criteria based on state Labor Market Statistics employer survey data. Statewide data are shown.									
30	NR = Not releasable.									
31										
32	EFI - Enterprise Florida, Inc.									

2. ADDITIONAL INFORMATION:

A. Is this an expansion of an existing program? YES NO

If yes, please provide an explanation for how the funds from this grant will be used to enhance the existing program.

This proposal expands the current welding program offered at Lively Technical Center. This grant will allow Lively Technical Center to offer more opportunities to students wishing to continue in the advanced welding program to seek higher wages through advanced training in the welding fields. The money through this grant will allow Lively to double the number of students participating in the advanced welding program as well as provides the equipment necessary to teach advanced welding techniques that are in demand by the industries seeking to hire welders with advanced skills.

B. Does the proposal align with Florida's Targeted Industries? YES NO

If yes, please indicate the targeted industries with which the proposal aligns.

Aircraft and Aircraft Parts Manufacturing, Maintenance Repair and Overhaul of Aircrafts and Machine Tooling

C. Does the proposal align with an occupation(s) on the Statewide Demand Occupation List and/or the Regional Demand Occupations list? YES NO

If yes, please indicate the occupation(s) with the proposal aligns.

This proposal aligns with welders, cutters, solderers and brazers.

D. Indicate how the training will be delivered (e.g., classroom-based, computer-based, other).

Training will be face-to-face, classroom and lab based. Training will be on Lively's main campus with experts in the program field of study. Lively Technical Center is located at: 500 North Appleyard Drive, Tallahassee, Florida 32304-2895.

E. Indicate the number of anticipated enrollers and student completers

Lively would anticipate 30 enrolled students and 26 completers.

F. Indicate the length of program (e.g., quarters, semester's, weeks, etc.), including anticipated beginning and ending dates.

Beginning Date: August 13, 2018

End Date: June 1, 2019

OCP	Course Number	Course Title	Teacher Certification	Length	SOC Code
A	PMT0075	Advanced Welder 1	METAL WORK 7G WELDING @7 7G	600 hours	51-4121
B	PMT0076	Advanced Welder 2		150 hours	51-4121

G. Describe the plan to support the sustainability of the proposal

The program will be sustained using student enrollment tuition and lab fees as well as state work force dollars. To sustain the equipment in the welding lab, workforce funds, grants and Perkins funds will be utilized to repair and existing purchases as well as to provide for any necessary new equipment.

H. Identify any certifications, degrees, etc. that will result from the completion of the program. Please include the Classification of Instructional Programs (CIP) Code if applicable.

CIP Code 0648050806

AWS Certified Welding Certification (AWELD001)

National Center for Construction Education & Research Welding Level 1, 2 and 3 Certification (NCCER061, NCCER 062, NCCER063)

I. Does this project have a local match amount?

This project does not have a local match fund. However, Workforce Funds and future monies collected through enrollment fees will be available to help with sustainability.

J. Provide any additional information or attachments to be considered for this proposal.

Current enrollment numbers show 103 students enrolled in Lively's welding program. 92 students enrolled in basic welding and 11 enrolled in the advanced welding program.

3. PROGRAM BUDGET:

Estimated costs and sources of funding: Include all applicable workforce training costs and other funding sources available to support the proposal.

A. Workforce Training Project Costs:

Equipment	418,658.73
Personnel	62,000.00
Facilities	0
Tuition	0
Training Materials	0
Other	0
Total Project Costs	\$480,657.73

B. Other Workforce Training Project Funding Sources:

City/County	0
Private Sources	0
Other (grants, etc.)	0
Total Other Funding	0

Total Amount Requested \$480,657.73

C. Detailed Budget Narrative

All equipment purchases will support the curriculum frameworks for delivery of PSAV program as identified by the FLDOE. Detailed quotes are attached as separate documents. If grant is funded, teacher will be hired at such time. Additionally, program will be offered in current space on Lively's campus. Future monies from tuition from program will go to help offset future costs with salaried employee and maintenance/repair of equipment as well as for future purchases to support program.

Qty	Description	Unit Price	Total Price
14	Power Wave® C300 Advanced Process Welder Multi-Purpose Educational Ready-Pak® 208/230/380/415/460/575/3/50/60	\$9,103.12	\$84,781.62
6	Power Wave® S350 Advanced Process Welder 208/230/380/415/460/575/1/3/50/60	\$4,230.91	\$25,385.46
6	Power Feed® 84 - U/I, Hvy. Dty Reel, Cntcrs., USB	\$4,199.88	\$25,199.28
6	Drive Roll Kit .040-.045 in (1.0-1.1 mm) Cored Wire	\$76.31	\$457.86
6	Magnum® PRO Curve™ 400 Welding Gun Ready-Pak® 15 ft	\$204.73	\$1,228.38
6	Magnum® PRO Curve™ 200 Welding Gun Ready-Pak® 15 ft	\$179.61	\$1,077.66
6	Work & Power Lead 2/0 - Tweco® Male & GC500 / Tweco® Male & Lug - 10 ft (3 m)	\$174.03	\$1,044.18
6	Dual Cylinder Inverter & Wire Feeder Cart	\$720.30	\$4,321.80
12	Harris® Flowmeter Regulator and Hose 355-2AR-58010	\$108.89	\$1,306.68
6	Inverter Cart Mounting Kit	\$36.61	\$219.66
6	Work & Power Lead 2/0 - Tweco® Male & GC500 / Tweco® Male & Lug - 10 ft (3 m)	\$174.03	\$1,044.18
6	Power Wave® Advanced Module 40V DC	\$2,894.87	\$17,369.22
6	Foot Amptrol™ - 25 ft. (7.6m) (12 pin)	\$287.5700	\$1,725.42
6	Drive Roll Kit .040-.045 in (1.0-1.1 mm) Cored Wire	\$76.31	\$457.86
6	Magnum® PRO Curve™ 400 Welding Gun Ready-Pak® 15 ft	\$204.73	\$1,228.38
4	Aspect® 375 AC/DC TIG Welder Ready-Pak® 200-600/1/3/50/60	\$5,690.33	\$22,761.32
1	Robotic Education Cell, Gen 3.0, Advanced:		\$85,000.00
1	APEX 30M MIG/TIG SYSTEM W/SINGLE FEEDER		\$81,924.77
1	CNC Pipe Fitter Compact Profiler		\$62,124.00
1	Instructor + benefits (not to exceed)	\$62,000.00	\$62,000.00
TOTAL			\$480,657.73

Price Quotation



The Lincoln Electric Company
Jacksonville, FL

Tel: (904) 838-7166
email: Jim_issa@LincolnElectric.com

Quote Date	September 6, 2017
Quote Expiration Date	October 6, 2017
Quote Number	

Customer	
Name	Mann Roberts
Company Name	Lively Technical Center
Street Address	
City, State, ZIP	Tallahassee, FL

Quote / Project Description
Power Wave C300 Educational Package

Item	Qty	Part Number	Description	Industrial Price	Unit Price	Extended Price
1	14	K2774-4	Power Wave® C300 Advanced Process Welder Multi-Purpose Educational Ready-Pak®	\$9,103.120	\$6,055.8300	\$84,781.62
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Subtotal:	\$84,781.62
Page 2 Subtotal:	\$0.00
Shipping	
Tax	
Total:	\$84,781.62

Special Notes and Instructions
1)
2)
3)

Delivery Instructions
1)
2)

Please confirm your acceptance of this quote by signing this document:

If you have any questions concerning this quotation, please contact:

Signature: _____
Print Name: _____
Date: _____

Name: _____
Phone: _____
E-mail: _____

Thank you for your business !

Price Quotation



The Lincoln Electric Company
Jacksonville, FL

Tel: (904) 838-7166
email: Jim_issa@LincolnElectric.com

Quote Date	September 6, 2017
Quote Expiration Date	October 6, 2017
Quote Number	

Customer	
Name	Mann Roberts
Company Name	Lively Technical Center
Street Address	
City, State, ZIP	Tallahassee, FL

Quote / Project Description
Power Wave S350/DH Feeder/Advance Module Quote.

Item	Qty	Part Number	Description	Industrial Price	Unit Price	Extended Price
1	6	K2823-3	Power Wave® S350 Advanced Process Welder 208/230/380/415/460/575/1/3/50/60	\$6,359.600	\$4,230.9100	\$25,385.46
2	6	K3330-5	Power Feed® 84 - U/I, Hvy. Dty Reel, Cntcrs., USB	\$6,313.920	\$4,199.8800	\$25,199.28
4	6	KP1505-045C	Drive Roll Kit .040-.045 in (1.0-1.1 mm) Cored Wire	\$116.200	\$76.3100	\$457.86
5	6	K2952-2-10-45	Magnum® PRO Curve™ 400 Welding Gun Ready-Pak® 15 ft	\$442.400	\$204.7300	\$1,228.38
6	6	K2950-2-10-45	Magnum® PRO Curve™ 200 Welding Gun Ready-Pak® 15 ft	\$388.020	\$179.6100	\$1,077.66
7	6	K1803-2	Work & Power Lead 2/0 - Tweco® Male & GC500 / Tweco® Male & Lug - 10 ft (3 m)	\$265.440	\$174.0300	\$1,044.18
8	6	K3059-3	Dual Cylinder Inverter & Wire Feeder Cart	\$1,100.110	\$720.3000	\$4,321.80
9	12	3100211	Harris® Flowmeter Regulator and Hose 355-2AR-58010	\$166.300	\$108.8900	\$1,306.68
10	6	K4068-1	Inverter Cart Mounting Kit	\$55.930	\$36.6100	\$219.66
11	6	K1803-2	Work & Power Lead 2/0 - Tweco® Male & GC500 / Tweco® Male & Lug - 10 ft (3 m)	\$265.440	\$174.0300	\$1,044.18
12	6	K2912-1	Power Wave® Advanced Module 40V DC	\$4,421.000	\$2,894.8700	\$17,369.22
13	6	K870-2	Foot Amptrol™ - 25 ft. (7.6m) (12 pin)	\$439.190	\$287.5700	\$1,725.42

Subtotal:	\$80,379.78
Page 2 Subtotal:	\$0.00
Shipping	
Tax	
Total:	\$80,379.78

Special Notes and Instructions

Delivery Instructions
1)
2)

Please confirm your acceptance of this quote by signing this document:

If you have any questions concerning this quotation, please contact:

Signature: _____
Print Name: _____
Date: _____

Name: _____
Phone: _____
E-mail: _____

Thank you for your business !

Price Quotation



The Lincoln Electric Company
Jacksonville, FL

Tel: (904) 838-7166
email: Jim_issa@LincolnElectric.com

Quote Date	September 6, 2017
Quote Expiration Date	October 6, 2017
Quote Number	

Customer	
Name	Mann Roberts
Company Name	Lively Technical Center
Street Address	
City, State, ZIP	Tallahassee, FL

Quote / Project Description
Aspect 375 AC/DC TIG Welder

Item	Qty	Part Number	Description	Industrial Price	Unit Price	Extended Price
1	4	K3946-2	Aspect® 375 AC/DC TIG Welder Ready-Pak® 200-600/1/3/50/60	\$6,699.000	\$5,690.3300	\$22,761.32
2						
3						
4						
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16						

Subtotal:	\$22,761.32
Page 2 Subtotal:	\$0.00
Shipping	
Tax	
Total:	\$22,761.32

Special Notes and Instructions
1)
2)
3)

Delivery Instructions
1)
2)

Please confirm your acceptance of this quote by signing this document:

Signature: _____
Print Name: _____
Date: _____

If you have any questions concerning this quotation, please contact:

Name: _____
Phone: _____
E-mail: _____

Thank you for your business !



Price Quotation

The Lincoln Electric Company
Jacksonville, FL

Quote Expiration Date: 12/30/2017

Tel: (904) 838-7166
email: Jim_issa@LincolnElectric.com

Quote to: Lively Technical Center – Tallahassee, FL

Education Cell Advanced

AD2446-3 Robotic Education Cell, Gen 3.0, Advanced:

- **ROBOTIC SYSTEM:**
- Specifications:
 - Height: 81.23 inches
 - Length: 67 inches
 - Width: 70 inches (sides expanded), 32 inches (sides folded)
 - Weight: 1000 lbs
- Work surface area: 2,329 sq.in.
- Robot controller input voltage 120VAC
- **POWER SOURCE & FEEDER:**
- Power Wave® S350 and AutoDrive® 4R100
- Input Voltage:
 - 208/230/380-415/460/575/1/3/50/60
- Input Current @ Rated Output:
 - 3 Ph/40% Duty Cycle: 39/35/19/17/14 A
 - 1 Ph/40% Duty Cycle: 60/67/NA/NA/NA A
- Output Range: 5 - 350 Amps
- Rated Output:
 - GMAW: 350A/31.5V/40%
 - GMAW: 300A/29V/100%
- **ROBOT:**
- FANUC ARC Mate® 50iD/7L
 - Six Axis Mechanical Unit
 - 7 kg Maximum Payload
 - 0.892m Reach
- FANUC Robotics ARCMate controller
 - 6-Axis Control Board
 - Controller power supply
 - 6-channel servo amplifier
 - NRTL 10A rotary circuit breaker for 200-230VAC, 1-phase input voltage
 - RIA compliant E-stop unit
 - Integrated operator panel
 - RIA-compliant color haptic iPendant
 - 10m Teach Pendant cable
 - I/O converter PCB
 - 1 x spare fuse kit (E-stop & servo amp)

- 1 x spare fuse kit (Main board)
- Tool for Wago terminal block (for Fence / Ex. Emergency stop wiring)
- SAFETY/WELD CELL CONTROLS
- CSA/UL certification ready system.
- PLEASE NOTE: CSA/UL certification is the responsibility of the customer
- Fully integrated ANSI/RIA 15.06-2012 compliant operator safety devices including a door safety switch
- RIA compliant robotic controller operator panel, robotic software and pendant
- Quantity 2, hand shields (personal protection equipment) supplied with robotic system
- COMPLETE SYSTEM DOCUMENTATION
- Hard Copy binder
- Electronic manuals and tools
- Robotic 3-in-1 welding fixture
- Education Cell Project Based Lessons - Book 1
- Education Cell Project Based Lessons - Book 2
- Miniflex® Fume Extraction
- Lettering Program (preset program creating letters)
- Cert training program, 25 seat Weldpro
- Additional Instructor Cert training program
- iRVision

The iRVision Package includes the following:

- Sony XC-56 Camera
- Camera will be Fixed Mounted on top of the robot enclosure
- 12.5mm Lens with Lock
- Vision Calibration grid
- Vision label set
- 7m Camera connection cable
- iRVision 2D guidance software
- iRVision e-Doc CD

Quantity	Price
1	USD 85,000.00

5 Terms and Conditions

5.1 Payment Terms

For VRTEX, RealWeld and Robotic Education Cell products, prices are based on net 30 days with preapproved credit in place, no cash discounts allowed. The Lincoln Electric Company may change this method of payment in its sole discretion. UCC Filing may be required.

5.2 Standard Terms And Conditions

Single Authorized Distributor Statement:

No distributor other than The Lincoln Electric Company is authorized to sell the VRTEX, RealWeld and the

Robotic Education Cell products to you. Any attempt by any other party to sell these products to you should be considered potentially fraudulent and can be reported to The Lincoln Electric Company.

Delivery:

Estimated shipping date is 4 weeks 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. The above prices are in effect for nine (9) months from date of quotation.

Terms/Conditions and Transfer of Title:

Unless explicitly specified in the proposal, shipping is included in the invoiced price.

Title to the shipment to the Buyer at the time the carrier accepts the shipment.

Prices do NOT include state and local taxes.

UCC Filing may be required.

On Site assistance:

Prices do not include system installation or onsite training unless otherwise stated. Lincoln Automation can

provide additional on-site customer training, and installation assistance at an additional cost.

For RealWeld products, pricing includes 1 day of operations training in Cleveland, Ohio. Travel and living

expenses are not included. The training schedule and online registration can be found at www.lincolnelectric.com/realweld-registration.

Training for Advanced Trainers:

For VRTEX products, pricing includes 2 days of basic operation training in Cleveland, Ohio. Travel and living

expenses are not included. The training schedule and online registration can be found at www.vrtex.com

under the Events section.

For the robotic educational system, pricing includes three to five days of basic operations training for three

people in Cleveland, Ohio. Travel and living expenses are not included. Training registration is available

through calling 888-935-3878.

The three basic seats that come with the purchase of a robotic cell are non-transferable and cannot be

exchanged for any other training programs. The three seats will expire within two years of the date of purchase.

Cancellations are accepted prior to one week before a pre-scheduled training session. Company cancellations within one week of a pre-scheduled training session forfeit one training slot. No-show students forfeit all remaining company training slots.

The Lincoln Electric Company strictly prohibits smoking on company premises, including the Automation

facilities, and in the parking lot.

End-User Warranty Period*

LECO will assume parts expense of correcting defects during the full warranty period. All warranty periods

start from the date of purchase to the original end-user or from the date of manufacture if the original invoice cannot be provided, and are as follows:

- 3 Years

- All welding machines, wire feeders and plasma cutting machines unless listed below

- 1 Year

- All VRTEX and RealWeld Training Products, including replacement parts

- All water coolers (internal or external)

- Arc welding, cutting, and material handling robots, robotic controllers, and related options

- 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, replacement parts, and Magnum products. (Does not include expendable parts and guns/torches listed under 90 and 30 day warranty)

-All Replacement Parts

- 90 Days

-All robotic MIG, TIG, and PAC Torches/cable assemblies

- 30 Days

-All consumable items that may be used with the environmental systems described above. This includes

www.lincolnelectric.com

pg 14

hoses, filters, belts and hose adapters.

-Expendable Parts -LECO is not responsible for replacement of any expendable part required due to normal wear.

*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.

For full terms and conditions please visit:

www.lincolnelectric.com/automation-terms



**Cutting
Systems**

Budgetary Proposal LINCOLN ELECTRIC MASTERPIPE COMPACT PROFILER

Prepared By: Jim Issa

Jim_issa@lincolnelectric.com

904-838-7166

Quote #: Lively Technical Center

Date: 9/07/2017 Valid Until: 12/30/2017

Cust Phone #:

Distributor:

TSR: Jim Issa

Prepared For: Mann Roberts

Email:

Compact CNC Pipe & Tube Cutting Solution

The Lincoln Electric® MasterPipe® Compact CNC Profiler is a two-axis, CNC pipe cutting machine capable of production cutting and profiling of pipe with an outside diameter of one to eight inches and a length of up to 25 feet, with a maximum pipe weight of 1000 lbs.

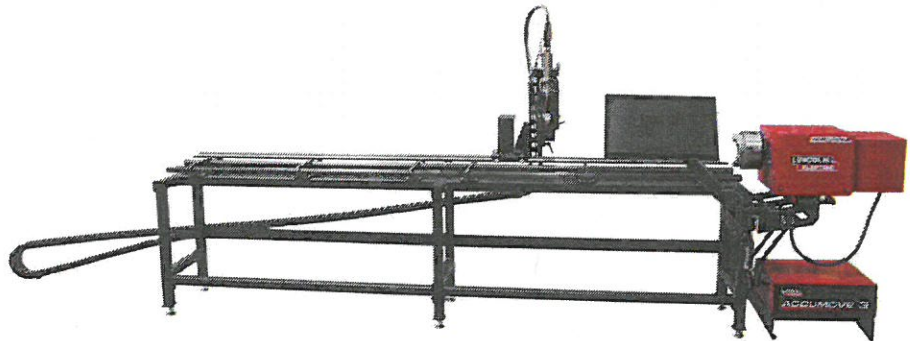
The plasma torch work-lead cable attaches directly to a permanent rotating chuck-connector to provide a "no step, no worry," positive arc current flow. You can quickly position the torch in the manual mounting with throw lever and cam lock clamps, including an easy manual adjustment for torch bevel to decrease hand grinding and weld preparation finish work. These features all reduce the time between cutting operations and lead to real efficiency improvements.

Our FlexCut 80 is a constant current plasma cutting power source that delivers superior cut quality with minimal dross. The power supply is rated 80 amps at 80% duty cycle. The system includes a touchscreen HMI and required software get started cutting quickly.

Requires assembly by end user. Quote valid for 30 days.

SYSTEM INCLUDES

- Complete Compact CNC Profiler
- 80 amp Plasma Cutter – up to 3/4" Mild Steel (19mm)
- Touch Screen HMI
- Next Generation Digital Height Control
- Magnetic Torch Breakaway
- Visual Machine Designer Software and Shape Library
- WINMPM® Pipe Design Software
- Floating 3-Jaw Chuck
- Consumable Starter Kit
- Technical Phone Support
- 1 year complete, single source warranty
- Consumable Program



Finance your Investment
starting at

\$873.00
per month o.a.c.

Starting at

\$44,999.00

Does not include options, freight,
installation, or onsite training.

Call 775-673-2200

For Complete Details

MASTERPIPE™ Compact Profiler



Use plasma to cut tube products like handrails, structural frames, and nozzles with production line speed.

The optional WinMPM software has user-friendly controls to generate cut files for straight cuts, centerline offsets, T, K, & Y profiles, slots, and holes.

Economical CNC Pipe Cutting Solution

- The MASTERPIPE Compact Profiler is a two-axis, CNC pipe cutting machine capable of production cutting and profiling of pipe with an outside diameter of two to eight inches and a length of up to 25 feet, with a maximum pipe diameter of 8 inches and 1000 lbs of total weight.
- Featuring a rugged design and powered by the Torchmate® Driver Software, the MASTERPIPE Compact Profiler improves pipe fabrication productivity and quality by consolidating set-up, programming, and cutting in an easy operation. The Driver software imports DXF files from many CAD/CAM packages including the WinMPM software.
- WinMPM is easy to use and does not require highly skilled operators. An operator can just select a type of cut from a list, enter the size and angle data, and transfer the file to the Driver, where setup is quick and free from trouble.

Features

- Easy loading—one button easily moves the torch carriage near the chuck so that material can be easily and safely loaded, positioned for cutting, and unloaded.
- Consistent plasma quality and arc length—the Arc Voltage Height Control (AVHC) achieves cleaner cuts on pipes and tubing that is “out of round.”
- Cleaner work environment—compressed air removes smoke and fumes.
- Ve-Assist™ remote Internet diagnostics and assistance—maximizes uptime.

Configuration

- The MASTERPIPE Compact Profiler uses a variable-angle, Arc Volt Height Control (AVHC) for the plasma torch. For achieving cleaner cuts on larger diameter material that may be slightly out-of-round, the Arc Voltage Height Control keeps the same arc length, and same quality, throughout the cut. An oxy-fuel attachment is an available option for material with heavy wall thickness.
- The C15 model includes two (2) and the C25 includes four (4) miniball transfer cradle assembly's to make loading and unloading pipe simple. Additional cradle assembly's are available as an option.



Material range

- Large or small diameter material? Long or short material? The automated profiler's variable-jaw chuck handles outside diameters from one to eight inches [two to eight in production]. The smallest sized profiler has a foot-print of only two feet wide and seventeen feet long. The MASTERPIPE Mini Profiler can grow to hold material of up to 24 feet in length.
- To determine cutting speed, amperage, and torch height, identify the material type and wall thickness.



Easy loading

- One button can move the torch mount so that material can be loaded and positioned for cutting. Large or small diameter pipe is supported by a set of easily adjustable ball transfer cradles that can be repositioned away from the cutting action. Adjustable gas-shock chuck supports make it easy to accurately set and lock the chuck height to ensure smooth and level rolling of different diameter material on the cradles.
- The plasma torch work-lead cable attaches directly to a permanent rotating chuck-connector to provide a "no step, no worry," positive arc current flow. Easy manual adjustment for torch bevel to decrease hand grinding and weld preparation finish work. These features all reduce the time between cutting operations and lead to real efficiency improvements.

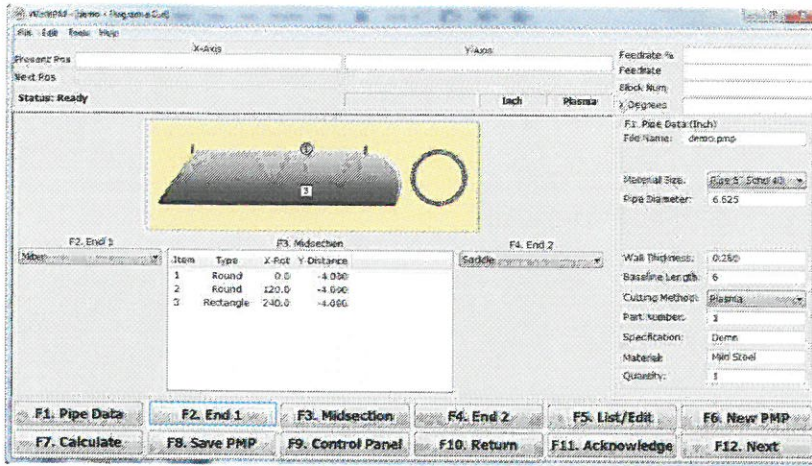
Low-cost software for high-productivity

WinMPM understands pipe cutting

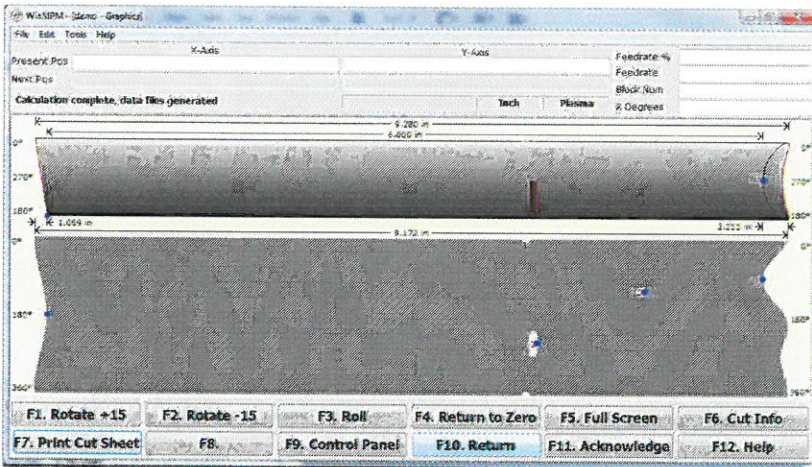
- The best combination for affordable hardware and software to operate the Vernon Tool MASTERPIPE Compact Profiler is a Microsoft Windows® computer, with Torchmate Driver and the WinMPM software. WinMPM generates G-code that executes in the Driver software to control the Torchmate CNC Controller. This controller has been used effectively on thousands of CNC cutting system X-Y tables.

The key to automation efficiency is CNC: the processing of computer generated G-code to produce the precise motion that results in fast, accurate cutting.

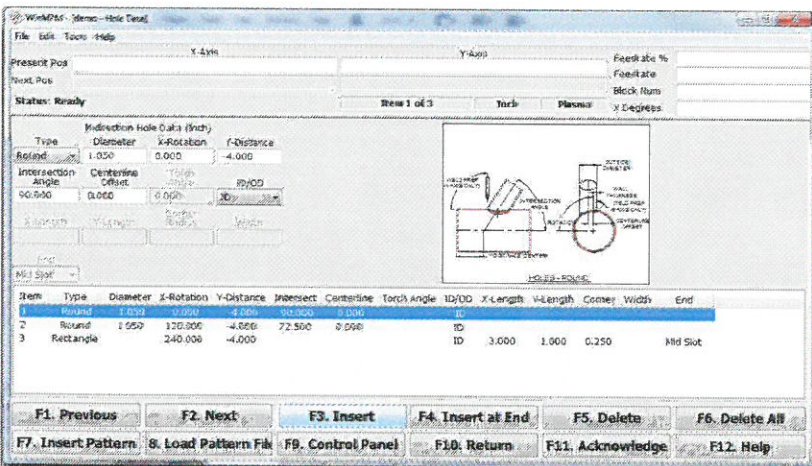




WinMPM design software enables the custom profiling of both ends of the pipe, as well as cutting holes in the midsection of the pipe to attach round or rectangular tubing at any angle. Select from miter, saddle, straight, crown, elbow support, or pipe-to-cone for the ends. For any of the multiple holes you may cut in the midsection, select from round, rectangle, saw cut, bumper, or re-pad.



After calculating the cut paths and checking for errors, WinMPM design software provides a rolling animated view of the pipe as it will be cut, as well as an "unrolled" cutting pattern.



Cut holes and profiles for intersecting pipe with precision and accuracy using the WinMPM software. Simply enter the parameters by referring to the displayed diagrams, load the pipe into position, and begin cutting.



Cutting Systems

BUDGETARY PROPOSAL MASTERPIPE COMPACT PROFILER

DATE

TORCHMATE CNC PLASMA SYSTEMS AND ACESSORIES		Product Number	PRICE	QTY.	QUOTE INCLUDES
MACHINE AND TORCH					
MasterPipe Compact Profiler C15 (14.5' cutting area)		LECS-080-MPCP-15	\$44,999.00		
MasterPipe Compact Profiler C25 (24.5' cutting area)		LECS-080-MPCP-25	\$52,499.00	1	\$ 52,499.00
			Machine Total		\$ 52,499.00
CONSUMABLES-MACHINE CUTTING FC80			Industrial Price	B2B Price	
FlexCut 80 Consumable Starter Kit		K4142-2	\$161.67		
Electrode (LC105M) (5 Pack)		BK12849-1	\$39.55	\$21.75	
Shield Cap (40A) (LC105M)(2 Pack)		BK12849-13	\$34.77	\$19.12	
Shield Cap (60A-80A) (LC105M) (2 Pack)		BK12849-2	\$34.77	\$19.12	
Nozzle 40A (LC105M) (5 Pack)		BK12849-4	\$36.80	\$20.24	
Nozzle 60A (LC105M) (5 Pack)		BK12849-5	\$36.80	\$20.24	
Nozzle 80A (LC105M) (5 Pack)		BK12849-6	\$36.82	\$20.24	
Retaining Cap (LC105M) (1 Pack)		BK12849-8	\$50.08	\$27.54	
Swirl Ring (LC105M) (2 Pack)		BK12849-9	\$37.36	\$20.55	
Retaining Cap (Contact-CTP) (LC105M) (1 Pack)		BK12849-10	\$65.34	\$35.94	
			Consumable Total		\$ 0.00
CNC PLASMA MACHINE CUTTING ACESSORIES AND OPTIONS					
Optional LC105 Handheld Plasma Torch 25 ft. (7.5 m) (FC 80 only)		K2849-1	\$471.15		
Optional LC105 Handheld Plasma Torch 50 ft. (15 m) (FC 80 only)		K2849-2	\$655.18		
Optional Miniball Transfer Cradle Assembly		TMS-051-0001-01	\$546.08		
Three Day Onsite Training			\$6,000.00	1	\$ 6,000.00
Two Day Reno Campus CAD Training			Call		
			Accessory Total		\$ 6,000.00
		Mileage	Requested Delivery Date		
Domestic Shipping FOB Reno \$1.25 per mile		2,900.00			\$ 3,625.00
International Shipping FOB San Francisco		<input type="checkbox"/>	\$500.00		
			Shipping Total		\$ 3,625.00
			Subtotal		\$ 62,124.00
			Estimated Tax		\$ 0.00
Po #			Grand Total		\$ 62,124.00
Cardholder		cv	Payment Terms		

Please Note: Onsite forklift is required to take delivery. Requires Assembly.

- I have been made aware of my [training options](#)
- I have read and understand the [terms and conditions](#)

Customer Signature