



Craft Automation  
5348 N Riverview Dr  
Kalamazoo, MI 49004

616.826.4515  
RyanS@CraftAutomation.com



**BREWING**



**DISTILLING**



**FERMENTATION**

# **ZIPLINE**

## **BREWING CO**

Proposal for Marcus Powers  
Company: Zipline Brewing

Project: CQ23051201ZL-01

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May 19th, 2023

ATTN:  
Marcus Powers  
Zipline Brewing Co.

Marcus,

Thank you for the opportunity to provide a proposal for the above-referenced control solution. Craft Automation is proud to present this system as we believe it will profoundly improve your process safety, control, and throughput while quickly providing the required ROI. In addition to the physical control solution, we will also be providing exceptional customer support throughout the life of the project to keep production maximized and reduce downtime.

- **CONTROL SOLUTION PROVIDED**

Our equipment offering is a combination of customized fabricated equipment and equipment manufactured by our trusted partners that have been laid out and configured to meet your specific needs, as well as current industrial standards. We look forward to partnering with you to continually improve this collaboration.

- **ONSITE COMMISSIONING OFFERING**

Having our experts onsite to test, tune, and troubleshoot your new control solution will provide the quickest and safest path to production. Onsite time also provides an excellent opportunity to train your staff on the control interface and how it will enable them to better utilize their time.

- **BUDGETARY OFFERING**

This offering, while comprehensive based on our meetings and the information provided, is preliminary in nature and for estimated budgetary purposes only. It is our intent to update or modify as additional information is given and some pricing may be subject to time-related market changes.

**Our proposal is valid for 30 calendar days from date of issuance. After 30 days, please contact us for updated pricing.**

Thank you again for considering Craft Automation's proposal for your project scope. We look forward to delivering a successful solution! Please do not hesitate to contact us with any questions.

Sincerely,  
Craft Automation

Ryan Stockinger  
616-826-4515 | [RyanS@CraftAutomation.com](mailto:RyanS@CraftAutomation.com)

A handwritten signature in red ink that reads "Ryan Stockinger".

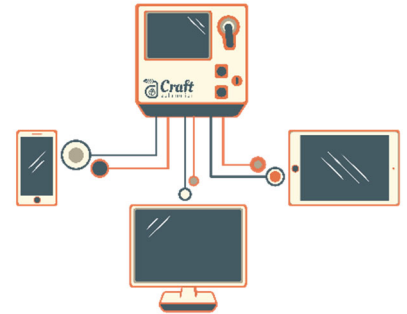


## Advanced Automation Features

Every Craft Automation control panel features advanced technology to keep your system process consistent and safe. Below are a few of the standard features we offer,

### Remote Monitoring and Control

Instant remote access and control of your Craft Automation system allows you to maintain your process control while remaining attentive and flexible to your other tasks. Couple our remote access feature with a network connected VPN device and you have access from anywhere in the world.



### Recipe Management

Automated systems feature advanced recipe control that allows the user to consistently create their product time after time. By integrating every setpoint into our recipe data retention system it greatly reduces the margin for error while allowing the user a degree of controlled flexibility to maintain a creative aspect. The recipe's data retention also reduces user training and allows your company to effectively onboard new employees in far less time.



### Email and Text Alert Notifications

Email and text alert notifications provide added safety and security to your process by providing instant feedback to any process failures. Notifications also contain important process data to provide your team the information required to make efficient decisions to safely maintain production.



### Continuous Data Logging and Batch Reports

All automated Craft Automation solutions feature an advanced data logging system that continuously logs important process data throughout the process. This data is then compiled at the end of the process into a comprehensive batch report that is delivered via email.



## Industry Leading Construction and Support

### Industry Required UL508A Certification

All Craft Automation control panels are built with UL standard components having been thoroughly tested to meet UL's tough requirements. Control solutions featuring this UL label easily pass municipality electrical expectations while lowering customer insurance rates.



### Quality Components and Construction

Every control panel working its way through our production facility has been painstakingly engineered to provide a safe, organized, and efficient layout designed to reduce installation and troubleshooting costs. Every wire and component is independently marked for simple reference.

### Warranty

We're so confident in our product catalog we offer a ONE year warranty on all parts and engineering. This also includes warranty coverage for programming concerns.

### Customer Support and Troubleshooting

Our team is readily available to help support you and your Control solution with fast and efficient troubleshooting. We understand how important your production is and always act quickly to get you back up and running in the event of a failure. Our stocking program also provides quick turn around on critical parts.

### Industry Leading Innovation and Hardware

Craft Automation is continuously innovating our process controls to create the most efficient, economical, and rugged system available to the industry. Using proven hardware platforms like **Allen Bradley** and **IDEC** allow our team to create advanced applications easily adopted by your team which will drastically reduce onboarding time and employee turnover.



**Allen-Bradley**

by ROCKWELL AUTOMATION

## Drawings

### Inclusions:

- A. Electrical Schematics – Client signature for approval can be requested.
- B. Panel Layout with HMI location dimensions – Client signature for approval can be requested
- C. Generic Pull Chart with general conductor and gauge references

### Exclusions:

- A. PE Stamp unless otherwise stated.

## Installation

### Inclusions:

- A. Electrical - Optional Commissioning available
- B. Electrical – Optional Installation may be quoted if required

### Exclusions:

- A. All labor, support hangers, hardware, anchors, and supplies required to complete installation of proposed equipment.
- B. All labor for uncrating and assembly of various components.
- C. Labor & equipment for rigging and placement of components.
- D. Electrical – wiring to main control panel and from main control panel to devices.
- E. Supervision guidance available upon request.

## Delivery

### Inclusions:

- A. Freight costs to be added to final invoice.
- B. Client may arrange freight logistics directly with their preferred freight forwarder.
- C. Shipments of goods directly from manufacturers between regular working hours, Monday through Friday excluding holidays.

### Exclusions:

- A. Receipt, unloading, inspection, and storage.
- B. FOB: Shipping Point

## Payment Terms

- A. Deposit of 50% required with signed contract.
- B. Final 50% and freight are invoiced due prior to equipment shipment.
- C. Sensors, Valves, Meters, and other accessories are invoiced 100% ARO

Costing Details	
Brewhouse Controls	\$19,897.00
Brewhouse Control Additions (OPTIONAL)	\$3,278.00
Sensors, Valves, and Accessories	\$13,444.00
Commissioning	\$4,974.00
Freight Estimate	\$889.00
Taxes (Tax Exempt Form Required if applicable)	State Percentage (%)
<b>TOTAL (Includes OPTIONAL Items)</b>	<b>\$42,482.00</b>
Expected Lead Time: <b>10-12</b> Weeks After Down Payment	



Visit us at [CraftAutomation.com](http://CraftAutomation.com)

**Customer Contact:** Nick Posloski  
**Company Name:** First Key Consulting  
**Shipping Address:** Victoria, CA

**Email:** [nick.posloski@firstkey.com](mailto:nick.posloski@firstkey.com)  
**Phone:** 778.922.6258

**MiCraft, LLC**  
5348 N Riverview Dr  
Kalamazoo, MI 49004

**Phone:** 269.389.0048  
**Email:** [Sales@CraftAutomation.com](mailto:Sales@CraftAutomation.com)

**Quotation Number:** CQ23051201LQACZL-01  
**Quotation Date:** Tuesday, June 6, 2023  
**Description:** Liquor Control Solution (Zipline)

Line Item	Qty.	Description	Net Price	Total Price
A	1	<p><b>Semi-Automated BHCP Control Center (cUL Listed)</b> <b>208V</b> 3PH 60Hertz (+10%) <b>IEDEC Platform</b> Safe 24VDC Control Voltage Safety and Switch Labeling Wireway Organization Craft Automation Decal</p> <p><b>Complete Control Enclosure (Powder Coat)</b> All motor and control hardware will be contained in a single cabinet. The user touchscreen will also be mounted within this single cabinet.</p> <p><b>Certifications, Listings, and Class Rating</b> cUL Listed under UL508a Currently a 5 SCCR Rating Maximum (Higher Ratings are Available)</p> <p><b>Safety Devices</b> E-Stop Pushbutton Device Non-Fused Main Panel Disconnect Engineered Branch Protection Integrated Safety Relay for All Motors for Class Protection</p> <p><b>Automation Hardware Assembly</b> <b>12" Full Color Bold Touchscreen User Interface</b> <b>IEDEC HG Series</b> Action Notifications for User Feedback Touchscreen Motor and Valve Control Alarm Log Continuous Data Streaming Graphical Trending</p> <p><b>Integrated PLC for I/O Control</b> <b>IEDEC FC6A Series</b> Reliable Process Control Durable Hardware with Proven Industry Experience Expansion Abilities for Easy Additions</p> <p><b>Standard Automated Features</b></p> <p><b>Remote Connectivity</b> Remote Access From a <b>Network Connected</b> Browser Enabled Device Global Access From Any Browser Enabled Device <b>via Customer Provided VPN</b> Control All Features of the System Secure Connection</p> <p><b>Recipe Management</b> Dedicated recipe management software to drive consistency and repeatability Ability to update recipes through the process for data retention</p>	\$19,897.00	\$19,897.00

By signing below, you agree to purchase the equipment described under the terms and conditions set forth by MiCraft, LLC.

<b>Signature:</b> 	<b>Date:</b> 6/9/2023
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Line Item	Qty.	Description	Net Price	Total Price
		<p><b>Email And Text Notifications</b>  Email and/or Text Notifications for Important Process Points  Email and/or Text Notifications for Over/Under Temperature Events  Email and/or Text Notifications for Safety Events</p> <p><b>Continuous Data Logging</b>  PLC Hardware will continuously data log all process setpoints and values to local SD card  Initial structure for server data management</p> <p><b>Hot Liquor Tank Assembly</b>  Maintains hot liquor (water) for the brewing process</p> <p><b>Automated Features</b>  - HLT Heat Exchanger Temperature Control  Maintains tank temperature utilizing automated heating control  - HLT Level Control and Display  System maintains controlled level and displays available volume  - HLT Recirc Control and Flow Switch Monitor  System monitors the HLT pump and determines if proper flow is available  - Advanced Dilution Control  Programming allows the user to precisely dilute high gravity wort with clean HLT water  - Data Display  Display and record all temperature, flow, volume, and pressure data points</p> <p><b>Automated Inputs per Process</b>  - HLT Recirc Temperature Sensor (AI)  - HLT Pressure Transducer (Level) (AI)  - HLT Recirc Flow Transmitter (DI) (Optional)</p> <p><b>Automated Outputs per Process</b>  - HLT HEX Steam Valve (DO)  - HLT Fill Valve (DO)  - HLT Recirc Valve (DO)  - HLT Dilution Valve (DO)</p> <p><b>Automated Pump Control</b>  - HLT Recirc/Supply Pump (On/Off)</p> <p><b>1.5HP Motor Control Assembly</b></p> <p><b>Cold Liquor Tank Assembly</b>  Maintains cold liquor (water) for the brewing process</p> <p><b>Automated Features</b>  - CLT Heat Exchanger Temperature Control  Maintains tank temperature utilizing automated cooling control  - CLT Level Control and Display  System maintains controlled level and displays available volume  - CLT Recirc Control and Flow Switch Monitor  System monitors the HLT pump and determines if proper flow is available  - Knockout Temperature Control Integration  Advanced tech utilizes CLT pump or valve modulation to precisely maintain consistent knockout temperatures  - Precision Dosing Control  Control system will monitor and control acid dosing pump to add the correct amount of chemical based on added water  - Data Display  Display and record all temperature, flow, volume, and pressure data points</p> <p><b>Automated Inputs per Process</b>  - CLT Recirc Temperature Sensor (AI)  - CLT Pressure Transducer (Level) (AI)  - CLT Recirc Flow Transmitter (DI) (Optional)</p>		

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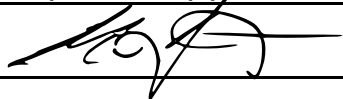
Signature: 	Date: 6/9/2023
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Line Item	Qty.	Description	Net Price	Total Price
		<p><b>Cold Liquor Tank Assembly (COUNTINUED)</b></p> <p><b>Automated Outputs per Process</b></p> <ul style="list-style-type: none"> <li>- CLT HEX Glycol Valve (DO)</li> <li>- CLT Fill Valve (DO)</li> <li>- CLT Recirc Valve (DO)</li> <li>- CLT to KO Valve (DO)</li> <li>- KO CLT Modulation Valve (AO)</li> </ul> <p><b>Automated Pump Control</b></p> <ul style="list-style-type: none"> <li>- CLT Recirc/Supply Pump (On/Off)</li> </ul> <p><b>1.5HP Motor Control Assembly</b></p> <ul style="list-style-type: none"> <li>- Acid Dosing Pump</li> </ul> <p><b>190VA Motor Control Assembly</b></p> <p><b>Boil Kettle Assembly</b></p> <p>Vessel is used to boil and sanitize the wort</p> <p><b>Automated Features</b></p> <ul style="list-style-type: none"> <li>- BK Heat Exchanger or Steam Jacket Temperature Control <ul style="list-style-type: none"> <li>Maintains pre-heat setpoint and boil utilizing automated steam control</li> </ul> </li> <li>- Boil Over Alert Notifications <ul style="list-style-type: none"> <li>System monitors boil over condition and safely shuts steam down</li> </ul> </li> <li>- Manway Protection <ul style="list-style-type: none"> <li>System maintains a safe process by limiting mechanical operation when manway is open</li> </ul> </li> </ul> <p><b>Automated Inputs per Process</b></p> <ul style="list-style-type: none"> <li>- BK Temperature Sensor (AI)</li> <li>- Boil Sensor (DI)</li> <li>- Manway Prox Sensor (DI) (Optional)</li> </ul> <p><b>Automated Outputs per Process</b></p> <ul style="list-style-type: none"> <li>- BK Steam Inlet Valve (DO)</li> </ul> <p><b>Knockout Assembly</b></p> <p>Assembly is used to cool hot wort to a fermentation specification</p> <p><b>Automated Features</b></p> <ul style="list-style-type: none"> <li>- Automated KO Process Control (Temperature) <ul style="list-style-type: none"> <li>System will automatically control outgoing wort temperature for consistent knockout</li> </ul> </li> <li>- KO Return Water Management <ul style="list-style-type: none"> <li>System will monitor HLT tank level and direct KO return water</li> </ul> </li> </ul> <p><b>Automated Inputs per Process</b></p> <ul style="list-style-type: none"> <li>- KO Temperature Sensor (AI)</li> <li>- KO Flow Meter (AI)</li> <li>- KO Totalizer (DI)</li> </ul> <p><b>Automated Outputs per Process</b></p> <ul style="list-style-type: none"> <li>- Hot Wort KO Inlet Valve (DO)</li> <li>- Hot Liquor KO Inlet Valve (DO)</li> </ul> <p><b>Automated Pump Control</b></p> <ul style="list-style-type: none"> <li>- CLT Pump (On/Off)</li> </ul> <p><b>Pneumatic Control Assemblies</b></p> <p><b>(9) Pneumatic Solenoid Assemblies</b></p> <ul style="list-style-type: none"> <li>Touchscreen Valve Control</li> <li>Air Open / Spring Air Close. Fail Close</li> <li>HMI Fault Status Display and Log</li> </ul>		

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Signature:



Date:

6/9/2023

Line Item	Qty.	Description	Net Price	Total Price
<b>B</b>	<b>1</b>	<b>Full Brewhouse Control Addition (OPTIONAL)</b> Option adds the following control,  Automated Inputs per Process - Lauter Tun Temperature Sensor (AI)  Automated Outputs per Process - Wort Receiver Light (DO)  Automated Motor Control - Grain Out Sweep Motor (VFD) <b>3.0HP NEMA 1 Variable Freq Drive with Speed Control</b> - Vorlauf Pump (On/Off) <b>1.0HP Motor Control Assembly</b> - Grain Auger Motor (On/Off) <b>0.75HP Motor Control Assembly</b> - Stack Fan Motor (On/Off) <b>1/4HP Motor Control Assembly</b>	<b>\$3,278.00</b>	<b>\$3,278.00</b>

**FULL TERMS AND CONDITIONS AVAILABLE ON REQUEST OR AT CRAFTAUTOMATION.COM/TERMS-AND-CONDITIONS**

**Warranty Information**

All parts and components come with a 1yr warranty.  
Customer is responsible for the cost of any part and component replacements (including shipping charges) if the malfunction is due to issues within user setup or user error.  
Craft Automation will facilitate a manufacturers warranty replacement of any part or component if the part issue is in fact deemed a factory defect by the manufacturer.  
Craft Automation will cover the cost of a part and component replacement (including shipping charges) if a malfunction is due to engineering or programming error within the panel.  
Craft Automation is not responsible for any onsite replacement installation of any part or component.  
*For any returned equipment the Warranty Processing Agreement must be signed and submitted by the customer.*

**Support Information**

Onsite Control Commissioning is available for an additional charge.  
Craft Automation happily provides customer phone support for the first year of use of our product.  
Additional Tech Support outside the first year of use may be accommodated based on the scope of support requested; additional charges may apply.

*For more information please request to see the Tech Support and Commissioning Outline.*


**Terms:** 50% ARO, 50% Prior Delivery  
**Payment:** Check = No Fee; ACH Transfer = No Fee; Wire Transfer = \$15 Fee; Credit Card = 3.5% Fee  
**Sales Tax:** Customer Is Responsible for Any Applicable Sales Tax Unless a Tax Exempt Certificate is Provided Upon Order  
**Expedite:** Additional Costs May Be Associated To Orders Requested, Please Request A Quote  
**Change Order:** Buyer Is Responsible For Costs And Expenses Incurred By Seller As A Result Of A Change Order  
**Storage Fee:** 2.0% of Principal Amount Per Month After 30 Days Post Completion or Agreed Ship Date  
**Late Payment:** 1.5% of Principal Amount, Due at the End of Each 30 Day Period Post Due Date  
**Freight:** Collect on Customer Fed Ex Acct.  
**Delivery:** 10-12 Weeks  
**FOB:** Kalamazoo, Michigan

*Ryan Stockinger*

**This quote is only valid for 30 days from date of submission.**

This quotation is offered under the expressed agreement all Terms and Conditions described here within or online at craftautomation.com this quotation supersedes any and all other Terms and Conditions not supplied by MiCraft, LLC; unless specified in a written and signed agreement by MiCraft, LLC

**By signing below, you agree to purchase the equipment described under the terms and conditions set forth by MiCraft, LLC.**

<b>Signature:</b> 	<b>Date:</b> 6/9/2023
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Visit us at [CraftAutomation.com](http://CraftAutomation.com)

**Customer Contact:** Nick Posloski  
**Company Name:** First Key Consulting  
**Shipping Address:** Victoria, CA




**Email:** [nick.posloski@firstkey.com](mailto:nick.posloski@firstkey.com)  
**Phone:** 778.922.6258

**MiCraft, LLC**

5348 N Riverview Dr  
 Kalamazoo, MI 49004






**Phone:** 269.389.0048  
**Email:** [Sales@CraftAutomation.com](mailto:Sales@CraftAutomation.com)

**Quotation Number:** CQ23051203EQPTZL-02  
**Quotation Date:** Tuesday, June 6, 2023  
**Description:** Accessory Calculator

Line Item	Qty.	Description	Net Price	Total Price
	2	<b>Steam Control Valve</b> 2" NPT Connection Pneumatic Angle Seat <b>Stainless Steel Construction</b> On/Off Operation with pneumatic Spring Return Normally Closed  <b>Valve Description</b> - HLT HEX Steam Valve (DO) - BK Steam Inlet Valve (DO)	\$1,132.00	\$2,264.00
	1	 <b>Flow Meter (40GPM) (SM)</b> Sanitary Mag Meter with Analog Flow Output and Pulse Totalizer Flowmeter features an LCD screen with local flowrate <b>Includes 2" Tri-Clamp Adapters</b> <b>Includes 25m Cable</b> Calibration and Programming will be required  <b>Flow Accuracy - 0.8% Flow Rate + 0.2% Max Flow Rate</b> <b>Totalizer Accuracy - 0.5% to 0.7% of total</b>  <b>Application Description</b> - KO Flow Meter (AI)	\$1,081.00	\$1,081.00
	5	<b>High Accuracy Temperature Sensor</b> RTD with 4-20mA Analog Transmitter (Reduces Noise and Variability) (0-300F) Applicable Temperature Range Sensor Style Required for Long Distance Wiring 1/2" MNPT Thermowell Connection Various Probe Lengths Available (Note with Order) 1/4" Diameter 316 Stainless Steel Probe  <b>Sensor Description</b> - HLT Recirc Temperature Sensor (AI) - CLT Recirc Temperature Sensor (AI) - BK Temperature Sensor (AI) - KO Temperature Sensor (AI) - Lauter Tun Temp Sensor (AI) (OPTIONAL)  <b>Tri-clamp options are available</b>	\$242.00	\$1,210.00


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<b>Signature:</b> 	<b>Date:</b> 6/9/2023
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Line Item	Qty.	Description	Net Price	Total Price
	1	<b>Acid Dosing Pump</b> Flow rates 0.1 to 333ml/min at up to 7 bar (100psi) RMS pressure Flow control 3330:1 with accuracy Manual, analogue or contact mode functionality 4-20mA input ReNu pump head provides accurate, linear and repeatable flow IP66 ingress protection Three year warranty  <b>Pump Description</b> - Acid Dosing Pump (AO)	\$2,989.00	\$2,989.00
	1	 <b>Boil Over Sensor</b> Point Level Detection Sensor for reliable level control <b>500mm probe and required internal relay are included</b> Sanitary Construction Reliable Suppression of Foam and deposits <b>Includes 2" tri-clamp connection</b> <b>Includes M12 Adapter</b>  <b>Sensor Description</b> - Boil Sensor (DI)	\$697.00	\$697.00
	2	<b>Level Transducers</b> Tri-clamp Analog Pressure Output with local LCD Screen <b>Includes 2" Tri-Clamp Connection</b> <b>Includes 25m Cable</b> Calibration and Programming will be required Onsite  <b>Sensor Description</b> - HLT Pressure Transducer (Level) (AI) - CLT Pressure Transducer (Level) (AI)	\$989.00	\$ 1,978.00
	7	 <b>Sanitary Butterfly Process Valves</b> Pneumatic Actuator / Spring Return 1.5" Tri-clamp Connection Gasket Material - Pressure Rating  <b>Valve Description</b> - HLT Recirc Valve (DO) - HLT Dilution Valve (DO) - CLT HEX Glycol Valve (DO) - CLT Recirc Valve (DO) - CLT to KO Valve (DO) - Hot Wort KO Inlet Valve (DO) - Hot Liquor KO Inlet Valve (DO)	\$298.00	\$ 2,086.00
	2	<b>Sanitary Butterfly Process Valves (On/OFF)</b> Pneumatic Actuator / Spring Return 2" Tri-clamp Connection Gasket Material - Pressure Rating  <b>Valve Description</b> - CLT Fill Valve (DO) - HLT Fill Valve (DO)	\$282.00	\$ 564.00

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Signature: 	Date: 6/9/2023
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Line Item	Qty.	Description	Net Price	Total Price
	1	 <b>Modulating Cooling Control Valve</b> CCV Assembly 2 Way <b>CV Specified by selection</b> Forged Brass, Nickel Plated Brass Body, Stainless Steel Ball and Stem Direct Coupled Actuator, 180 in-lb., Modulating, Spring Return 24VDC, 4-20mA w/ Resistor  <b>Valve Description</b> - KO CLT Modulation Valve (AO)  <b>Accessory Total</b>  <b>Notes:</b> - System does not contain intrinsically safe barriers so all sensors and spark generating devices must be located outside of the hazard zone	\$575.00	\$575.00
				\$13,444.00

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 Customer is responsible for the cost of any part and component replacements (including shipping charges) if the malfunction is due to issues within user setup or user error.  
 Craft Automation will facilitate a manufacturers warranty replacement of any part or component if the part issue is in fact deemed a factory defect by the manufacturer.  
 Craft Automation will cover the cost of a part and component replacement (including shipping charges) if a malfunction is due to engineering or programming error within the panel.  
 Craft Automation is not responsible for any onsite replacement installation of any part or component.  
*For any returned equipment the Warranty Processing Agreement must be signed and submitted by the customer.*

#### Support Information

Craft Automation provides Remote Control Commissioning at no charge.  
 Onsite Control Commissioning is available for an additional charge.  
 Craft Automation happily provides customer phone support for the first year of use of our product.  
 Additional Tech Support outside the first year of use may be accommodated based on the scope of support requested; additional charges may apply.  
*For more information please request to see the Tech Support and Commissioning Outline.*

**Terms:** 50% ARO, 50% Prior to Delivery; Parts 100% Due on Receipt  
**Payment:** Check = No Fee; ACH Transfer = No Fee; Wire Transfer = \$15 Fee; Credit Card = 3.5% Fee  
**Sales Tax:** Applicable Sales Tax Charged Unless Tax Exempt Certificate is Provided Upon Order  
**Expedite:** Additional Costs May Be Associated To Expedited Orders, Please Request A Quote  
**Change Order:** Additional Costs Are Associated With a Change Order, Please Request A Quote  
**Storage Fee:** 2.0% of Principal Amount Per Month After 30 Days Post Completion or Agreed Ship Date  
**Late Payment:** 1.5% of Principal Amount, Due at the End of Each 30 Day Period Post Due Date  
**Freight:** Prepaid and Add to Invoice  
**Delivery:** 6-8 Weeks ARO  
**FOB:** Kalamazoo, Michigan

**This quote is only valid for  
30 days from date of  
submission.**

This quotation is offered under the expressed agreement all Terms and Conditions described here within or online at craftautomation.com this quotation supersedes any and all other Terms and Conditions not supplied by MiCraft, LLC; unless specified in a written and signed agreement by MiCraft, LLC



By signing below, you agree to purchase the equipment described under the terms and conditions set forth by MiCraft, LLC.

Signature: 	Date: 6/9/2023
--	----------------



Visit us at [CraftAutomation.com](http://CraftAutomation.com)

**Customer Contact:** Nick Posloski  
**Company Name:** First Key Consulting  
**Shipping Address:** Victoria, CA

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**Phone:** 778.922.6258

**MiCraft, LLC**  
5348 N Riverview Drive  
Kalamazoo, MI 49004

**Phone:** 269.389.0048  
**Email:** [ap-ar@CraftAutomation.com](mailto:ap-ar@CraftAutomation.com)

**Quotation Number:** CQ23051201CMSNZL-01  
**Quotation Date:** Tuesday, June 6, 2023  
**Description:** Commissioning Costing

Line Item	Qty.	Description	Net Price	Total Price
		<b>Onsite Commissioning Summary</b> <b>Per Day Commissioning</b> <ul style="list-style-type: none"><li>- Commissioning is designed to verify proper I/O signals, motor operation, and process automation.</li><li>- Commissioning will consist of verifying the full process control with all materials available.</li><li>- Electrical and Mechanical scope must be complete and in working order for commissioning to finish.</li><li>- The end customer must maintain a clear and unrestricted access to the job area and equipment at all times during our onsite.</li><li>- Area must be clean and free of debris</li><li>- Craft Automation accepts NO liability for the equipment being commissioned. Any warranty concerns will be directed to the equipment provider.</li><li>- Any lifts, fork trucks, or other equipment necessary will be the responsibility of the customer unless specifically quoted. Craft Automation will make an effort to request any needed equipment prior to the onsite. However, equipment may be needed same day in some instances.</li><li>- Customer must furnish, prior to arrival, all necessary information, schematics, process information, and related documents or incur potential delays.</li><li>- Any and all customer requested relocating, cleaning, rework, modifications, and or repairs not specifically tied to the original project scope will be subject to additional charges.</li><li>- Service rates apply to a door to door basis.</li><li>- Onsite assistance scheduled with less than (10) business days notice will be billed under a 1.3 multiplier. This includes travel as well.</li></ul> <b>At least three weeks notice of requested onsite date is required.</b> <b>Additional charges may be assessed if less than three weeks notice is given in order to compensate for increased travel costs.</b>		
B	2	<b>Per Day Commissioning ONSITE Rate (ONE PERSON) (ENGINEER)</b> Applies to ONSITE commissioning work performed Onsite Charge includes per diem, lodging, and labor At least ONE full day charge is required Cost is based on jobsite being located within the Continental US.	\$1,498.00	\$2,996.00
B1	2	<b>Per Day Commissioning TRAVEL Rate (ONE PERSON) (ENGINEER)</b> Applies to TRAVEL days required to arrive onsite from the Craft Automation facility. Travel Charge includes mileage, per diem, lodging, travel labor, fuel, and rental car fee. Airfare will be charged at cost plus 10% in addition to the travel day charge if that is the most economical method of transportation. At least TWO travel days are required per project. Only exception is if the electrical installation and all travel, to and from, can be completed in one day. Then ONE travel day will be assessed to the customer Cost is based on jobsite being located within the Continental US.	\$989.00	\$1,978.00
		<b>COMMISSIONING TOTAL</b>		<b>\$4,974.00</b>

By signing below, you agree to purchase the equipment described under the terms and conditions set forth by MiCraft, LLC.

<b>Signature:</b> 	<b>Date:</b> 6/9/2023
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**FULL TERMS AND CONDITIONS AVAILABLE ON REQUEST OR AT CRAFTAUTOMATION.COM/TERMS-AND-CONDITIONS**

**Warranty Information**

All parts and components come with a 1yr warranty.

Customer is responsible for the cost of any part and component replacements (including shipping charges) if the malfunction is due to issues within user setup or user error.

Craft Automation will facilitate a manufacturers warranty replacement of any part or component if the part issue is in fact deemed a factory defect by the manufacturer.

Craft Automation will cover the cost of a part and component replacement (including shipping charges) if a malfunction is due to engineering or programming error within the panel.

Craft Automation is not responsible for any onsite replacement installation of any part or component.

*For any returned equipment the Warranty Processing Agreement must be signed and submitted by the customer.*

**Support Information**

Craft Automation provides Remote Control Commissioning at no charge.

Onsite Control Commissioning is available for an additional charge.

Craft Automation happily provides customer phone support for the first year of use of our product.

Additional Tech Support outside the first year of use may be accommodated based on the scope of support requested; additional charges may apply.

*For more information please request to see the Tech Support and Commissioning Outline.*

**Terms:** 50% ARO, 50% Prior to Delivery; Material 100% Due on Receipt  
**Payment:** Check = No Fee; ACH Transfer = No Fee; Wire Transfer = \$15 Fee; Credit Card = 3.5% Fee  
**Sales Tax:** Applicable Sales Tax Charged Unless Tax Exempt Certificate is Provided Upon Order  
**Expedite:** Additional Costs May Be Associated To Expedited Orders, Please Request A Quote  
**Change Order:** Additional Costs Are Associated With a Change Order, Please Request A Quote  
**Storage Fee:** 2.0% of Principal Amount Per Month After 30 Days Post Completion or Agreed Ship Date  
**Late Payment:** 1.5% of Principal Amount, Due at the End of Each 30 Day Period Post Due Date  
**Freight:** TBD  
**Delivery:** TBD  
**FOB:** Kalamazoo, Michigan  
**This quote is only valid for  
30 days from date of  
submission.**



This quotation is offered under the expressed agreement all Terms and Conditions described here within or online at craftautomation.com this quotation supersedes any and all other Terms and Conditions not supplied by MiCraft, LLC; unless specified in a written and signed agreement by MiCraft, LLC

**By signing below, you agree to purchase the equipment described under the terms and conditions set forth by MiCraft, LLC.**

**Signature:**

**Date:**