

JOB DESCRIPTION

Job title	<i>Electrical Fabrication Technician</i>	FLSA: Non-exempt Classification: A
Reports to	<i>Director of Automation Technologies</i>	Department: Maintenance JD Reviewed: 12/21/22

Job purpose

Responsible for installation, maintenance, programming and troubleshooting of automation and other production equipment.

Essential Functions

1. Installs and wires automation equipment.
2. Programs robots and provides training for automation equipment.
3. Troubleshoots and diagnoses electrical, hydraulic, mechanical and pneumatic deficiencies of production equipment.
4. Interprets and utilizes electrical, hydraulic, mechanical and pneumatic drawings of production equipment.
5. Operates and evaluates performance of production equipment; and corrects deficiencies.
6. Welds and follows safe welding practices (W.I.'s 16.09.20, 16.09.21).
7. Adheres to CWM's Cultural Pillars (Maintain a positive attitude; Show respect for others; Meet commitments; Maintain transparency; Do not cater to rank).

Additional Responsibilities

1. Performs other duties as assigned.
2. Utilizes hand tools, power tools, and hoists/cranes to repair and maintain production equipment.
3. Utilizes calipers, micrometers and other gauges to evaluate production equipment components.
4. Identifies and specifies required machine components.
5. May be trained and assigned to operate a forklift.
6. Keeps work area clean of debris and safety hazards.
7. Complies with Safety Policies and reports unsafe conditions.
8. May be trained and assigned to perform Plant Start-up & Shutdown Procedures and Weekend/Holiday Shutdown Facilities Check (W.I.'s 16.09.22, 16.09.23, 16.09.24).
9. May be assigned Team Leader responsibilities (guidance of B level and lower maintenance mechanics).

Education, Experience and Competencies

1. High School Diploma or equivalent and a minimum of five (5) years of wiring experience/maintenance mechanic.
2. Ability to read, write, speak and understand English well.
3. Must demonstrate capability of using hand and power tools.
4. Understands safety policies, quality policy and environmental policies.
8. Has basic understanding of PLC's.

Wage Range: \$30.00 - \$40.00

Direct reports

None

I have reviewed and determined that this job description accurately reflects the position.

Employee Signature:

Print Name:

Date:

Manager Signature:

Print Name:

Date:

JOB ANALYSIS FORM

POSITION TITLE: AUTOMATION SPECIALIST

PHYSICAL REQUIREMENTS	WEIGHT/ REACH (LBS./FT.)	% TIME	Comment briefly on job responsibilities that require physical demands checked
A. Standing		95%	Working with machines in plant
Walking		30%	Moving from area to area
Sitting		5%	Working at bench
B. Lifting	60lbs.	5%	Lifting machine components
Carrying	60lbs.	2%	Moving machine components
Pushing	60lbs.	2%	Moving machines/equipment
Pulling	60lbs.	2%	Moving machines/equipment
Holding		10%	Hand tools/power tools
C. Climbing		5%	Machines/equipment/ladders
Balancing		0%	
D. Stooping		1%	To look at machine controls
Kneeling		1%	While servicing machines/equipment
Crouching		1%	While servicing machines/equipment
Crawling		0%	
E. Reaching		1%	While servicing machines/equipment
Handling		1%	While servicing machines/equipment
Cleaning		2%	While servicing machines/equipment
Inserting		0%	
Opening		0%	
Removing		2%	While servicing machines/equipment
Sorting		0%	
Threading		2%	
Unfolding		0%	
Unlocking		0%	
Weighing		0%	
F. Speaking		20%	To communicate instructions
Hearing		100%	To receive instructions/safety
G. Seeing		100%	Safety
Depth Perception		25%	Safety
Color Vision		0%	
Driving		5%	Moving materials/equipment w/forklift
H. Collating		0%	
Dialing		0%	
Filing		0%	
Scheduling		0%	
Stamping		0%	
Stapling		0%	
Turning Pages		0%	
Typing		0%	
Using Keyboard (coding)		0%	
Writing		5%	Filling out paperwork

Name of work place: Chicago White Metal

Assessment conducted by: Max Golovin

Work place address: 649 N Route 83

Date of assessment: 12/21/22

Work area(s): Automation Specialist

PPE Selected By: Max Golovin

Job/Task(s): Automation Specialist

Effective Date: 12/21/22

EYES/FACE <input type="checkbox"/> Negligible Hazard		Can hazard be eliminated without the use of PPE? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Work-related exposure to: <input checked="" type="checkbox"/> airborne dust <input checked="" type="checkbox"/> flying particles <input type="checkbox"/> hazardous liquids/chemicals <input type="checkbox"/> intense light <input type="checkbox"/> blood splashes <input type="checkbox"/> other: _____	PPE required to manage hazard: <input checked="" type="checkbox"/> Safety glasses <input type="checkbox"/> Safety goggles <input type="checkbox"/> Face Shield <input checked="" type="checkbox"/> Shading/Filter (#13) <input checked="" type="checkbox"/> Welding shield <input type="checkbox"/> Other: _____	Comments:
HEAD <input type="checkbox"/> Negligible Hazard		Can hazard be eliminated without the use of PPE? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Work-related exposure to: <input type="checkbox"/> beams <input checked="" type="checkbox"/> pipes <input type="checkbox"/> falling objects <input checked="" type="checkbox"/> exposed electrical wiring or components <input checked="" type="checkbox"/> machine parts <input type="checkbox"/> other: _____	PPE required to manage hazard: <input checked="" type="checkbox"/> Protective Helmet <input type="checkbox"/> Type A (low voltage) <input type="checkbox"/> Type B (high voltage) <input type="checkbox"/> Type C <input type="checkbox"/> Hair net or soft cap <input checked="" type="checkbox"/> Other: <u>Bump cap while working underneath machines (die cast machines, trim press machines, conveyors, hanging objects, etc.)</u>	Comments:
HANDS/ARMS <input type="checkbox"/> Negligible Hazard		Can hazard be eliminated without the use of PPE? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Work-related exposure to: <input type="checkbox"/> hazardous liquids/chemicals <input checked="" type="checkbox"/> scrapes, bruise, or cut <input type="checkbox"/> injuries from tools <input type="checkbox"/> extreme heat/cold <input type="checkbox"/> blood (OPIM) <input type="checkbox"/> other: _____	PPE required to manage hazard: <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Chemical resistance <input type="checkbox"/> Temperature resistance <input type="checkbox"/> Gauntlet or long necked <input type="checkbox"/> Chemical Protective sleeves <input checked="" type="checkbox"/> Long sleeves <input type="checkbox"/> Other: _____ <input type="checkbox"/> Liquid/leak resistance <input checked="" type="checkbox"/> Cut resistance <input checked="" type="checkbox"/> Work Gloves	Comments:
FEET/LEGS <input type="checkbox"/> Negligible Hazard		Can hazard be eliminated without the use of PPE? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Work-related exposure to: <input type="checkbox"/> hazardous liquids/chemicals <input type="checkbox"/> heavy falling/rolling objects <input type="checkbox"/> heavy equipment <input checked="" type="checkbox"/> exposed electrical wiring or components <input checked="" type="checkbox"/> slippery surfaces <input type="checkbox"/> explosive atmospheres <input checked="" type="checkbox"/> tools <input type="checkbox"/> other: _____	PPE required to manage hazard: <input checked="" type="checkbox"/> closed shoes (e.g. no opened toes or sandals) <input checked="" type="checkbox"/> long pants <input checked="" type="checkbox"/> Safety shoes or boots <input checked="" type="checkbox"/> Toe protection <input checked="" type="checkbox"/> Electrical protection <input type="checkbox"/> Anti-slip soles <input type="checkbox"/> Leggings or chaps <input type="checkbox"/> Foot-Leg guards <input type="checkbox"/> Other: _____ <input type="checkbox"/> Metatarsal protection <input type="checkbox"/> Heat/cold protection <input type="checkbox"/> Chemical resistance	Comments:
BODY/SKIN <input type="checkbox"/> Negligible Hazard		Can hazard be eliminated without the use of PPE? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Work-related exposure to: <input type="checkbox"/> hazardous liquids/chemicals <input checked="" type="checkbox"/> sharp or rough edges <input type="checkbox"/> extreme heat/cold <input type="checkbox"/> other: _____	PPE required to manage hazard: <input type="checkbox"/> Lab Coat <input type="checkbox"/> Coveralls, Body suit <input checked="" type="checkbox"/> Welding leathers <input type="checkbox"/> Other: _____ <input type="checkbox"/> Raingear <input type="checkbox"/> Apron <input type="checkbox"/> Abrasion/cut resistance	Comments:
BODY/WHOLE <input type="checkbox"/> Negligible Hazard		Can hazard be eliminated without the use of PPE? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Work-related exposure to: <input checked="" type="checkbox"/> working from heights of 4 feet or more <input type="checkbox"/> working near water <input type="checkbox"/> other: _____	PPE required to manage hazard: <input checked="" type="checkbox"/> Fall Arrest/Restraint: Type: _____ <input type="checkbox"/> PFD: Type: _____ <input type="checkbox"/> Other: _____	Comments: During die setup, sometime above 6 feet.
LUNGS/EARS <input type="checkbox"/> Negligible Hazard		Can hazard be eliminated without the use of PPE? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Work-related exposure to: <input checked="" type="checkbox"/> irritating dust or particulate <input type="checkbox"/> irritating or toxic gas/vapor <input checked="" type="checkbox"/> loud work environment <input checked="" type="checkbox"/> noisy machines/tools <input type="checkbox"/> other: _____	PPE required to manage hazard: <input type="checkbox"/> Respirator (Cartridge type: _____) <input type="checkbox"/> Particulate Mask <input checked="" type="checkbox"/> Hearing Protection	Comments: Machines are above noise limits.

