

# Manufacturing Careers Paths



**Machine Operators, Setters & Tenders**

**Spray Painter**

**Polisher**

**Forklift Operator**

**Education:**

- Min. HS Diploma; Associate's degree or vocational training preferred.
- Registered Apprenticeship, (Work hours + related instruction)

**Experience:**

- On-the-job training
- Use of hand-tools

**Duties:**

- Operate mixing & blending or packing & filling machines to prepare food, industrial or commercial products
- Use precision measuring instruments
- Move materials

**Certifications**

- Powered Industrial Forklift

**Maintenance & Repair Workers**

**Boat or Auto Engine Repair**

**Small Engine Repair**

**Education:**

- 9-12 month course at community college or trade school.

**Experience:**

- Electrical, carpentry or HVAC background
- Knowledge of motors

**Duties:**

- Maintain or repair factory or other industrial machinery
- Preventive Maintenance on equipment
- Troubleshooting

**Certifications:**

- Equipment & Engine Training Council (Small Engine Repair)
- OSHA (safety)
- Automotive Service Excellence (ASE)

**Welder**

**Solderer**

**Assembler**

**Education:**

- Entry-level: Basic soldering course
- Registered Apprenticeship, (Work hours + related instruction)

**Experience:**

- Electrical or electronic assembly

**Duties:**

- Fabricate parts for structural metal products
- Positioning, aligning, and fitting metal products

**Certifications:**

- IPC Soldering Certification
- American Welding Society certification
- Precision Press Brake (PPB) Certification

**Engineer**

**Computer Numerical Control (CNC) Machinist**

**Quality Inspector**

**Machine Operators, Setters & Tenders**

**Education:**

- Associate's or Bachelor's (Engineer)
- Geometry, statistics, trigonometry, computer programming
- Registered Apprenticeship, (Work hours + related instruction)

**Experience:**

- 1-2 years including on-the-job training

**Duties:**

- Work with metal & plastic materials
- Set-up & tend machines
- Inspect, test, measure materials
- Design, troubleshoot material & processes