



Job Title: Brazer	Reports To: Manager, Precision Mfg
Department: Precision Manufacturing	FLSA Status: Non-Exempt
Date: February 5, 2009	Job Group Code: 784

Position Overview: This position is responsible for brazing (bonding)/Welding components to assemble metal parts as specified by layout, work order or blue prints using appropriate equipment.

Essential Job Functions

- Using hand torch brazes/welds components.
- Aligns and clamps work pieces together, using rule, square or template or sets up and places them in fixtures, jigs or vice.
- Cleans joints of work pieces, using wire brush or by dipping them into cleaning solution.
- Selects torch tip, flux and brazing alloy from data charts or work order.
- Connects hoses from torch to regulator valves and cylinders of oxygen and specified fuel gas, acetylene or natural.
- Turns valves to start flow of gasses, lights flame and adjusts pressure and mixture of gases to obtain desired color and size of flame.
- Brushes flux onto joint of work piece or dips braze rod into flux to prevent oxidation of metal.
- Guides torch and rod along joint or seam of work piece to heat to brazing temperature and melt braze alloy to bond work pieces together.
- Examines seam and re-braze defective joints.

Non-essential Job Functions

- Braze together broken parts and cover holes to repair leaks.
- Specialize in bonding parts with soft solder and be designated Solderer or Torch II.
- Melt and separate brazed joints, using hand torch or furnace, remove and straighten components and re-braze joint to repair misaligned or damaged assemblies and be designated Brazer, Repair and Salvage.
- Braze together seams of metal sheets, strips, screening, or wire cloth using torch mounted on manually guided crawler and be designated Brazer or Crawler Torch.

Requirements

- **Education/Experience:** High School diploma, GED or equivalent and 2+ years experience brazing.
- **Qualifications:** To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are

representative of the knowledge, skill and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Visual acuity sufficient to differentiate minute seams and defects in welded pieces.
 - Experience/familiarity with brazing/welding equipment.
- **Physical Demands:** The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is regularly required to talk or hear. The employee frequently is required to stand and walk. The employee is occasionally required to sit; use hands to finger, handle or feel; reach with hands and arms; climb or balance; and stoop, kneel, crouch or crawl. The employee must be able to occasionally lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision, distance vision, depth perception and ability to adjust focus. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- **Work Environment:** The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job.

While performing the duties of this job, the employee is occasionally exposed to conditions, moving mechanical parts and risk of electrical shock. The noise level in the work environment is usually moderate to loud. Employee may be exposed to harmful chemicals and substances in the support of productions activities.

M2 Global Technology, Ltd. maintains a work environment based on team-based management. All employees are expected to adhere to the philosophies and charter necessary to support and foster a team based environment, including, but not limited to, encouraging and supporting team members when applicable and maintaining a high degree of discipline, respect and trust.

<p>NOTE: This job description is not intended to be all-inclusive. Employee may perform other related duties as negotiated to meet the ongoing needs of the organization.</p>
