

Workplace Requirements

- Fabricate, weld and join: sheet metal, plate, tubes, pipes, rolled sections, hollow sections, hoppers, chutes, cylinders, cones, spirals, transitions, inter-penetrations
- Assemble cylinders, dished heads of nozzles and general structural work to vessels
- Lay-out, fabricate and install trusses, columns, rafters, beams and structural joints
- Lay out and mark off work pieces and positions from drawings, templates and pick up dimensions
- Lay out and mark off work pieces and positions from drawings on rolled sections.
- Lay out and mark off work pieces and positions from drawings on pipes, tubes and hollow sections.
- Oxygen - fuel gas cutting, welding and brazing.
- Assemble and operate profile and straight line gas cutting machines
- Shielded metal arc welding (manual metal arc welding)

Workshop Equipment

- Shielded metal arc welding AC / DC machine
- Gas cutting, Heating and Welding Equipment
- Gas metal arc welding machine
- Guillotine
- Punch and shears
- Bending press
- Plate rolls.
- Gas tungsten arc welding machine
- Straight line gas cutting machine
- Oxygen - fuel gas cutting, welding and brazing equipment
- Fixed and portable drilling machines
- Fixed and portable grinding machines
- Grinding wheel dresser
- Mechanical / Hydraulic Press
- Drill bits
- Lifting equipment and tackle
- Arm / Band power saw
- Bench vice
- Work bench
- G-clamps
- Spirit level
- Flatter
- Anvil

Hand Tools

- Tool Box
- Chisels
- Punches
- Tommy bar
- Chipping hammer
- Steel brush
- Steel tape
- Steel ruler
- Hammer
- Clips
- Callipers (Inside / Outside)
- Hacksaw
- Shifting Spanner
- Boilermaker square
- Chalk line
- Bevel Gauge
- Combination square
- Radius cutter
- Dividers
- Pliers Vice Grip
- Hand Files
- Straight edge
- Flange square
- Profile marker
- Pipe cutter
- Circumference gauge

