

## **Industrial Maintenance Technician Job Description:**

Maintains production and quality by ensuring operation of machinery, consisting of mechanical and electrical equipment.

## **Maintenance Technician Job Summary**

Searching for multi-trade maintenance technicians to join our team. In these positions, they will be responsible for industrial machinery upkeep, working alone or with a crew. They must be well-rounded individuals who can perform efficient work on a variety of equipment, executing mechanical, hydraulic, pneumatic, and electrical maintenance.

## **Maintenance Technician Requirements and Qualifications**

- Must hold a certificate or diploma in a related field
- Completion of an industrial maintenance apprenticeship program is a plus
- Experience with Industrial maintenance required; Corrective/breakdown experience preferred
- Thorough working knowledge of industrial equipment, its usage, and safety procedures
- Self-motivated, responsible and Safety Oriented individual.
- Learns and applies standard tools and techniques to solve problems.
- Demonstrates a positive “can-do” attitude.
- Takes responsibility for self-performance (Ability to manage time and responsibilities independently).
- Contributes to team effort by accomplishing results and meeting expectations.
- Must have a flexible schedule, willing to work rotation shifts.

## **Industrial Maintenance Technician Job Duties**

- Ensures operation of machinery and mechanical equipment by completing preventive and corrective maintenance requirements. Equipment and tools include motors, gearboxes, pneumatic systems, coupling and motor alignment, roller chain/sprockets alignment, conveyor systems, and production machines. Capable of following diagrams, sketches, operations manuals, manufacturer's instructions, and engineering specifications. Troubleshoots malfunctions and complies with NEC standards on wiring and installations.
- Locates sources of problems by observing mechanical devices in operation; listening for problems; and using precision measuring tools.
- Removes defective parts by dismantling devices; using hoists, cranes, and hand and power tools. Strong welding skills are required.
- Determines changes in dimensional requirements of parts by inspecting used parts using rules, calipers, micrometers, and other measuring instruments.
- Adjusts functional parts of devices and control instruments by using hand tools, levels, and alignment equipment.
- Controls downtime by informing production workers of routine preventive maintenance techniques; monitoring compliance.

- Optimizes maintenance resources by using equipment and supplies as needed to accomplish job results.
- Maintains continuity among work teams by documenting actions, communicating irregularities, and scheduling correction of abnormalities.
- Maintains a safe and clean working environment by complying with procedures, rules, and regulations.

## **Industrial Maintenance Tech Skills and Qualifications**

Associate must be familiar with the use of:

- VOM
- Oscilloscope
- IR Temperature Probe
- Multimeter
- Megger
- DC & AC Amperage Clamp Meter
- General tools

Must be proficient reading and Interpreting Blueprints, Mechanical and Electrical Prints.

Technicians must be able to troubleshoot the following systems and processes while working the floor. (Mostly Rockwell Automation but not limited to)

- AC Drives
- DC Drives
- Servo Drives
- PLC
- HMI
- Close loop control systems
- AC, DC, and Servo Motors

## **Machinist and Mechanic Skills**

- Drill
- Grinder
- Pneumatics
- Hydraulics
- Valves
- Vacuum pumps
- Lubrication systems
- Lathe
- Mill

# Tooling Required

## MAINTENANCE TECHNICIAN TOOL LIST

TOOL DESCRIPTION	TOOL DESCRIPTION
<b>BREAKER BAR - 1/2" DRIVE</b>	<b>SCRAPER GASKET</b>
<b>CALIPER</b>	<b>SCREW EXTRACTOR SET</b>
<b>CHAIN BREAKER: UP TO 50 CHAIN</b>	<b>SCREW DRIVER SET: PHILLIPS, 5 PIECE</b>
60 CHAIN OR BIGGER	SLOT SET, 5PIECE
<b>CHAIN PULLER: #35, #60</b>	<b>SCREW DRIVER STARTER</b>
<b>CORDLESS TOOLS -</b>	
Limited to:	
Drills	
Impacts	
Sawzall	
Nut Drivers	
Grinders	
<b>DRILL - 1/2" (INDUSTRIAL) AIR, CORDLESS OR ELECTRIC</b>	<b>SCRIBER</b>
<b>DRIVE SET: 1/4" DEEP, 3/16 TO 9/16 BY 1/16</b>	<b>SHEARS: STRAIGHT CUT</b>
1/4" INC. RATCHET/UNIVERSAL JT; 2", 4", 6" EXTENS.	<b>SOCKETS: 1/2" DEEP; 3/8" TO 1-1/4" BY 1/16"</b>
1/4" SHALLOW; 3/16 TO 9/16 BY 1/16	1/2" SET INC RATCH/UNIV. JT; 3/8" TO 1-1/8" SOCKET
3/8" INC. RATCHET/UNIVERSAL JT; 3", 6", 11" EXTENS.	1/2" METRIC, 10MM TO 19MM BY 1MM
	3/8" DEEP; 1/4" TO 7/8" BY 1/16"
<b>FEELER GAUGE</b>	3/8" STANDARD; 1/4" TO 7/8" BY 1/16"
<b>FLASHLIGHT: 100 LUMENS/LED OR BETTER</b>	3/8" METRIC (6PT), 8MM TO 19MM BY 1MM, SHALLOW
<b>FUSE TONGS, LARGE</b>	3/8" METRIC (12PT), 8MM TO 19MM BY 1MM, SHALLOW
SMALL	
<b>HACK SAW</b>	<b>SOLDERING IRON</b>
<b>HAMMER: 12 OZ. BALL PEIN</b>	<b>SQUARE SET: 12" COMBINATION</b>
24 OZ. BALL PEIN	<b>T HANDLE TAP: LARGE 5/16" - 1/2"</b>
DEAD BLOW	SMALL 0-1/4"
<b>HEX BIT SETS</b>	<b>TOOL BAG/POUCH</b>
<b>HEX KEY SET: STANDARD</b>	<b>TOOL BOX ORGANIZATIONAL SUPPLIES</b>
METRIC	<b>TOOL BOX, ROLL AWAY: NO BIGGER THAN 2 BAYS WITH TOP BOX</b>
<b>IMPACT WRENCH (1/2") - AIR OR CORDLESS</b>	2 BAYS = (2 ROWS OF DRAWERS) or (SINGLE BAY + SIDE BOX)
<b>IMPACT SOCKETS (SAE &amp; MM): 1/2" DRIVE</b>	<b>TUBE FLARING TOOL- CURING</b>
1/4" DRIVE	<b>TUBING CUTTER</b>
3/8" DRIVE	<b>WELDING CLAMPS</b>
<b>LINE WR: 1/2" &amp; 9/16"</b>	<b>WIRE CRIMPERS/STRIPPERS</b>
3/8" & 7/16"	<b>WRENCH: 6" ADJUSTABLE</b>
5/8" & 11/16"	8" ADJ.
<b>METERS: MULTIMETER: FLUKE 83, 83III, 87, 87V E SERIES</b>	10" ADJ.
CLAMP ON AMP METER: FLUKE 376 RATED	12" ADJ.
<b>NUT DRIVER SET: 7PC. STANDARD</b>	<b>WRENCH COMINATION SET: 10mm to 22mm by 1mm</b>
<b>PIPE WRENCH:</b>	1/4" TO 1-1/4" BY 1/16"
(STEEL AND/OR ALUMINUM) 10"	<b>WRENCHES: RATCHETING</b>
STRAIGHT AND/OR OFFSET) 18"	
24"	
<b>PLIERS: ADJUSTABLE SLIPJOINT</b>	
7" DIAGONAL CUTTERS	
7" VISE GRIP	
8" NEEDLE NOSE	
8" SLIPJOINT	
8" LINEMAN	
<b>PLIERS KIT: SNAP RING</b>	
<b>POWER TAPE: 25 FT.</b>	
<b>PRY BARS AND/OR INDEXING PRY BAR (MULTIPLE SIZES )</b>	
<b>PUNCH SET</b>	
<b>RULER: 6" FLEXIBLE</b>	