

IAM HOURLY CLASSIFICATIONS LODGE 912

CLASSIFICATION TITLE	RATE	CODE
Toolmaker	25	E4511
Electronic Maintenance	25	E1103
Instrumentation Mechanic	24	E4504
Special Products Mechanic	24	E4506
Machinist	24	E4401
Air Supply Operator Turbo	23	E8730
Diversified Operator	23	E5700
Instrument Repair	23	E1039
Electrical Maintenance	23	E1107
HVAC/R Technician	23	E1227
Machine Maintenance	23	E1212
Mechanical Maintenance	23	E1229
Diversified Fabricator	23	E5805
Industrial Equipment Mechanic	22	E1231
Welder Diversified	22	E5709
Machinist	24	E4401
General Maintenance	22	E1264
Cutter Grinder	21	E2924
Locksmith	20	E1218
Bench Repair Parts	19	E5020

Stationary Licensed Engineer – E8700 P24
 Water Plant Operator – E8710 P22

TOOLMAKER**E4511****M25**

Perform the overall assembly of jigs, fixtures, tools, dies, gages, and any machining necessary to assure its successful function. Responsible for the complete development of a tool, die, gage, jig, fixture, or other device from blueprints, rough sketches or verbal instructions into a workable device; performing any necessary layout, development, machining, or other related tasks necessary to accomplish a successful result. Troubleshoot, diagnose, and correct operational deficiencies in mechanical fixtures, special mechanization, and special machines, performing all necessary work, including machining to correct malfunctions. Maintain records and perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Experience as a journeyman machinist or toolmaker. Must take an assessment.

DISPLACEMENT TO:

Machinist, E4401, M22

Bench Repair Parts, E5020, M19

ELECTRONIC MAINTENANCE

E1103

M25

Apply a practical knowledge of electric/electronic theory, locate reasons for malfunction and effectively repair root causes of same in all types of electric/electronically controlled manufacturing equipment. Examples being, but not limited to, machine tools, integrated manufacturing quality control equipment, balance machines, welders, lasers, etc. Included in this process is new equipment such as the above, after technical information is complete and procedures and maintenance norms are established.

Test and replace faulty components such as vacuum tubes, solid-state devices, relay logic components, motivators, feedback devices, transducers, etc., using various test and measuring devices. These devices include but are not limited to, tube testers, VOM's and VTVM's, digital meters of various types, recorders, oscilloscopes, etc.

After affecting the repair, functionally test (with operator assistance if required) and perform the initial "check-out" of the repaired equipment to insure proper operation of the equipment. Performing all repairs to equipment covered shall include planned maintenance, rebuilding of components and assemblies, layout of electric panels, makeup of electrical/electronic circuits for equipment testing purposes, touch up of painted surfaces disturbed during repair, etc., maintain records and perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Experience diagnosing trouble and performing complicated repair work on all types of electric and electronically controlled machine tools/manufacturing equipment. Must pass a written assessment.

Instrumentation Mechanic

E4504

M24

Manufacture and apply instrumentation as instructed by engineering. Instrumentation may include, but not limited to, pressure, temperature, and strain gages or sensors (including Thin Film application processes). Troubleshoot, diagnose and repair instrumentation. Work to very close tolerances from drawings, sketches and verbal instructions. Maintain records and perform related duties. 6/20/08

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MINIMUM EXPERIENCE: 2 years

Applicant must have strong visual-motor coordination skills. Must be able to read and follow blueprints as well as applicable engineering documents. Must pass written assessment.

Incorporated Thin Film Mechanic 09/08

SPECIAL PRODUCTS MECHANIC**E4506****M-24**

Perform process-oriented work required to produce special purpose materials from raw materials, and to fabricate shapes and apply them to engine components. Processes are mechanical, metallurgical and chemical in nature and include machining, measurements, fabrication and assembly. Incumbents will be expected to become familiar with, and, capable of operating all major equipment within the area and will work with technicians in the performance of normal operations, which also includes development of improved processing. After establishing suitable proficiencies, incumbents may also be required to provide process diagnosis and aid in establishing process improvements for long term process cost control and quality growth. Some operations require respirators and/or other devices for the safeguard of operator health and incumbents must be willing to undertake these operations and follow all established work practices. Specific equipment and operational details are sensitive and not to be discussed except with accepted applicants. Maintain records and perform related duties.
6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 3 years

Has experience setting up and operating all types of machine tools or in sheet metal layout, fabrication and development of non-planer shapes including operation of fabrication and machine tools. (Candidates with 3 years of acceptable sheet metal experience may substitute an acceptable machine tool course including lathes and mills for machining experience.) Must read blueprints and use precision measuring instruments. Past experience operating large power-driven rolling mills, calendars, etc., or with metallurgical or polymeric processing is desirable.

This position requires security clearances for all active programs before coming on job. Must pass a written assessment.

Machinist**E4401****M-24**

Set up and operate all types of machine tools, shears, forms, equipment to manufacture or fabricate separable instrumentation, components of jigs, fixturing, tools, dies, gages, test equipment, models, mockup, production parts and their modification. Perform any necessary layout in connection with the above machining jobs, from blueprints, sketches or verbal instructions. Construct special fixtures as needed to accomplish machining operations as described above. Assemble component parts when such parts have been machined or made into subassemblies by the machinist, and the parts are related and require transitional machining operations. Will perform related bench and handwork operations to complete job tasks. Maintain records and perform related duties. 6/23/08

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MINIMUM EXPERIENCE: 2 years

Has experience operating all types of machine tools and/or fabrication equipment, including setup. Must be able to read and interpret blueprints and use precision measuring instruments. Must pass written assessment and demonstrate machine tool setup and operation competency.

DISPLACEMENT TO:

Bench Repair Parts E5020, M19

09/01/08-Incorporated Diversified Fabricator into Machinist Classification & changed rate to M24

AIR SUPPLY OPERATOR TURBO

E8730

M-23

The Test Air Operator is responsible for the operations of high pressure / high flow multi-staged air compressors, which are driven by electric motors, utilizing computer controlled, graphical interfaces. Additional duties include the control & monitoring of gas fired heaters, induced draft cooling towers, lube systems, dryers, valves and other air piping system components. 01/27/12

Operate singly, parallel or in multistage, high speed, high voltage, turbo air moving equipment, including necessary auxiliary equipment, using either manual controls or computer based automatic systems. Supply large volumes of controlled air for specific tests at exacting pressures and temperatures to conform to cell requirements. Operate auxiliary air-drying and refrigerating equipment and integrated large volume heating equipment. Perform normal adjustments, calibration, lubrication and periodic and incidental maintenance required to keep equipment in operating condition. Interpret and record performance data. Work from written or oral instructions. Is responsible for the appearance of equipment and area including cleaning and painting as required. Maintain records and perform related duties. 6/11/90

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MINIMUM EXPERIENCE: 2 years

Experience operating large (3000 HP & up) power generating equipment, such as compressor and marine drives.

Minimum of 2 years' experience operating high pressure (150 – 650 psig) / high flow (20 – 100 PPS) multi-staged compressors and electric motor line-ups utilizing computer controlled, graphical interfaces. Good working knowledge of the following: heat exchangers, pumps (oil & water), dryers, gas fired heaters, separators, induced draft cooling towers, valves and actuators. Experience with the following control & monitoring instrumentation: thermocouples, transducers, accelerometers, proximity probes and position feedback devices. 01/27/12

Must pass a written assessment.

Desired:

Experience operating computer driven equipment.

3rd Class State of Ohio Stationary Engineer's License.

DIVERSIFIED OPERATOR**E5700****M-23**

Conduct pilot line and repair operations/procedures using standard or prototype equipment in the application of thermal spray, diffusion coating, welding, brazing, chemical processing, and laser fabricating techniques and related procedures which are being developed for the manufacture or repair of engine hardware. Related procedures include cutting, benching, fitting, weld prepping, cleaning, masking, powder blending and mixing, and machine setup with the use of power assisted machinery and hand tools. Certified for welding and thermal spraying operations to applicable military and company specifications. Work from written or verbal instructions. Is knowledgeable of and complies with environmental, health, safety and fire protection procedures applicable to assigned work area and equipment. Maintain records and perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Experience in all types of hand TIG welding on a variety of metals. Ability to work to blueprints and use shop measuring instruments. Must pass welding test preparatory to certification.

INSTRUMENT REPAIR

E1039

M-23

Diagnose and repair all aspects of instrumentation, including but not limited to: electronic controls, meters and other measurement devices, and recorders, both electronic and mechanical. Maintain flow controllers, I/O devices, feedback loops and hybrid pneumatic/electronic type instrumentation.

Layout, maintain, modify, install and troubleshoot a wide variety of complex boiler, potable and non-potable water controls and various process systems controls. Work with/from complicated drawings, prints, diagrams, and written or oral instructions. Maintain records and perform related duties. 6/24/91

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MINIMUM EXPERIENCE: 2 years

Experience in the utilities/water industry field, troubleshooting, repairing and replacing a wide variety of complex boiler, potable and non-potable water and fuel system instrumentation.

ELECTRICAL MAINTENANCE

E1107

M-23

Layout, maintain, modify, locate malfunction, adjust and repair all types of complicated electrical facilities and heating, ventilating and cooling installations throughout the plant. Make up and install electrical/electronic circuits of processing and testing installations, switchboards and panel boards, engine and accessory test stands, etc., including test stand and equipment buildup. Maintain master and building sub-stations. Service, oil, clean, and maintain gas pressure on existing heating and install new equipment. Touch up painted surfaces disturbed during fabrication, repair, etc. Work from complicated drawings, prints, diagrams, and written or oral instructions. Maintain records and perform related duties. 6/11/90

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MINIMUM EXPERIENCE: 2 years

Experience in installation and maintenance of heavy industrial electrical facilities.

THIS CLASSIFICATION INCORPORATED:

M22 Refrigeration. & Air Conditioning Repair E1227

M22 Electrician E1105

HVAC/R Technician

E1227

M-23

Maintain and repair commercial and industrial heating, air conditioning and refrigeration systems. Troubleshoot and repair industrial chillers; cooling towers; split, package & rooftop direct expansion systems; central plant chilled/heated water and steam systems; water and air cooled condensers; and all associated equipment. Strong analytical skills in electrical, electronic, pneumatic, and mechanical controls, control software logic, direct digital control and components. Maintain, install and repair control valves, dampers, v.a.v. boxes, linkages, actuators, compressors, cooling/heating coils, etc. Install and maintain power and control circuits (voltages up to 500vac) including conduit installation. Must be capable of soldering on refrigeration and air conditioning pipes/coils etc., and certified in refrigerant reclaim and recovery. This position will require other miscellaneous duties and responsibilities. 9/9/11
Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Experience in installation and maintenance of various types of industrial heating, ventilating and cooling equipment. Must pass a written assessment

THIS CLASSIFICATION IS CROSS BUMPABLE WITH:

M23 Electrician E1105

MACHINE MAINTENANCE

E1212

M-23

Apply a practical knowledge of mechanics to mechanisms and fluid power systems, diagnose trouble, plan and perform repairs of a complicated nature on a variety of equipment, such as, but not limited to, machine tools, integrated manufacturing cells, quality control equipment, balance machines, etc. Locate reasons for abnormal equipment operation and effectively repair root causes of those problems. Performance of repairs shall include planned maintenance; touch up of painted surfaces disturbed during repair and other work, which is supplemental to the primary activity but necessary to successfully complete the total requirements of the job.

Set up and operate various machine tools to make complicated parts.

After affecting the repair, functionally test (with operator assistance as required) and perform the initial "check out" of the repaired equipment to insure proper operation. Maintain records and perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Experience diagnosing trouble, planning and performing complicated mechanical mechanisms repair, setting up and operating various machine tools to make replacement parts and in the interpretation of assembly drawings and blueprints.

MECHANICAL MAINTENANCE**E1229****M-23**

Maintain and repair all facilities and mechanical equipment throughout the plant, including hoists, cranes, pumps, boilers, tanks, air, water and fuel piping, exhaust systems, etc. Install or rearrange machine tools and equipment. Fabricate, buildup and erect test facility and related equipment. Operate a variety of machines, sheet metal tools, and hand tools, including touch-up painting and incidental work with wood as required. Work from blueprints, sketches or verbal instructions. Maintain records and perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Facility maintenance experience such as installing or rearranging machine tools and equipment; fabricating and erecting all types of steel structures, or installing and maintaining low and high pressure piping systems. Must read blueprints and pass welding tests preparatory to certification. Must pass a written assessment.

THIS CLASSIFICATION INCORPORATED:

M22Sheetmetal Maint. E1260

M22 Pipefitter E1223

M22Millwright E 1221

DIVERSIFIED FABRICATOR-Inactive**E5805****M23**

Layout, shear, form, bench, develop, construct, fabricate, fit, assemble, and repair a variety of complicated sheet metal fabrications, models, mock-ups, forms and templates working to close tolerances from blueprints, sketches, verbal Instructions, etc. Work with metals, plastics, composites, wood, using all type of wood and metalworking equipment. Make calculations, operate all types of sheet metal machinery and hand, and power tools, perform necessary welding and brazing on non engine hardware, and incidental touch up painting. Maintain records and perform related duties. 6/20/194

Definition for this occupation is for Identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Experience In sheet metal layout and fabrication including the use of sheet metal machinery and hand power tools. Must read blueprints and use precision measuring instruments. Machine tool operation, tube-bending and assembly experience desirable.

This position incorporated into Machinist Classification 06/08

INDUSTRIAL EQUIPMENT MECHANIC**E1231****M-22**

Diagnose trouble, repair, perform major overhaul, maintenance and service on gasoline, diesel, electric, propane, and battery powered equipment such as: fork trucks, stock-pickers, jack-stackers, pallet trucks, tow tractors, golf carts, vertical lifts, scrubbers, sweepers, stationary engines, automobiles, trucks and other types of vehicles. Repair hydraulic equipment. Operate all garage repair and checking equipment. Plan work procedure using charts, technical manuals, and experience. Maintain records and perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Experience diagnosing trouble and performing complicated repair work on a variety of material handling equipment and motor vehicles.

WELDER DIVERSIFIED	E5709	M-22
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Setup and perform all types of hand and machine welding including oxyacetylene, arc, atomic, oxyhydrogen, etc., to fabricate, repair or rework a wide variety of ferrous and non-ferrous material and/or parts. Cut material to size using burning processes, metal spray and braze. Certified in welding. Maintain records and perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 1 year

Experience in all types of hand welding including oxyacetylene, arc, oxyhydrogen, etc., on a variety of ferrous and non-ferrous materials. Must pass welding test preparatory to certification.

GENERAL MAINTENANCE

E1264

M-22

Plan layout and perform a wide variety of construction repair and remodeling including carpentry, dry wall, general painting, masonry, plaster, grout, and cement work on all interior and exterior facilities and equipment throughout the plant. Estimate project requirements and determine proper amounts of materials to be used. Work from blueprints, sketches, and written or verbal instructions. Maintain records and perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail an operations performed or required.

MINIMUM EXPERIENCE: 2 years

General Maintenance experience including carpentry plus painting or masonry type work.

THIS CLASSIFICATION INCORPORATED:

M21 Carpenter E1263

M21 Painter E1270

M21 Mason E1220

CUTTER GRINDER

E2924

M-21

Setup and operate a wide variety of precision grinding machines including multi-axis NC/CNC grinding equipment for sharpening all types of cutting tools and broaching cutters. Set, position and troubleshoot malfunctioning broach cutters. Perform layout-grinding operations to meet blueprint requirements. Perform grinding operations on cutting tools of an intricate nature including end mills, drills, reamers, inserts, back spot facer, dovetails, mills, special form tools and other cutters as required. Use all types of precision gages, comparators, and related measuring equipment. Maintain records and perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Experience on variety of precision grinding machines for broach or tool/cutter grinding. Must read blueprints.

THIS CLASSIFICATION INCORPORATED:

M21 Tool & Grinder E2922

M21 Broach Grinder E2923

LOCKSMITH	E1218	M-20
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Install new, fix or replace locks on office furniture and toolboxes. Fix and maintain the Grand Master portion of the Best lock system for building and door locks with tumblers. Make keys and keep records for the Grand Master lock system and office furniture and equipment. Perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 1 year

Experience as a locksmith

BENCH REPAIR PARTS	E5020	M-19
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Layout and rework to proper dimensions a variety of aircraft gas turbine parts or assemblies from drawings, sketches, written or verbal instructions, operating a variety of machine tools such as mills, drill presses, surface and hand grinders, saws, etc. Perform a variety of rework operations such as: dimensional changes, re-tapping holes, repairing nicks or other minor defects, setting new studs and inserts, etc. May use a diverse group of hand tools. Maintain records and perform related duties. 6/11/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 1 year

Experience on drill presses, hand and surface grinders, saws, and a diverse group of hand tools. Must read blueprints.

Stationary Licensed Engineer

E8700

P-24

Start-up regulate and shut down equipment including boilers, air-conditioning and refrigeration equipment, diesel engines, turbines, generators, pumps, condensers, compressors, water and wastewater pumping stations to meet demands for heating, cooling, power, etc. Insure that equipment is operating safely and economically and within established limits by monitoring meters, gauges and similar equipment as well as reading and interpretation of charts, graphs and other measurement devices. Clean equipment and work area daily, perform routine operating maintenance, lubrication and repair of equipment. Operation of water treatment, co-generation oil, gas, coal and ash handling equipment as required.

Use appropriate safety equipment working in dusty or high temperature areas as well as in high noise level areas. Must be able to open large valves, work at elevated heights, in confined spaces and have the ability to lift 50-75 lbs. Large amount of time on feet. Ability to crawl inside boilers and work in crouching or kneeling positions to prepare for inspections and during daily responsibilities of the position. Observe safety precautions and be alert to avoid burns, electric shock and injury in performing tasks of the job.

MINIMUM EXPERIENCE: 3 years

Must have a current Ohio state stationary engineer's license.

WATER PLANT OPERATOR

E8710

P-24

Operate and diagnose problems involving the operation of all of the water plant equipment ensuring a supply of properly treated water to all shop areas. Perform routine operating maintenance of all equipment including the accelerator room equipment, filters, chemical feed equipment, coal bed filters, sludge removal equipment, including manual blow down, all outlying pump buildings, cooling towers, closed loops, and a variety of miscellaneous pumps and equipment. Make periodic checks and perform water analysis as required of all water sources. Operate and regenerate sodium zeolite softeners. Work from written or verbal instructions. Perform related duties. Observe all safety rules and regulations.

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 3 years

Must have a current Class III Water License.