

Sheet Metal Workers

SOC: 47-2211 • Career Profile Report

■ Key Facts

\$60,850 Median Salary	127,000 Employment	+2.0% Growth Rate
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■ Requirements & Salary Range

Education: High school diploma

■ Automation Risk Assessment

Medium Risk - 35.0% probability of being automated in the next 10-20 years.
This job has some routine elements but still requires human judgment and interaction.

■ Work-Life Balance

6.2/10 - Good work-life balance

■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	9.4/10	Investigative	5.8/10
Artistic	4.0/10	Social	5.0/10
Enterprising	5.0/10	Conventional	6.0/10

■ Top Skills Required

Detail oriented, Dexterity, Math skills, Mechanical skills, Physical stamina, Physical strength

✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

■ Challenges

- Burnout Risk
- Rapid Technological Change

■ What They Do

Sheet Metal Workers typically perform the following tasks:

- Maintain equipment, making repairs or modifications when necessary.
- Fabricate ducts for high efficiency heating, ventilating, and air conditioning (HVAC) systems to maximize efficiency of systems.
- Fasten seams or joints together with welds, bolts, cement, rivets, solder, caulks, metal drive clips, or bonds to assemble components into products or to repair sheet metal items.
- Transport prefabricated parts to construction sites for assembly and installation.
- Install assemblies, such as flashing, pipes, tubes, heating and air conditioning ducts, furnace casings, rain gutters, or downspouts in supportive frameworks.
- Hire, train, or supervise new employees or apprentices.
- Lay out, measure, and mark dimensions and reference lines on material, such as roofing panels, using calculators, scribes, dividers, squares, or rulers.
- Fabricate or alter parts at construction sites, using shears, hammers, punches, or drills.
- Determine project requirements, such as scope, assembly sequences, or required methods or materials, using blueprints, drawings, or written or verbal instructions.
- Maneuver completed roofing units into position for installation.
- Select gauges or types of sheet metal or nonmetallic material, according to product specifications.
- Shape metal material over anvils, blocks, or other forms, using hand tools.
- Trim, file, grind, deburr, buff, or smooth surfaces, seams, or joints of assembled parts, using hand tools or portable power tools.
- Inspect individual parts, assemblies, or installations, using measuring instruments, such as calipers, scales, or micrometers.
- Convert blueprints into shop drawings to be followed in the construction or assembly of sheet metal products.
- Verify that heating, ventilating, and air conditioning (HVAC) systems are designed, installed, and calibrated in accordance with green certification standards, such as those of Leadership in Energy and Environmental Design (LEED).
- Perform building commissioning activities by completing mechanical inspections of a building's water, lighting, or heating, ventilating, and air conditioning (HVAC) systems.
- Fasten roof panel edges or machine-made moldings to structures by nailing or welding.
- Finish parts, using hacksaws or hand, rotary, or squaring shears.

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Source: <https://www.bls.gov/ooh/construction-and-extraction/sheet-metal-workers.htm>