

Profession spotlight: welder

Main duties

- ◆ Prepare the parts to be assembled (cutting, fitting)
- ◆ Choose the welding process best suited to the material
- ◆ Produce welds in accordance with current standards
- ◆ Check the quality of the welds (visual or non-destructive testing)
- ◆ First-level equipment maintenance

Skills needed

- ◆ Mastery of manual or automated welding processes
- ◆ Knowledge of materials (steel, stainless steel, aluminium, titanium, etc.)
- ◆ Dexterity, attention to detail and physical stamina
- ◆ Strict compliance with safety instructions
- ◆ Observation skills and the ability to work independently or as part of a team

Studies needed

From the CAP (vocational certificate) to professional specialisation:

- ◆ CAP in Industrial Boilermaking (RCI) or Metalwork (Serrurier Métallier)
- ◆ Bac pro Industrial Boilermaking Technician
- ◆ Professional qualifications as an industrial welder or qualified welder
- ◆ Specific certifications: QMOS, welding licences (EN ISO 9606, ASME, etc.)

Where do they work?

In the metallurgy, construction and public works, energy, transport (rail, aeronautics, naval), defence or industrial maintenance sectors. Welders can work in workshops, on site or in specific environments (high-pressure, submarine, nuclear, etc.).

How much do they earn?*

- ◆ Beginner: between €1900 and €2400 gross per month
- ◆ Experienced: from €2800 to over €3000 gross per month depending on qualifications and constraints of the position (nuclear, off-shore, high precision, etc.)



Career progression?

Welders can go on to become team leaders, welding coordinators or quality controllers, or specialise in highly technical processes. They can also become trainers or experts in welded metallurgy.

In short, the welder is an essential link in the industry, combining traditional craftsmanship with cutting-edge technology to build the structures of tomorrow, in complete safety.

**These figures are indicative and may vary according to experience, sector and company size.*