Industrial Welding & Fabrication Services

Balbird coordinates welded assemblies using MIG/CO_2, TIG, ARC, projection and laser welding for stainless steel assemblies, equipment enclosures, support structures and cabinets. Whether a process runs in-house or through a partner is confirmed per RFQ. Send a drawing to receive a feasibility review.

5 processes MIG/CO2, TIG, ARC, projection, laser	**Stainless & steel** Assemblies, enclosures, structures	**Weld + finish** Post-weld work coordinated

Built for equipment makers and purchase managers who need welded sub-assemblies delivered to drawing, with one party coordinating cutting, forming, welding and finishing.

Buyer problems we help solve

- Welded assemblies that need several processes coordinated.
- Stainless steel fabrication where weld finish and appearance matter.
- Overflow welding capacity or supplier consolidation.
- Repeatable assemblies made to a controlled drawing revision.
- Need for post-weld finishing, machining or assembly from one point.

Technical capability

Parameter	Capability
Welding processes	MIG/CO_2, TIG, ARC, projection and laser welding. Availability of each process, in-house or partner, is confirmed per RFQ.
Materials	Compatibility by material grade is confirmed at feasibility review; stainless steel and mild steel assemblies are typical.
Thickness and joint types	Thickness ranges and joint types are confirmed per drawing.
Assembly size	Maximum component or assembly size and positional limits are confirmed per RFQ.
Procedures and qualifications	Welding procedure and welder qualification requirements should be stated in the RFQ; we confirm what the executing facility can provide.
Inspection options	Visual and dimensional inspection. Leak testing, NDT or destructive testing only where confirmed available for the executing facility.
Post-weld work	Grinding, finishing, passivation, painting, machining or assembly; availability and responsibility are stated at quotation.

Process names are as shown on the Balbird website. Material, thickness and size limits depend on the process, geometry and executing facility and are confirmed per RFQ.

Components and applications

Typical welded products include:

- Stainless steel assemblies
- Equipment enclosures and cabinets
- Support structures and frames
- Industrial and medical support assemblies, subject to specification

Materials and design inputs

- **Required inputs:** assembly drawing with weld symbols, material grades, thickness, quantity and finish requirements.
- **Formats:** 2D drawing and 3D model (STEP) with revision number.
- **Design-for-manufacturing:** we review joint access, distortion risk and fixturing needs before quoting.
- **Procedure documents:** share any required WPS/PQR or welder qualification needs up front.

Quality and documentation

- Visual and dimensional inspection against the drawing.
- Additional tests such as leak testing or NDT are quoted only where available and requested.
- Standards are followed only where documented and agreed in the quotation.
- Share any certification or customer-specific requirements with your RFQ.

How an order is executed

1. Enquiry	You send a drawing or requirement through the capability enquiry page or by email.
2. Feasibility review	We check drawing, material, tolerances and quantity, and clarify open points with you.
3. Quotation	You receive a quotation with scope, assumptions and lead-time basis.
4. Facility confirmation	We confirm the manufacturing route and whether work runs in-house or through the partner network.
5. Sample / approval	Where required, a sample or first piece is approved before the batch is released.
6. Production & inspection	Work is made and checked against the agreed drawing and inspection scope.
7. Dispatch & support	Parts are packed and dispatched; any issue is raised and resolved with our team.

Commercial and logistics

- Lead time depends on assembly complexity, fixturing, quantity and post-weld work.
- Fixture or setup charges, where applicable, are stated in the quotation.
- Packaging and delivery coordination are agreed with the quotation.

Frequently asked questions

Which welding processes do you offer?
MIG/CO_2, TIG, ARC, projection and laser welding. We confirm which process suits your part and where it runs.

Can you weld stainless steel assemblies?
Yes, stainless steel assemblies are a core application. Grades and finish expectations are confirmed per drawing.

Can you handle cutting, bending and welding together?
Yes, we coordinate these steps for one assembly and confirm the facility for each.

What testing is available?
Visual and dimensional checks are standard. Other tests depend on the executing facility and are confirmed per RFQ.

Do you do post-weld finishing?
Grinding, finishing, passivation, painting, machining and assembly can be coordinated. Responsibility is stated in the quotation.

What do you need for a quotation?
An assembly drawing, material grades, quantity, finish and delivery date. Use the enquiry page below.

To receive an accurate quotation, please share:

- Drawing (2D) and/or 3D model, with revision number
- Material specification and grade; certificate needs, if any
- Critical dimensions, tolerances, surface finish, inspection needs
- Weld symbols, joint types, WPS or testing requirements
- Quantity, batch size, annual demand and repeat frequency
- Target delivery date and delivery location
- Finishing, coating, assembly, packaging or export requirements
- Quality standards or customer-specific requirements
- Contact person and preferred communication method

Have a drawing or production requirement?

Send your drawing, material specification, quantity and delivery target to Balbird for a feasibility review. Our team will clarify the requirement and confirm the appropriate manufacturing route, capability and quotation process.

Enquiry page: [add website]/capabilities/welding/enquiry
Email: [add enquiry email]
Website: [add website]

Limits shown are indicative and depend on material, geometry, tooling, machine and supplier availability. Network or subject-to-feasibility services are confirmed per RFQ before quotation.