



WERIX METAL TECHNOLOGY CO., LTD.

Custom Sheet Metal Fabrication

Sheet Metal Fabrication And Metal Stamping — From One Prototype To 100,000+ Units.

Werix Metal Technology
COMPANY BROCHURE · 2026

DONGGUAN · CHINA

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COMPANY PROFILE

A Source Factory, not a trading company

Direct source factory since 2015 — laser cutting, bending, stamping, welding and die making under one roof in Dongguan. One purchase order, no middlemen.

WHY ENGINEERS CHOOSE US

- 01 DFM review before you commit to tooling
- 02 One engineer per project, sample to volume
- 03 ± 0.1 mm held across production batches
- 04 FAI reports and certs with every batch



± 0.1 mm

Standard tolerance

3,000+

sqm of manufacturing space

5,000+

Clients served

30+

Countries served

ISO 9001 certified quality management Four-stage QC, material to shipment

98%+ first-pass yield

OUR FACTORY

Six Workshops, One Roof

3,000+ sqm where cutting, forming, welding and tooling happen on-site — finishing through vetted partner shops, then final inspection and packing here.



The bending floor — TOPSEN 100-ton press brakes, 3100 mm bending length, ± 0.02 mm ram positioning

PRODUCTION FLOOR

- | | | | |
|----|-------------------------|----|-----------------------------|
| 01 | Laser Cutting | 04 | Welding (TIG · MIG · Laser) |
| 02 | CNC Turret Punching | 05 | Stamping & Die Shop |
| 03 | CNC Press Brake Bending | 06 | Assembly & Packing |

WELDING & JOINING

Clean welds, sealed enclosures

TIG, MIG, spot and laser welding on our own lines — continuous seam welds that take enclosures to IP65, with X-ray on critical parts.



Laser welding a stainless enclosure — 0.2–2 mm seam width, heat-affected zone under 1 mm

IP65-rated enclosure sealing

X-ray inspectable weld seams

AWS D18.1 food-grade practice

01

SECTION ONE

Manufacturing Capabilities

Laser cutting, CNC punching, press-brake bending, metal stamping, welding and finishing — six processes under one roof, run to one inspection standard.

01 Fiber Laser Cutting

02 CNC Turret Punching

03 Press Brake Bending

04 Metal Stamping

05 Welding & Joining

06 Finishing & Assembly



Fiber Laser Cutting

DNE 3000W and Hans Laser 6000W sources — burr-free profiles in stainless, aluminum, brass and carbon steel, minimal heat distortion.



The laser cell — dual-pallet exchange, 1500 × 3000 mm bed

MAX THICKNESS

0.3–5.0 mm

ACCURACY

±0.1 mm

BED SIZE

1500 × 3000 mm

EDGE QUALITY

Burr-free

CNC Turret Punching

Turret punching for hole patterns, louvers and formed features — no heat distortion, repeatable across long production runs.



CNC turret punch press — up to 72 stations, 500 hits per minute

STATION COUNT

Up to 72 tools

MAX SHEET

1500 × 3000 mm

HIT RATE

500 hits/min

MIN HOLE

Ø3.0 mm

Press Brake Bending

TOPSEN 100-ton press brakes with 3100 mm length and CNC backgauge — springback compensation keeps angles repeatable, batch after batch.



CNC press brake — 100 t force, 3100 mm length, ± 0.02 mm ram positioning

MAX LENGTH

3100 mm

BENDING FORCE

100 t

RAM ACCURACY

± 0.02 mm

MIN BEND RADIUS

1× thickness (mild steel)

Metal Stamping

25T-300T press lines on progressive, transfer and compound dies — tooling built in our own die shop, so ramp-up stays in-house.



Mechanical press stamping line — 25T to 300T, up to 200 strokes per minute

PRESS FORCE
25T-300T

SPEED
Up to 200 strokes/min

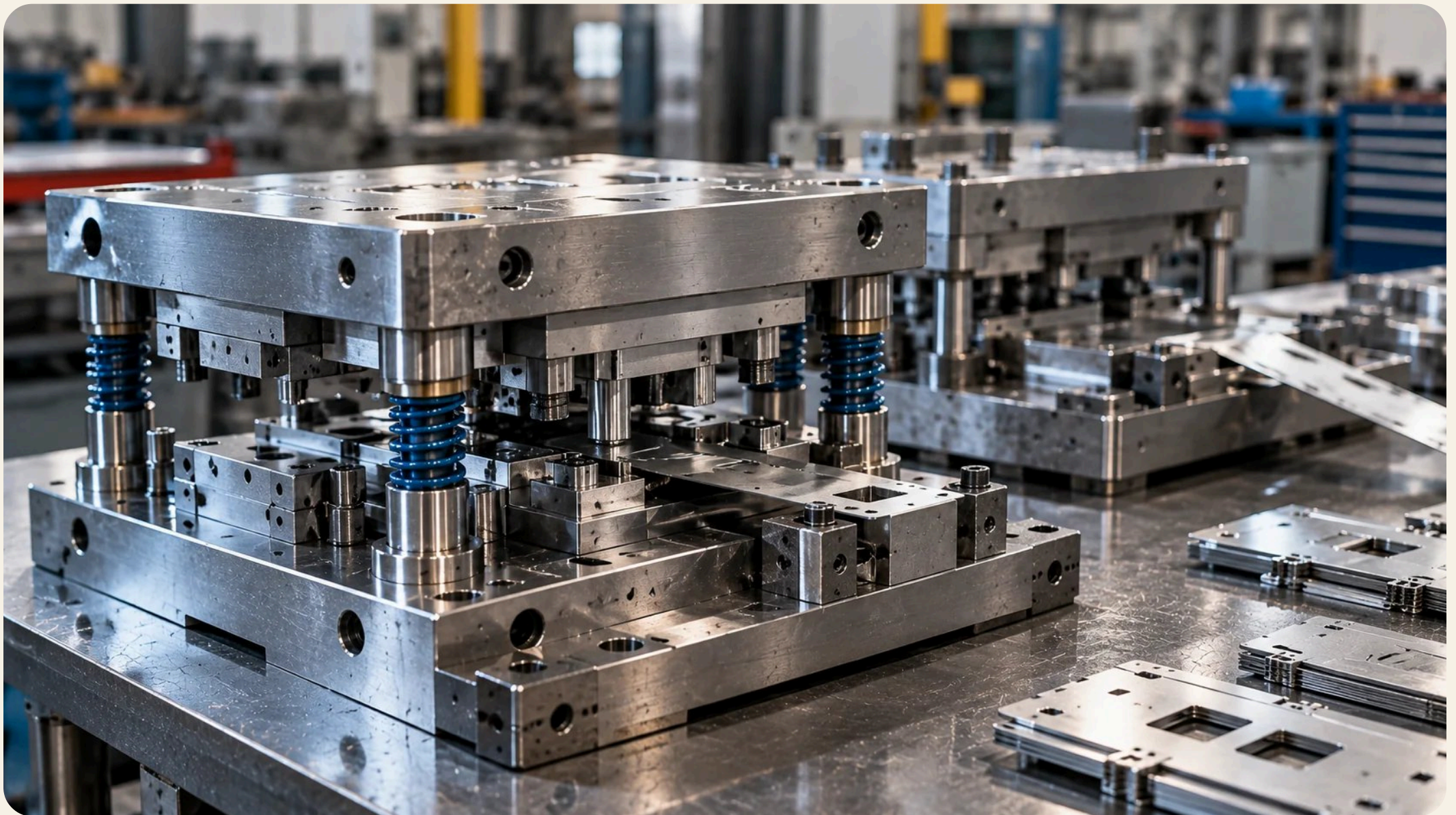
DIES
Progressive · transfer ·
compound

TOOLING
In-house, 3-5 weeks

TOOLING · IN-HOUSE

Dies Designed and Built In-House

Progressive and compound dies designed, machined and trialled on site — drawing to first-off in 3–5 weeks, and the die stays yours.



Die shop — design, EDM, assembly and first-off trial under one roof

TOOLING LEAD TIME

3–5 weeks

TRIAL

First-off fully inspected

CONFIDENTIALITY

Your drawings, files and tooling stay yours — nothing from your program is reused for another client.

OWNERSHIP

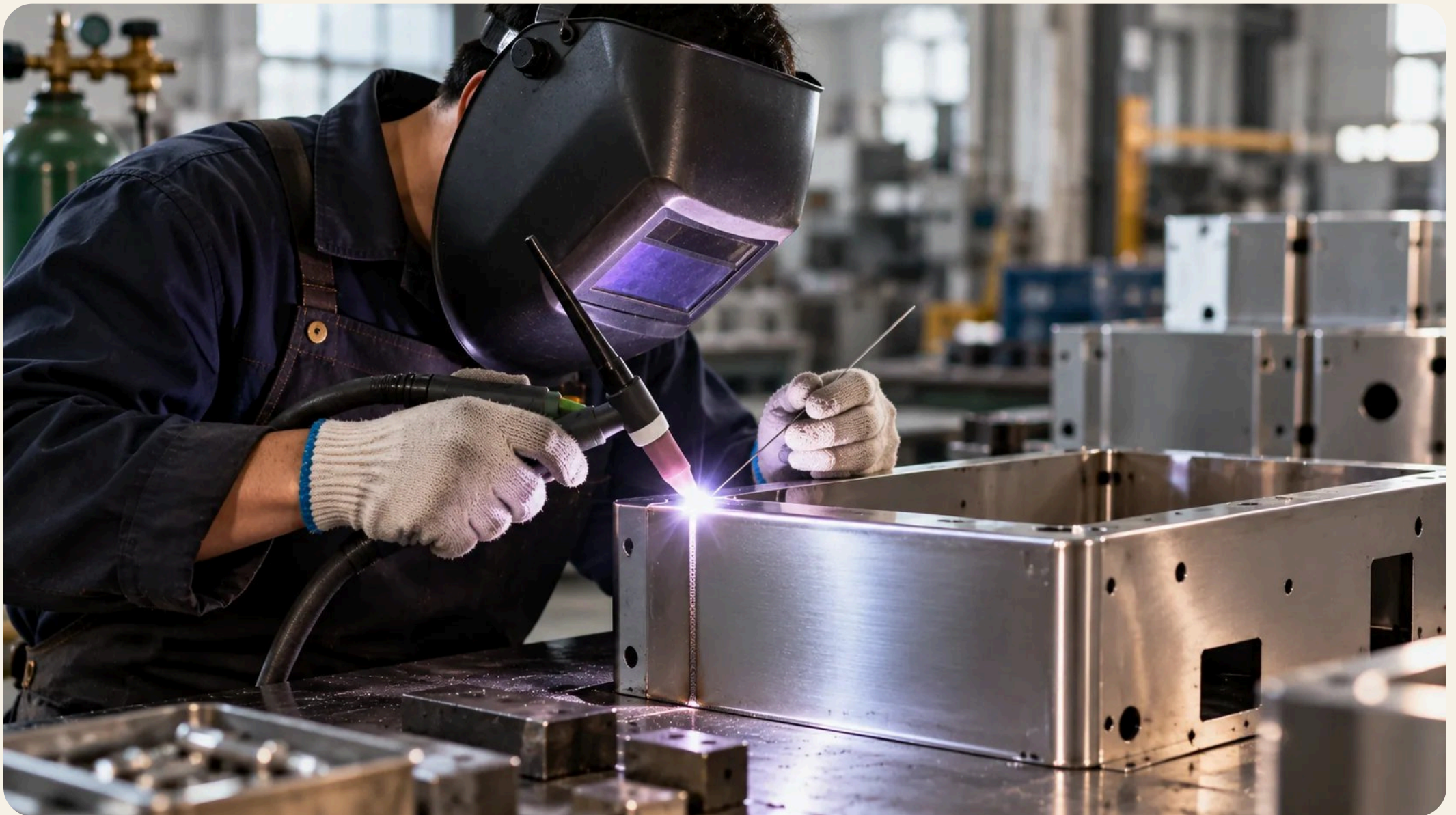
Customer owns the die

MAINTENANCE

Scheduled on stroke count

TIG Welding

TIG welding for stainless, aluminum and copper — the cleanest bead of any arc process, zero spatter, full penetration.



TIG welding a stainless enclosure — stacked-dime bead, no spatter

MATERIALS

SUS304 · 316 · AL · Cu

THICKNESS

0.3–5.0 mm

JOINT TYPES

Butt · lap · fillet · corner · edge

INSPECTION

X-ray · dye-penetrant

MIG Welding

2–3× the deposition rate of TIG — continuous fluid-tight seams that take steel, stainless and aluminum to IP65.



MIG welding a steel frame — continuous seam, IP65-capable

PROCESS

MIG (GMAW) · MAG

SEALING

Up to IP65

MATERIALS

Al · SUS304 · carbon steel

INSPECTION

X-ray available

Spot Welding

Resistance welding for brackets, studs and reinforcements — no filler wire, no heat distortion, cycles in fractions of a second.



Resistance spot welding a stainless bracket — consistent nugget, no filler wire

PROCESS

Resistance spot (RSW)

CYCLE TIME

0.1–0.5 s per spot

THICKNESS

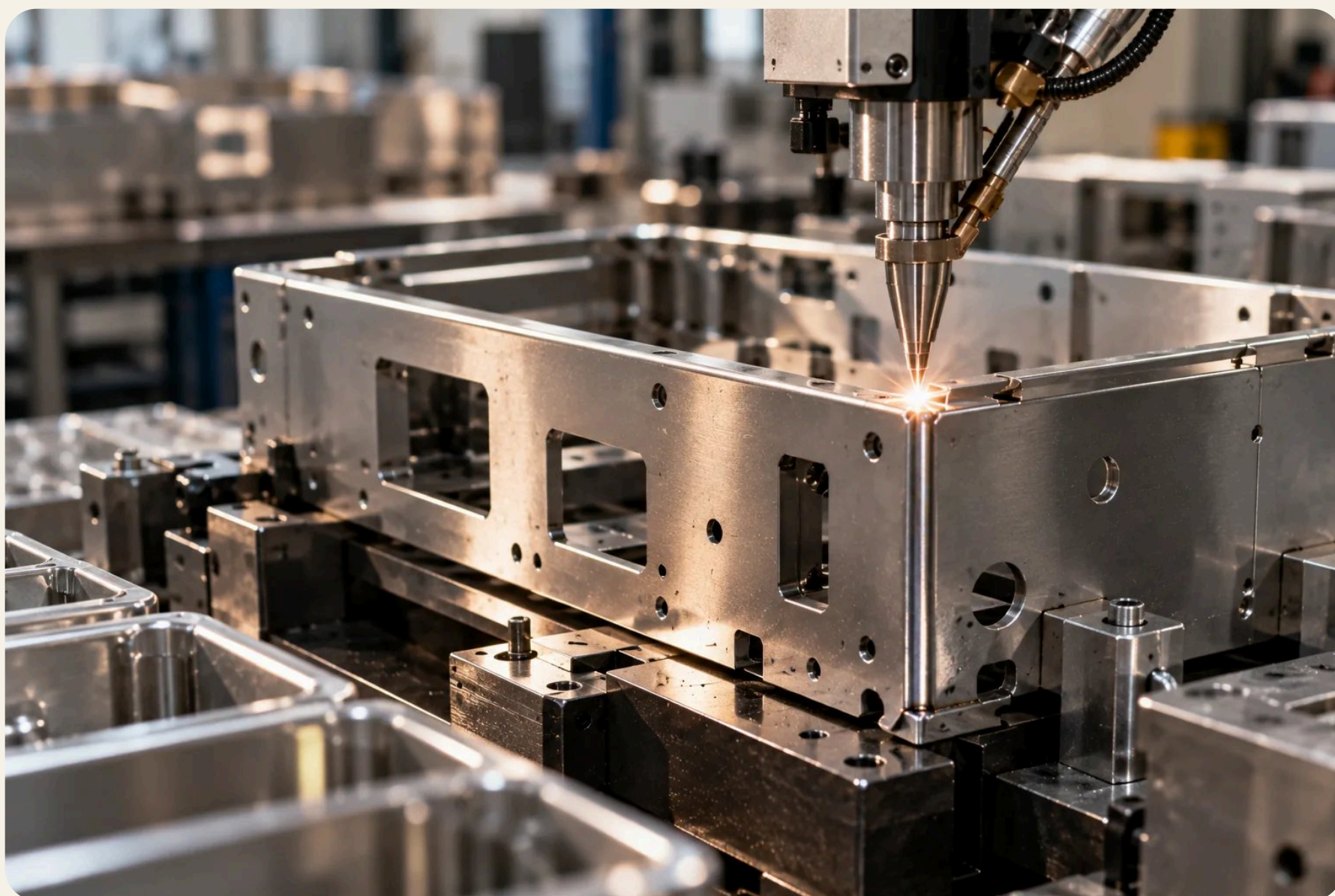
0.3–5.0 mm

MATERIALS

CRS · galvanized · SUS · Al

Laser Welding

Fiber laser welding for thin-gauge enclosures — heat-affected zone under one millimeter, no distortion, no post-weld dressing.



CNC fiber laser welding a stainless enclosure seam — 0.2–2 mm weld, heat-affected zone under 1 mm

PROCESS

Fiber laser, autogenous

SEAM WIDTH

0.2–2.0 mm

HEAT-AFFECTED ZONE

Under 1 mm

POST-WELD

No dressing required

02

SECTION TWO

Product Gallery

Chassis, enclosures, panels and bases — six representative builds, each fabricated to drawing on the same floor.

01 Equipment Base Plate

02 Telecom Equipment Chassis

03 Smart Home Hub Enclosure

04 Consumer Electronics Enclosure

05 Banking Kiosk Panel

06 Portable Power Station



Equipment Base Plate



MATERIAL

Aluminum 5052

PROCESS

Laser cut + CNC bend

TOLERANCE

±0.1 mm

Equipment base plate in 5052 — laser-cut apertures, CNC-formed, flatness verified to ±0.1 mm before packing.

Telecom Equipment Chassis



MATERIAL

SPCC 1.5 mm

PROCESS

Laser + bend + weld

FINISH

Powder coat, silver

19-inch rack chassis — cut, formed and welded in 1.5 mm SPCC, powder-coated silver, shipped with material certs.

Smart Home Hub Enclosure



MATERIAL
SECC 0.8 mm

PROCESS
Laser + bend + spot weld

FINISH
Zinc plated

Control box in 0.8 mm SECC — laser-cut ventilation pattern, spot-welded assembly, zinc plated for indoor devices.

Consumer Electronics Enclosure



MATERIAL

Stainless 304, 1.2 mm

PROCESS

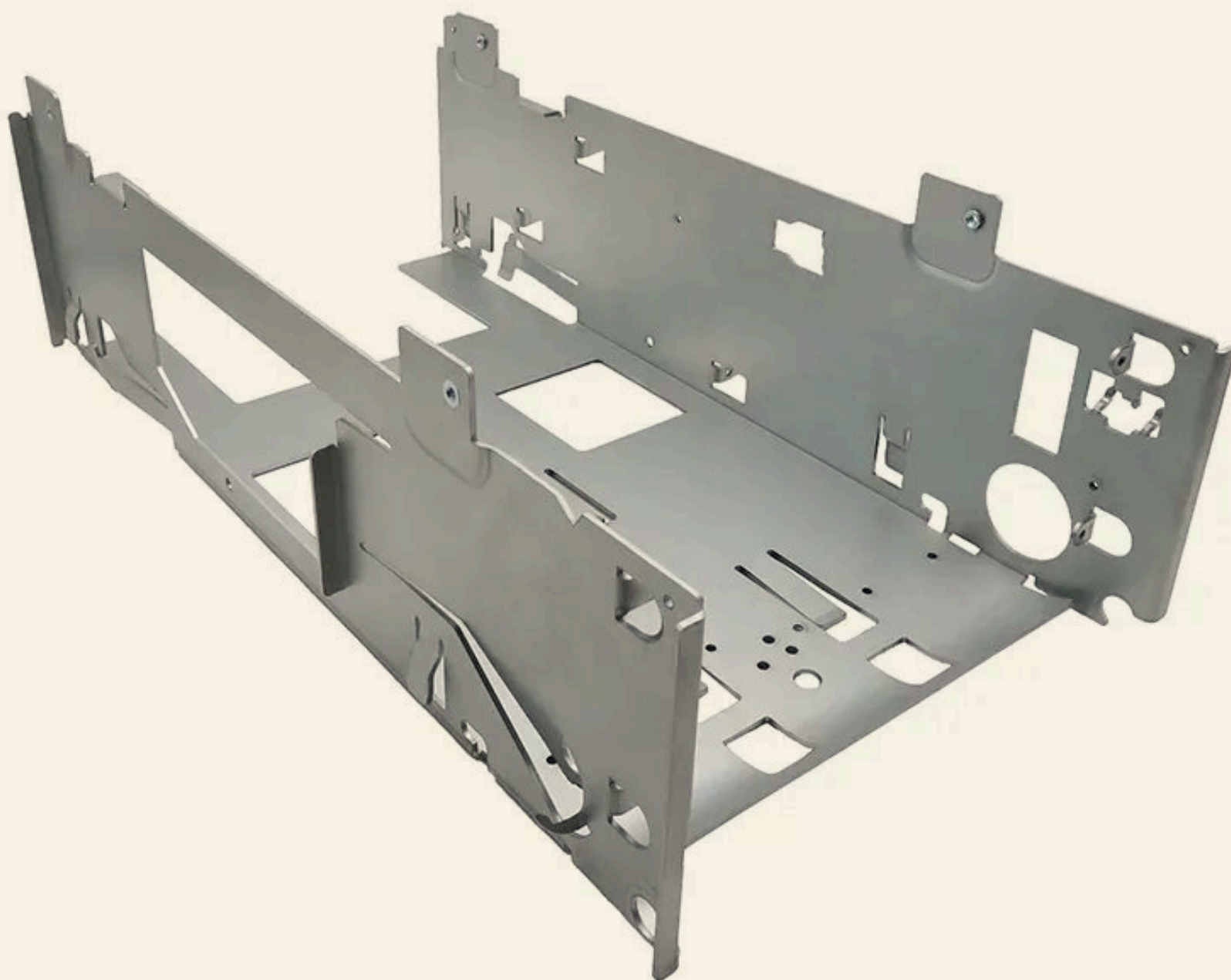
Laser + bend + MIG weld

FINISH

Brushed (No.4)

Stainless 304 enclosure in 1.2 mm — clean cutouts, MIG-welded corners, brushed No.4 finish, grounding lands masked.

Banking Kiosk Enclosure Panel



MATERIAL
SECC steel

PROCESS
Formed + welded

APPLICATION
Banking terminal

Large formed SECC panel for public banking terminals — welded, plated, assembled to drawing, surface protection before export packing.

Portable Power Station Enclosure



MATERIAL
Aluminum

PROCESS
Laser + bend + finish

SECTOR
New energy

Lightweight aluminum housing for portable energy storage — formed, deburred, inspected and export-packed.

03

SECTION THREE

Materials Library

—

Cold-rolled and galvanized steel, stainless, aluminum, copper and brass — sheet from 0.3 mm, stocked and specified to your drawing.

01 Cold-rolled steel SPCC

02 Stainless 304 / 316

03 Aluminum 5052 / 6061

04 Copper C11000

05 Brass H62 / C26000

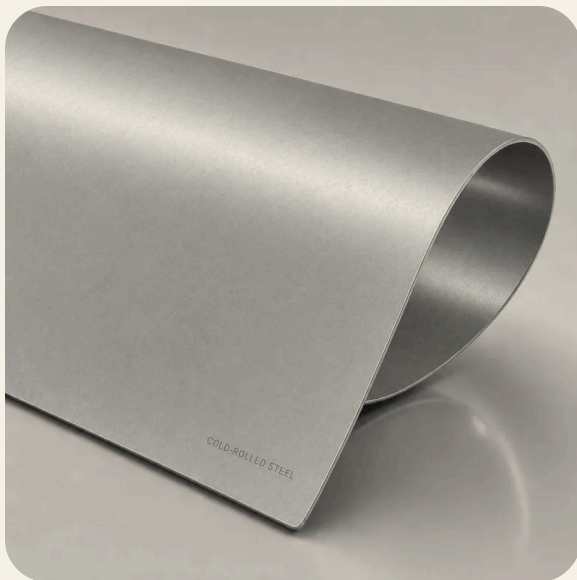
06 Galvanized SGCC



MATERIALS LIBRARY

On the floor, not on order

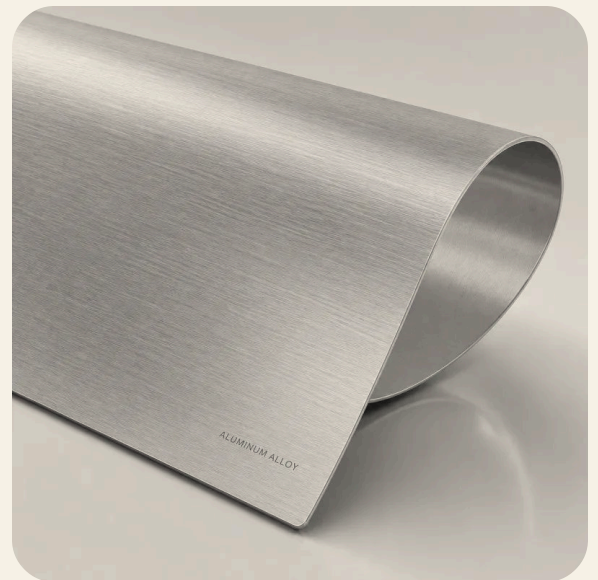
Cold-rolled and galvanized steel, stainless, aluminum, copper and brass — sheet from 0.3 mm, slit and cut to drawing.



Cold-rolled steel — SPCC



Stainless steel — 304



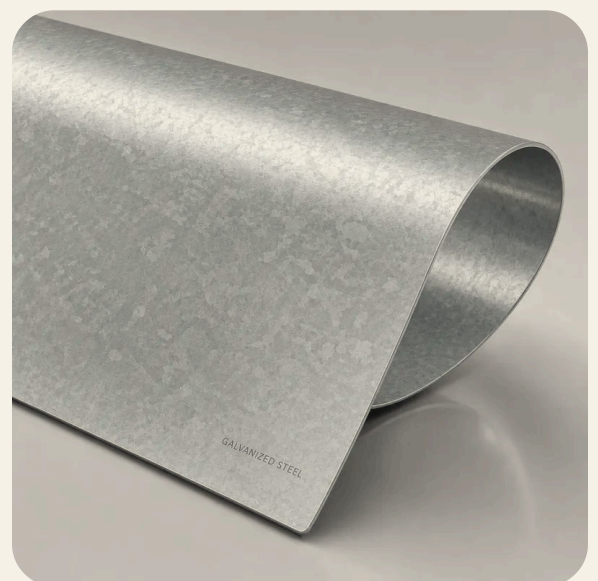
Aluminum alloy — 5052



Copper — C11000



Brass — H62



Galvanized — SGCC

ALSO IN STOCK

SECC · SPHC · 304 / 316L · 6061 · C26000 · C5191 · 65Mn — held as sheet from 0.3 to 5.0 mm.

04

SECTION FOUR

Surface Finishing

Powder coating, anodizing, plating, brushing and laser marking — applied by vetted partner shops to our specification, inspected to our standard.

01 Powder Coating

02 Anodizing II · III

03 Brushing & Sandblasting

04 Zinc & Nickel Plating

05 Laser Marking

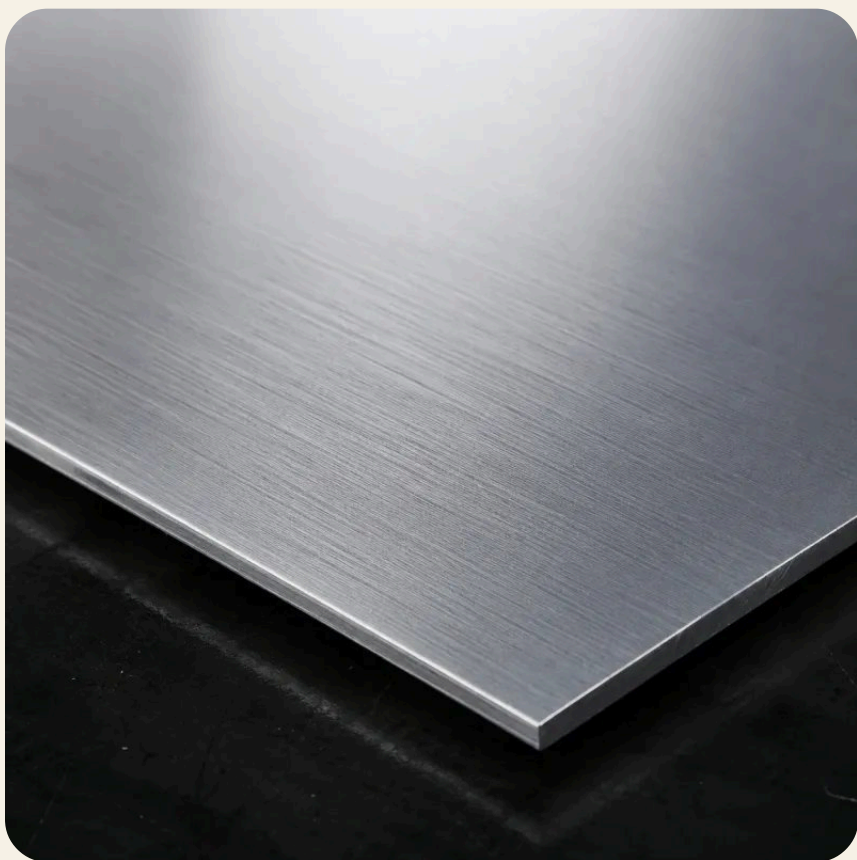
06 Passivation



SURFACE FINISHING

Finish Is Part Of The Tolerance

Powder coating, anodizing, plating and brushing — run by vetted partner shops to our spec, inspected on our floor.



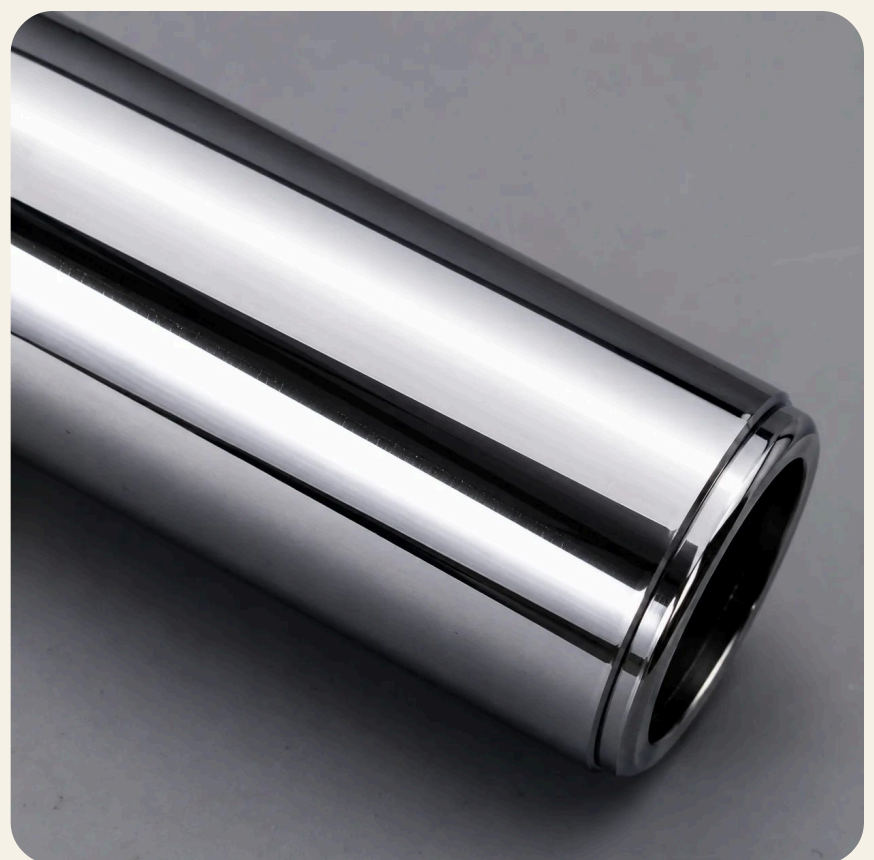
Anodized aluminum — Type II / III



Laser engraving — logos & markings



Powder coating — durable color match



Plating — corrosion & wear resistance

05

SECTION FIVE

Solutions & Delivery

From a single prototype to turnkey assembly — the route, the quality gate and the process, all on one floor, to one ± 0.1 mm standard.

01 Rapid Prototyping

02 Low Volume Production

05 Quality System

03 Mass Production

04 Turnkey Assembly

06 How We Work



SOLUTIONS

Three Routes To Production

Start with one part or ramp to volume — each route runs on the same equipment, to the same inspection standard.

01

Rapid Prototyping

1+ pcs · 3–7 days · zero die cost

**02**

Low Volume Production

50+ pcs · 7–15 days · no die cost

**03**

Mass Production

25T–300T presses · in-house tooling · FAI before ramp-up



Every route shares the same materials, processes and ± 0.1 mm standard — no re-qualification when you scale up.

TURNKEY ASSEMBLY

One purchase order, assembled and shipped



HARDWARE

PEM studs, nuts, standoffs

SEALING & SHIELDING

IP65 silicone sealing, EMI mesh

DELIVERY

Wiring harness, foam packaging

Insertion, sealing, shielding and wiring on dedicated sub-assembly lines — one invoice, one shipment, one point of accountability.

QUALITY SYSTEM

Checked At Every Stage

Four-step quality control from raw material to shipment — precision inspection at every stage, FAI reports on request.

01

Incoming Material

Each batch of raw sheet checked for thickness, grade and surface finish.

02

In-Process Check

First-article inspection and random sampling at every workstation.

03

Final Inspection

Dimensions checked against your drawing with precision instruments.

04

Shipment Audit

Packaging, labeling and surface protection inspected before dispatch.



Quality inspection center — dimensional verification against your drawing

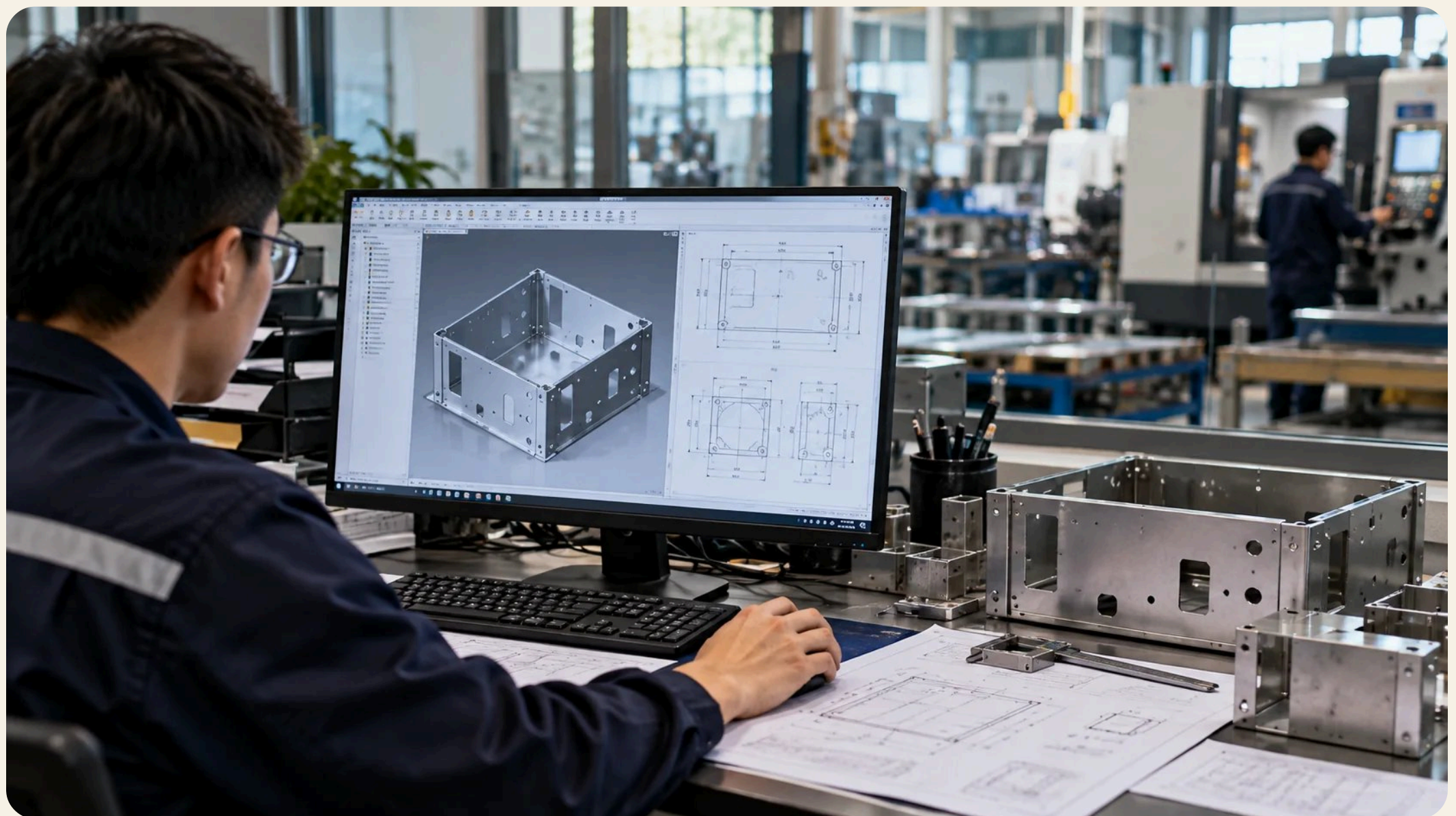
ISO 9001 certified quality management

Zeiss CMM & GD&T validation

98%+ first-pass yield

HOW WE WORK

From Drawing To Delivery



DFM review — every drawing checked before a single cut

01

RFQ & Quotation

Upload your files — material, processing and lead time back within 24 hours.

02

DFM Review

Bend allowance, inside radii and hole-to-edge checked before cutting.

03

Sample / Prototype

Laser cut and press-brake formed, often the same day. No die cost.

04

Production

Laser, punching and CNC bending at scale, quality-monitored per batch.

05

Surface Finishing

Powder coat, anodize or plating via vetted partners — one purchase order.

06

QC & Delivery

Final inspection, protective packaging, tracked logistics to your door.

Quote within 24h · Samples in 3–7 working days · One engineer per project

GET IN TOUCH

Let's Build Your Next Parts !

Send your drawings for a free DFM review. Our engineers reply within 24 hours — talk to the people on the floor.

Your drawings stay yours.

We do not reuse customer files, tooling or parts for any other client.

REQUEST A QUOTE

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