

2026 | COMPANY PROFILE



012 804 4515



110 Foundry Street, Silvertondale
Pretoria, Gauteng, South Africa



www.profection.co.za



About the Company

PROFECTION ENTERPRISE IS PROUD TO BE ONE OF THE LEADING MANUFACTURERS IN SOUTH AFRICA

Our aim is to maintain our position as the leading provider of precision manufacturing in South Africa while working to complement and facilitate the overall objectives of our clients.

Our distinct focus on international standards, technology transfer, R&D and most important, quality, helped us to strengthen our position and to stand out as a leading firm that can provide the utmost quality for the complex, high-performance and critical components required in our industries. With the technologies at our disposal, Profection Enterprise is well positioned to serve the growing demand for high end industrial components and tools.

We remain focused on further enhancing our capabilities through partnerships and constructive relationships and through human capital development as we engage in technical & engineering education and training programs.

Profection Enterprise continuously builds-up capabilities and know-how while developing products and work procedures that adhere to the highest international standards.



Our Mission & Vision

- Our vision is to be recognized as the world's leading enterprise in providing innovative and sustainable solutions.
- The mission at Profection Enterprise is to offer our clients the highest quality products and services that exceed expectations.
- We envision a future where our innovative approaches shape the industry, paving the way for unprecedented advancements.
- Our mission is to uphold our reputation as an industry leader by consistently delivering exceptional quality and unparalleled customer service.
- Profection Enterprise strives to create a world in which technology and innovation are leveraged to improve lives and drive business success.
- We are committed to maintaining a professional environment that fosters creativity, collaboration, and excellence - all in service of our mission.



Our Goals



1

QUALITY

Why this matters to clients:

Fewer site issues, snags, and reworks

Confidence in compliance (drawings, specs, coatings, welds)

Reduced total cost of ownership for the client

How Profection achieves this:

Standardised QC checklists per product type

Drawing and BOM control (latest revision only)

Clear FAT / inspection points

Proper documentation: QC forms, COCs, pressure tests, coating reports

2

DELIVERY

Why this matters to clients:

Their projects depend on your timelines (installations, FATs, commissioning).

Reliability builds trust and long-term partnerships. Reduces their project risk and escalation costs.

How Profection achieves this:

Accurate production planning (daily/weekly/monthly) Clear lead times at quotation stage

Early identification of bottlenecks and material risks

Proactive client communication when delays are unavoidable

3

Transparent, Professional Communication

Why this matters to clients:

They always know where their order stands

Fewer surprises and last-minute escalations

Builds confidence in Profection as a professional manufacturing partner

How Profection achieves this:

Single accountable Account Manager per client

Regular progress updates on long-lead or critical jobs

Prompt response to RFIs, drawing approvals, and changes

Clear documentation (quotes, revisions, delivery notes, invoices)



Our Services



•SHEET METAL

Bending machines

- Maximum bending thickness 10mm
- Minimum bending thickness 0.5mm
- Maximum part length is 3000mm
- Width is 4mm
- Can bend all material

Lazer Machines

- Maximum sheet size is 3000 x 1500 mm
- Can lazer all metals
- Stainless Steel up to 16mm thick
- Mild steel up to 25mm thick
- Aluminium up to 8mm thick

Insert Machine

- Fasteners as per request

Punch Machine

- Can punch Stainless Steel, Mild Steel, Aluminium up to 2mm thick and certain plastics
- Can punch Polycarbonate up to 3mm thick

Guillotine

- Can cut up to 3mm Mild Steel
- Can cut up to 2mm Stainless Steel



•MACHINING

CNC Lathe

- Maximum outside diameter: Up to 380mm

CNC Millturn

- Maximum bed travel (part footprint): Up to 570x1300mm/ Up to 800x800mm
- Maximum Length: Up to 1300mm

Manual Lathe

- Maximum outside diameter: Up to 400mm
- Maximum Length: 1300mm

- Maximum bed travel (part footprint): Up to (120x650x450)mm

Tapping Machines

- Maximum bed travel (part footprint): 400x400mm

NOTE:

For all machine shop material, remember to consider additional material for clamping.

Please confirm with a Profection engineer or account manager.



•WELDING

MIG Welding

- Maximum Material Thickness 16mm
- Can weld all metals

TIG Welding

- Maximum Material Thickness 6mm
- Can weld all metals

Fiber Lazer Welding

- Maximum material thickness 6mm
- Can weld Mild Steel, Aluminium and Stainless steel

Plasma Cutting

- Can cut any conductive material
- Maximum material thickness 10mm

Cut-Off Saw

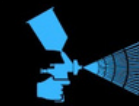
- Maximum diameter 124mm
- Any material

Pipe Bending

- Maximum diameter 57mm Round Bar

Bending Roll

- Maximum thickness 5mm



•FINISHING

Phosphating

- Maximum part size (bath): 1700 X 1100 X 700 mm
- For parts too big/ heavy for the bath a wipe down service is offered

Powder Coating

- Maximum part size (oven): 6200 X 1800 X 1800 mm

Wet Spray

- Spray booth dimensions: 1800 X 1500 mm
- Applies to all material
- If the part size exceeds maximum spray booth limits, the parts may be wet sprayed outside the spray booth

Disclaimer

- Please ensure the accuracy of DXF files and bending factors by consulting a Profection Enterprise engineer or account manager before proceeding with an order.
- Please specify weld type and locations before proceeding with an order.
- Special machinery requests may be considered upon inquiry.
- Please specify internal or external powder coating before proceeding with an order.
- All parts need holes for any powder coating process.
- If part size exceeds maximum part dimensions alternate arrangements can be made.



Get in Touch.



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 **PROFECTION**
Design • Manufacture • Precision
Enterprise