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GENERAL PROFILING

(Pty) Ltd

THE COMPLETE STEEL AND STAINLESS STEEL SERVICES HUB



SERVICES INCLUDE

LASER CUTTING • HIGH DEFINITION PLASMA CUTTING • WATERJET CUTTING • PLASMA CUTTING • FLAME CUTTING • GUILLOTINE CUTTING
• ROLLING • CNC BENDING • FABRICATION • POWDER COATING • ROBOT WELDING • MACHINING • SAND BLASTING

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FOR FULL DETAILS PLEASE VIEW OUR WEBSITE: www.generalprofiling.co.za

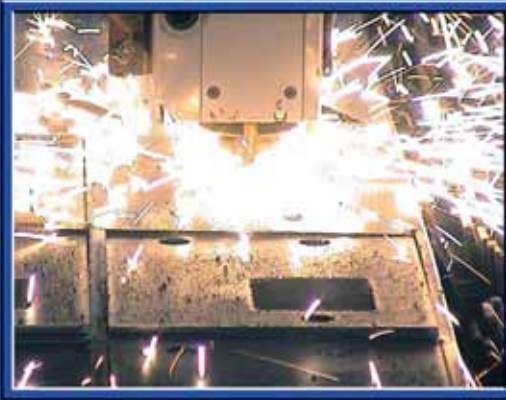


SEE INSIDE FOR NEW PRODUCTS AND SERVICES!

CNC LASER CUTTING

- Maximum cutting size: 6 000mm x 2 000mm.
- Maximum cutting thicknesses: Up to 25mm in carbon steels, 25mm in stainless steels and 16mm in aluminium.
- Tube laser cutting up to 280mm Ø.
- Ferrous and non-ferrous tubes.
- Wood, perspex, friction material, also processed.
- 5 Lasers.

CNC LASER CUTTING



CNC HIGH DEFINITION PLASMA CUTTING

- Maximum cutting size: 10 000mm x 2 500mm.
- Maximum cutting thickness: 20mm.
- Superior cut quality.
- Almost laser quality at almost flame cut prices.

CNC HIGH DEFINITION PLASMA CUTTING



CNC WATERJET CUTTING

- Cold water process, therefore no heat affected zone and no distortion.
- Maximum cutting size: 3 000mm x 2 000mm.
- Maximum cutting thicknesses: 150mm in aluminium and 100mm in stainless steel, titanium and mild steel.
- Superior cut quality.
- Twin cutting heads to increase productivity and reduce price.
- Waterjet can do what lasers can't do eg. small holes.

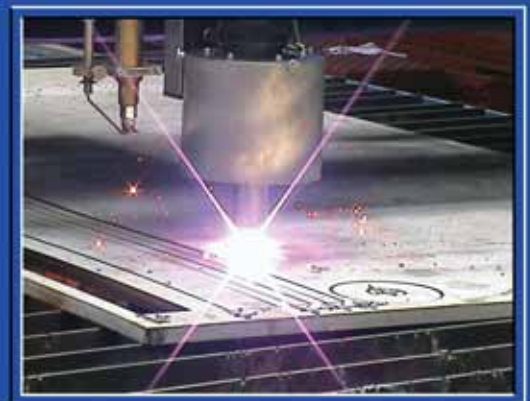
CNC WATERJET CUTTING



CNC PLASMA CUTTING

- Maximum cutting size: 10 000mm x 2 500mm.
- Maximum cutting thickness: 70mm in stainless steel.
- Superior and square cut edge due to hydrogen gas assisted cutting.

CNC PLASMA CUTTING



CNC FLAME CUTTING



CNC FLAME CUTTING

- Maximum cutting size: 10 000mm x 2 500mm.
- Maximum cutting thickness: 150mm.
- Parts are fettled and strapped before despatch.

NC GUILLOTINE CUTTING



NC GUILLOTINE CUTTING

- Maximum cutting length: 3 000mm.
- Maximum cutting thicknesses: Up to 16mm in mild steels and 12mm in stainless steels and 3CR12.
- Parts strapped before despatch.

CNC BENDING



CNC BENDING

- Maximum bending force: 320 tonnes.
- Maximum bending length: 4 000mm.
- Maximum part weight: 5 tonnes.
- 3-Point bending facilities for extra accuracy and repeatability.
- 3D part development available.

ROLLING



ROLLING

- Maximum rolling length: 2 500mm.
- Maximum rolling thickness: 16mm in mild steel and up to 8mm in stainless steel.

MACHINING

- Milling.
- Turning.
- Drilling.
- Counter sinking.
- Tapping.

MACHINING



FABRICATION

- Robot welding.
- Light fabrication.
- MIG welding/ TIG welding/ stick welding.
- Stainless steel parts pickled after welding.
- Sand blasting.
- R & D assistance to customer.

FABRICATION



POWDER COATING

- 7-Stage pre-treatment plant to ensure correct surface preparation to facilitate superior powder bonding and a longer coating life.
- Sand blasting.
- Wrapping before despatch.
- Camel back oven.
- Dual conveyors.
- Dual spray booths for easy colour change.
- Comprehensive stock of powder in various colours.
- Smooth, textured, interior, exterior, primer coat, clear coat.

POWDER COATING



PUNCHING

- Punching up to 12mm plate.
- Cropping up to 12mm angle, flat, square bar and round bar.

PUNCHING

