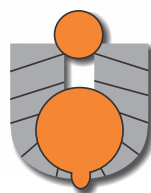
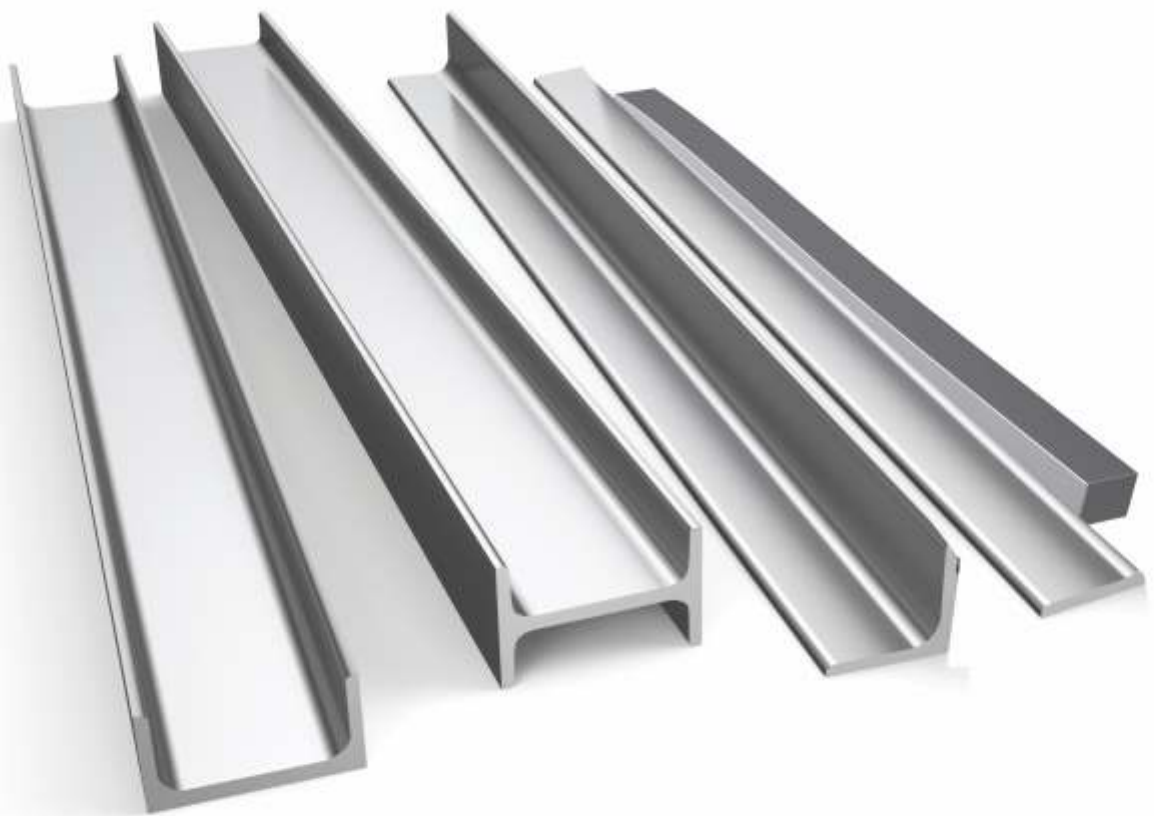




Proudly pioneering secondary steel manufacturing in South Africa.



Strength & Beyond

UNICA
IRON & STEEL

Manufacturers of Light & Medium Structural Steel



ISO 14001:2015

**ENVIRONMENTAL MANAGEMENT
SYSTEM**

UNICA has installed a FES (furnace fume extraction system) as part of its commitment to pollution control and environmentally sound practises.



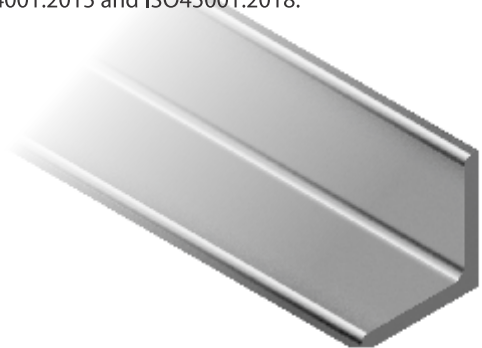
Unica Iron and Steel is a leading manufacturer of light and medium structural steel, located in Babelo, Pretoria, Gauteng.

Established in 2006, the company has grown to over 800 staff operating from a 36 000m² facility where the company has garnered a reputation for manufacturing quality light structural sections (window sections, square bar and angle iron) commercially.

Instead of using iron ore, Unica Iron and Steel melts iron scrap, then rolls the resultant billets into structural steel. This fully integrated mini steel plant is the first of its kind in South Africa, with the concept originating from China and India.



Always intent on innovation and the highest quality standards, Unica is proud to be the first steel mill in South Africa to receive all three ISO integrated management systems accreditations: ISO 9001:2015; ISO 14001:2015 and ISO45001:2018.



Mission: Sustainability & Innovation

To achieve our vision through our dedicated approach and continuous growth, by supplying high quality steel utilizing innovative technologies and methods within an environment of motivated employees, focused on continuous improvement, making Unica Iron and steel an economically, environmentally and socially sustainable enterprise

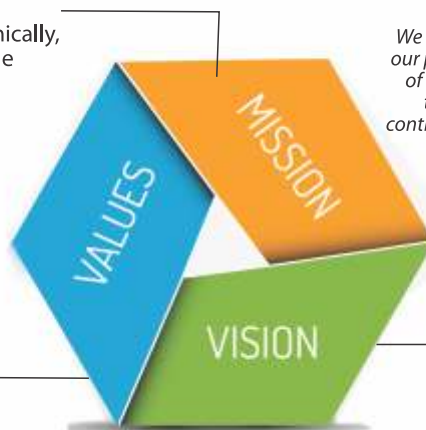
Strength & Beyond

To raise the benchmark of the steel industry and become a leading player in the market.

We believe that the strength of our product is also the strength of our business. By ensuring a top quality product, we will continue to grow the secondary steel market and remain a leading manufacturer in this area.

Values: Integrity & Equality

We believe in following the highest business standards, work ethics and corporate citizenship. Our integrity in how we work with our staff and our clients must always be impeccable. We believe in creating equal opportunities for everyone working for Unica Iron and Steel. As a corporate citizen, we believe that the impact we have on the communities and environment around our business, must be positive. To that end, we encourage a culture of care and upliftment, supporting multiple projects to uplift the disadvantaged and provide assistance and relief for those less fortunate.



Traditionally, steel is produced by smelting iron ore. The huge investment required in this method, limits production to a few giants.

Melting steel scrap offers flexibility to the whole value chain. The low investment required and labour intensive process, makes mini mills a perfect option for the South African context.

By using processed steel scrap as raw material instead of iron ore, energy reductions of up to 74% and atmospheric pollution reduction of up to 86% per ton of crude steel, can be made.



“

UNICA have developed their process, their quality, HR wise, the Health & Safety Act, they have got systems and they have gone out of their way to start being a real mill, rather than a mini mill.

Group Procurement Manager, Stewarts & Lloyds

”

Processed steel scrap is melted at 1600 degrees Celsius using a 22 ton induction furnace. This process of producing steel from steel is known as secondary steel manufacturing.

Focussing on this niche, Unica has managed to grow its market share to around 30%. Unica's success and growing market share is a result of innovation in developing and improving prevailing sections according to customer demand.

The consistent, high quality produced has seen Unica's products listed with all the major distributors and steel merchants.



Did you know?

Apart from its own 800 employees, UNICA's robust **supplier development programme** has empowered businesses in the transport, cleaning & food services industries, creating almost 200 additional jobs..



ISO 9001:2015

QUALITY MANAGEMENT SYSTEM

Traceability is of critical importance in secondary steel manufacture.

The quality of the scrap used is crucial to the secondary steel making process.

Qualified metallurgists constantly measure the chemistry in UNICA's state-of-the-art laboratory, using a Bruker Spectrometer. Each batch is marked with a unique number for traceability.

The resultant steel billets of up to 6m lengths are then processed in the rolling mills to produce light to medium steel sections.



UNICA is a level 3 BEE compliant company and that assists ISILO in our preferential procurement.

Executive Director, ISILO Steel

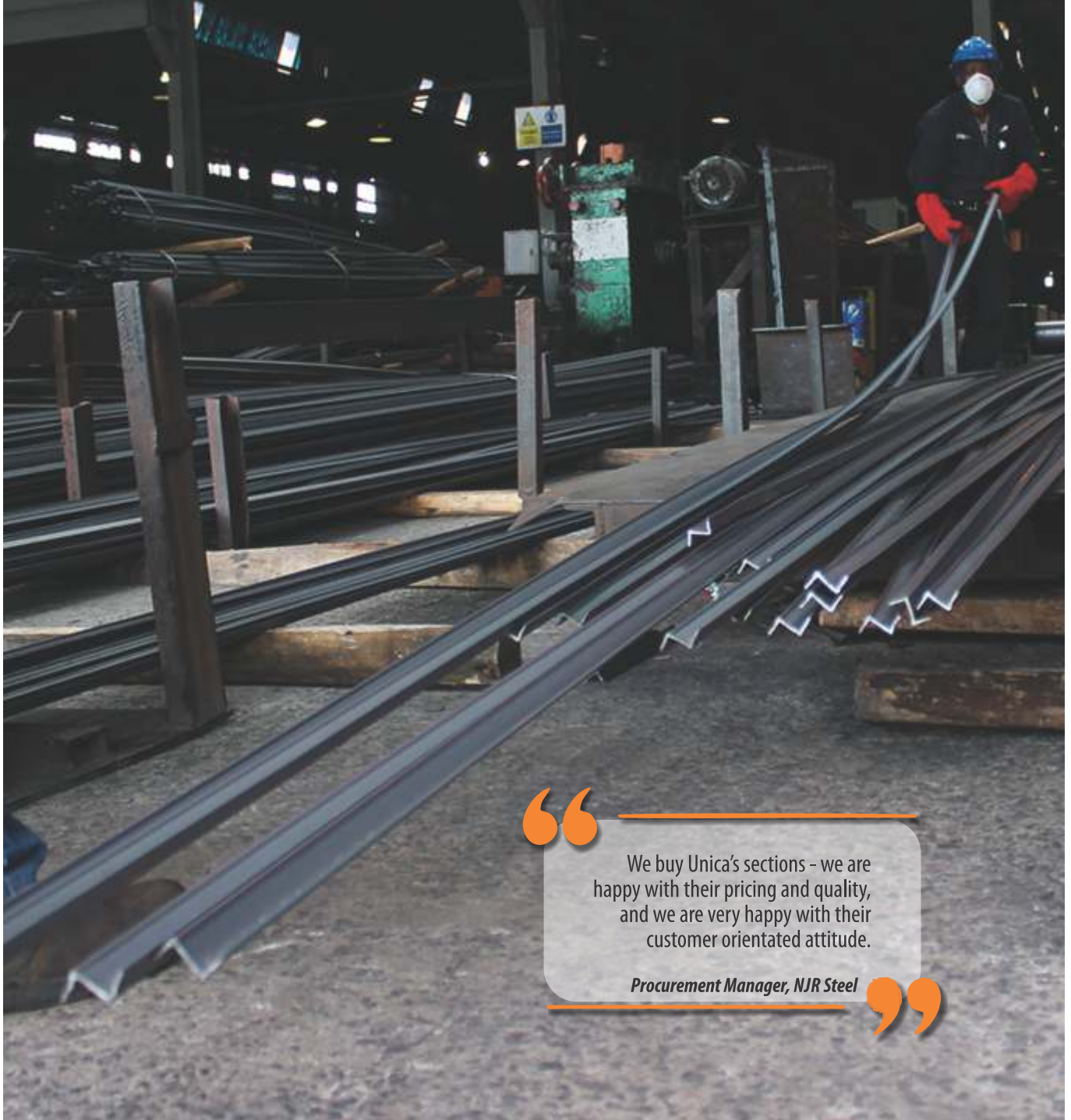


ISO 45001:2018

HEALTH & SAFETY MANAGEMENT SYSTEM

UNICA is committed to the highest safety standards and is proud of the low incidence of accidents. Stringent measures are taken to protect all employees and programmes to build a health and safety culture, are place.



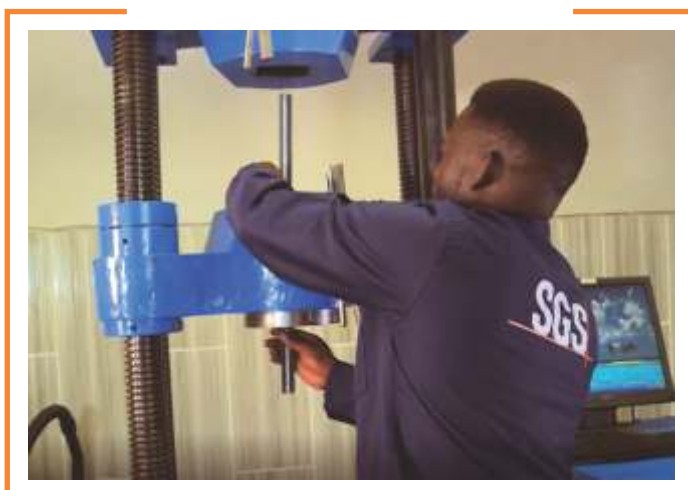


“

We buy Unica's sections - we are happy with their pricing and quality, and we are very happy with their customer orientated attitude.

Procurement Manager, NJR Steel

”



UNICA's four rolling mills produce 85 different profiles:

- Angle iron
- Channel iron
- Flat bar
- IPE and
- Window sections

All steel manufactured conforms to CQ-300 WA or S355 (EN10025) standards and are sold in 2 ton bundles.

UNICA has appointed independent testing and verification experts, SGS, to run its in-house, state of the art laboratories. Each bundle is marked with a unique number for traceability.



Angle Iron:

- 25 x 25 x 2 | 2,5 | 3 | 5mm
- 30 x 30 x 2 | 2,5 | 3 | 5mm
- 40 x 40 x 2 | 2,5 | 3 | 5 | 6mm
- 50 x 50 x 3 | 5 | 6 mm
- 60 x 60 x 6 | 8 mm
- 70 x 70 x 6 | 8mm
- 80 x 80 x 6 | 8mm



Channels

- 76mm x 38mm
- 100mm x 50mm



I.P.E

- 76mm x 45mm (Fencing)
- @ 4.5kg/m



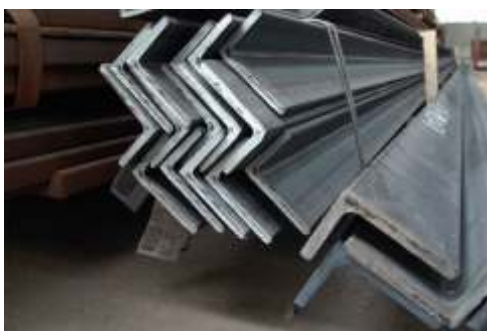
Flat bar

- 25mm x 45
- up to 100mm x 10mm



Square bar

- 10mm | 12mm | 16mm
- 20mm | 60mm



Window sections

LF7, LFX



Unequal angle

- 75 x 50 x 6mm | 8 mm





Management System
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

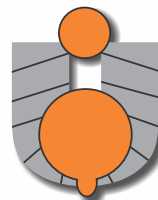


www.tuv.com
ID: 900000029



www.unica.co.za

012 719 9736 | info@unica.co.za
9th Street Erf 87, Babelegi, Pretoria, South Africa



Strength & Beyond

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