



INTER-STEEL

PROFILE CUTTING SERVICES

Inter-Steel have the most comprehensive cutting service available under one roof. We can supply and cut to shape all grades of metal plate and sheet from 0.5mm to 300mm in thickness

Bystronic

Kinetic
Cutting Systems Inc.

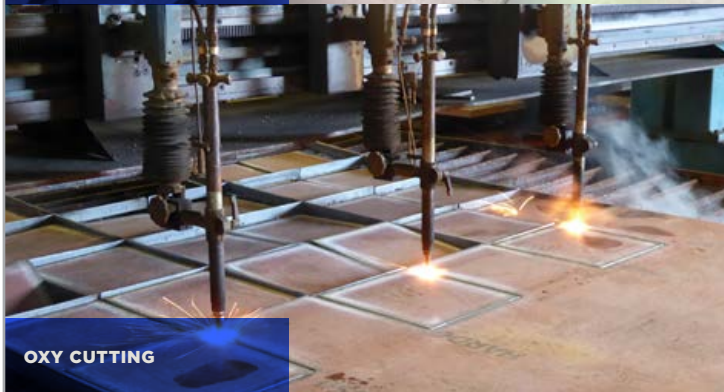
PCS
Profile Cutting Systems



LASER CUTTING



HIGH DEFINITION PLASMA CUTTING



OXY CUTTING



DRILLING & COUNTERSINKING

OUR PROFILE CUTTING CAPACITY

LASER CUTTING

- 2 off Bystronic 3015
- 1 off Bystronic 4020
- Plate size - up to 2m x 4m x 25mm thickness M/S
- Stainless Steel and Aluminium plate up to 16mm thickness
- Cutting Tolerance +/- 0.2mm

HIGH DEFINITION PLASMA CUTTING

- 1 off Kinetic K2500 400 Amp
- 1 off Kinetic K4000 260 Amp
- 1 off PCS 200 Amp
- Plate size up to 3.2m x 12m
- Cutting Tolerance +/- 2mm

OXY CUTTING

- 2 off PCS Multi Torch Machines
- Plate size up to 3.2m x 12m (Maximum 300mm Thickness)
- Cutting Tolerance +/- 2mm

ADDITIONAL SERVICES

- Cad Cam Department
- Bevel Cutting
- Machining
- Drilling
- CounterSink/Counter Bore
- Tapping
- Milling
- Stud Welding
- Pressing /Bending
- Rolling





INTER-STEEL

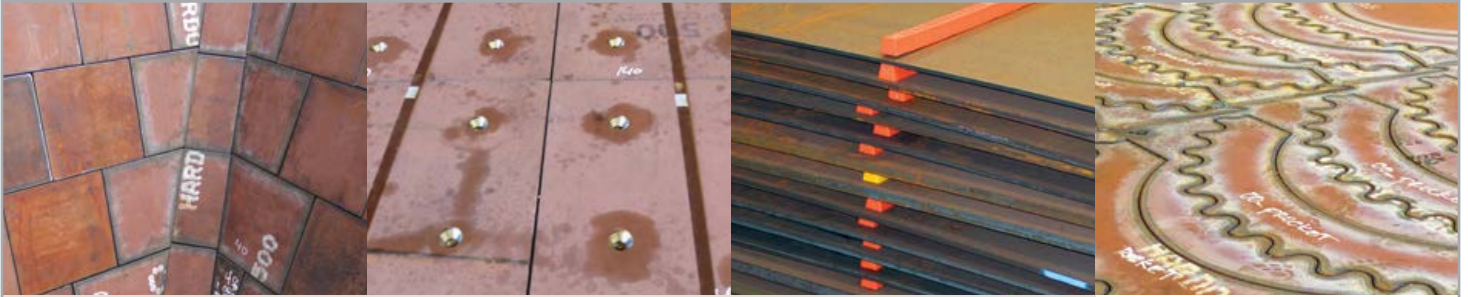
QUENCHED & TEMPERED STEEL PRODUCTS

Inter-Steel stock and process a comprehensive range of Quenched & Tempered Steel Products.

Inter-Steel understands the tough environments that your firm operates in. Whether it's a chute liner package or a Bucket re-build. We are certain you will find the right product. Our experienced staff are available to assist you in selecting the appropriate product for your application.



INTER-STEEL



QUENCHED & TEMPERED GRADES:

Q&T 80 HIGH STRENGTH STEEL

690 MPa (Typical 750 MPa)

Thickness 4mm-150mm

Applications: Lifting Equipment, Cutting Edges, Chassis Components, Earth Moving Buckets

Q&T 400 ABRASION RESISTANT STEEL

370-430 HB (Typical 400 HB)

Thickness 5mm-100mm

Applications: Wear Liners, Truck Bodies, Earthmoving Buckets, Cutting Edges, Spiral Flights

Q&T 450 ABRASION & IMPACT RESISTANT STEEL

425-475 HB (Typical 450 HB)

Thickness 3.2mm-50mm

Applications: Wear Liners, Truck Bodies, Cutting Edges, Dump Truck Wear Liners

Q&T 500 ABRASION RESISTANT STEEL

477-534 HB (Typical 500 HB)

Thickness 6mm-100mm

Applications: Chutes, Wear Liners, Wear Strips, Earthmoving Buckets & GET

Q&T 600 ABRASION RESISTANT LOW IMPACT STEEL

570-640 HB (Typical 600 HB)

Thickness 10mm-50mm

Applications: Wear Liners, Chutes, Shredders, Hammers & GET

CAST WEAR PRODUCTS & CERAMICS

Inter-Steel stock an extensive range of Cast wear products and Ceramics. We can also match these with the appropriate fastening systems Custom Cast & Ceramic Wear liner options are also available

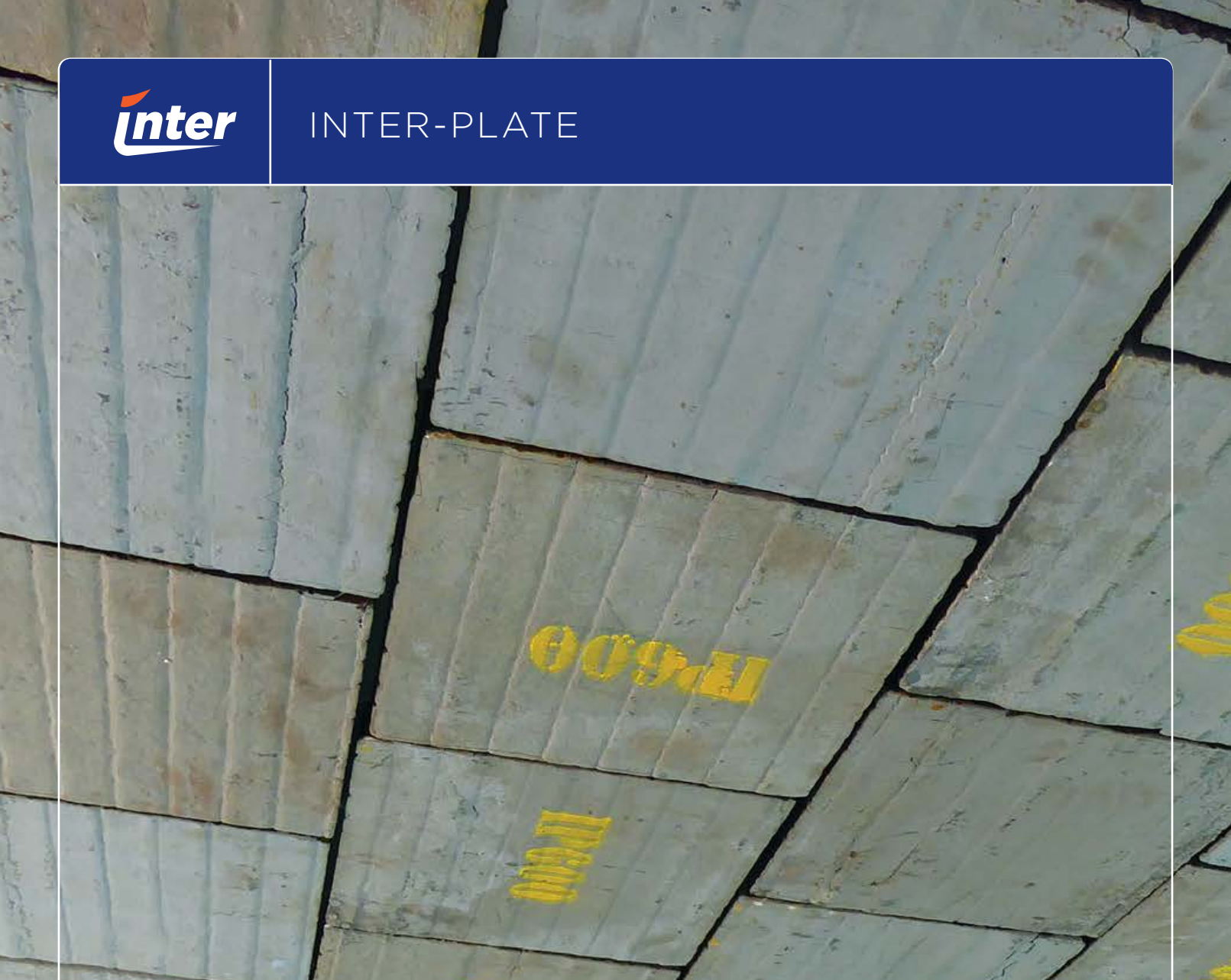
These include and are not limited to:

- Domite
- Ni-Hard
- Chocky Bars
- Wafer Strips
- Wear Buttons & Wear Nuts
- Wear Blocks
- Ceramic Bonded Aluminium & Zirconium Oxide Tiles





INTER-PLATE



CHROMIUM CARBIDE WEAR PLATE

Manufactured in our Perth WA facility. IP600, IP800, IP900 and IP1200 grades specifically designed to meet Australian Conditions available in Standard, Smooth or Polished finishes.





INTER-PLATE



- Complies to Australian Standard AS/NZ 2576
- In- house Metallurgical Laboratory for Quality Assurance and Testing
- In- House processing including:
 - Profile Cutting
 - Weld In Countersunk Inserts
 - Weld on Studs to AS/NZ 1554.2
 - Forming and Rolling

IP600

contains hard 1600HV chromium carbides able to resist extreme wear in abrasive applications. The refined primary carbides are uniformly distributed throughout the overlay thickness to provide optimum and uniform wear protection. The fine carbide size and the tough austenitic matrix also combine to provide greater impact resistance over similar austenitic chromium carbide



Interplate IP600 AS2576 Grade 2355 Austenitic Chromium Carbide overlay x100 magnification

IP800

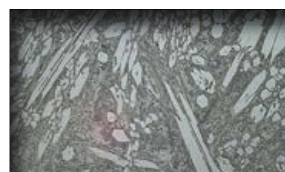
is a complex chromium carbide alloy which contains a mixture of chromium carbides and niobium carbides up to 2400HV improving abrasion resistance in extremely abrasive applications. The microstructure is finer than that in the IP600 and combined with the “stainless” austenite matrix provides superior impact and corrosion resistance.



Interplate IP800 AS/NZ 2576-2460 austenitic complex chromium carbide overlay x 100 magnification

IP900

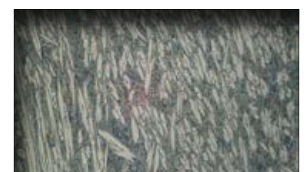
contains a high concentration of coarser 1600HV chromium carbides uniformly distributed throughout the overlay thickness. The matrix has been hardened to provide additional abrasion resistance in severe applications involving erosion and sliding wear.



Interplate IP900 AS/NZS 2576-2560 martensitic chromium carbide overlay x 100 magnification

IP1200

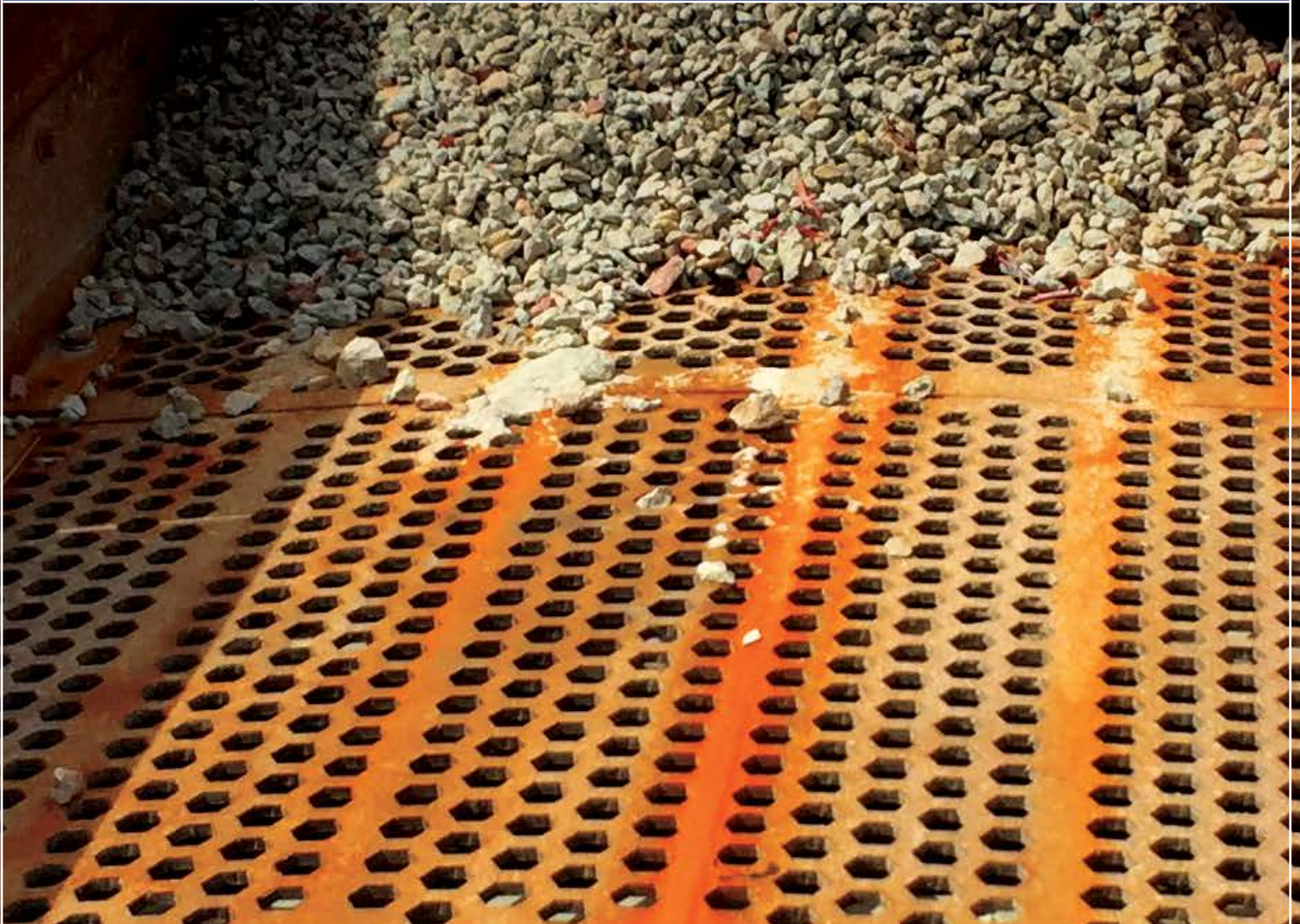
is a highly alloyed complex chrome carbide wear plate designed for greater wear resistance than IP800. The development of IP1200 provides a chrome carbide wear plate which exceeds all known standards and requirements including AS/NZ 2576-2460



Interplate IP1200 AS/NZ 2576-2460 austenitic complex chromium carbide overlay x100 magnification

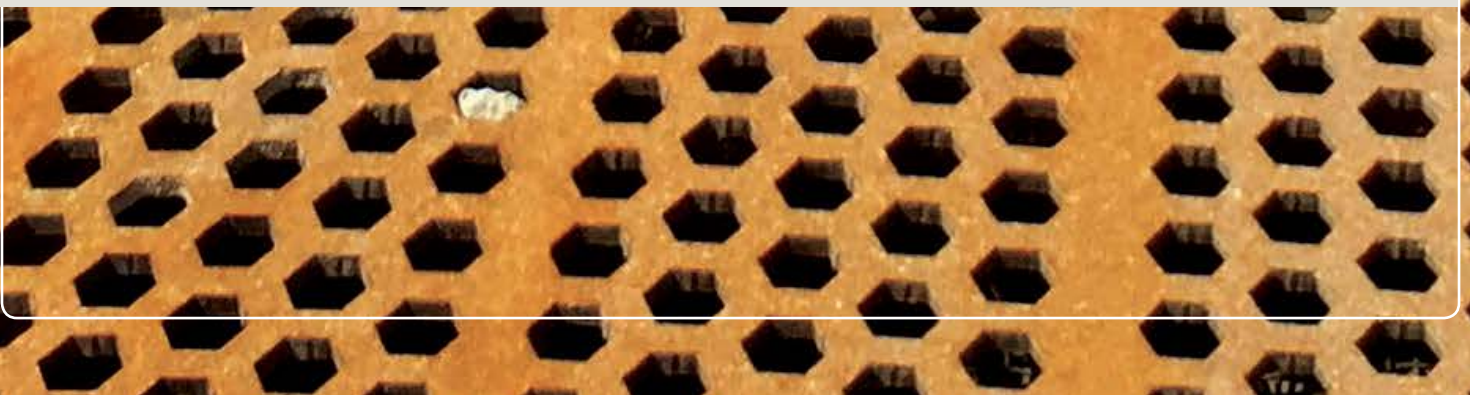


INTER-SCREEN



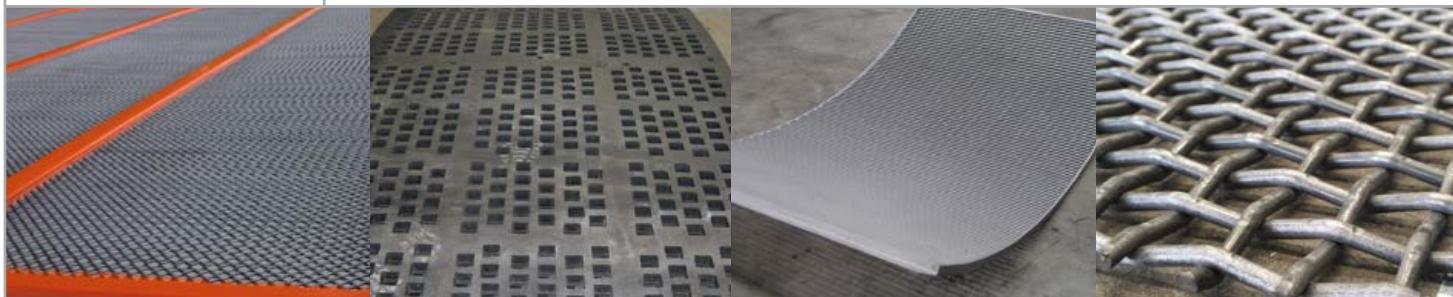
SCREENING & MESH PRODUCTS

Inter-Screen supply a range of screening media to the mining, quarrying and industrial processing industries.





INTER-SCREEN



WOVEN WIRE MESH

- Hi Tensile,
- Stainless Steel grade 304 or 316
- Piano/Harp Wire Screens in Hi-Tensile & Stainless Steel

PERFORATED PANELS

- Stainless Steel grade 304 or 316
- Mild Steel, Galvanised & Aluminium

WELDED MESH

- Stainless Steel grade 304 or 316

WEDGE WIRE

A wide range of sizes available to suit your requirements. Supplied as flat panel, cylinders, buckets or curved sieve bends. Fabricated from grade 304 or 316 stainless steel.

POLYURETHANE

Punched and cast screencloths and screen panels.

RUBBER

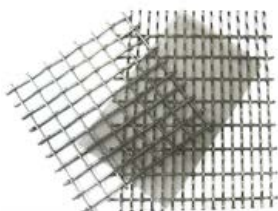
Punched screencloths, cast rubber screen panels.

PLUS A LARGE RANGE OF CONSUMABLES & ACCESSORIES!

Wedge Wire



Woven Wire



Welded Stainless Steel Mesh



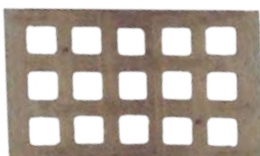
Harp Screen



Hooked Screens



Profiled Plate



Rubber Screen



Wedge Bolt



20mm Screen Bolt Combo



Polyurethane



Spray Nozzle



Stringer Capping



Side Clamping Bars



Impact Panel



10mm Poly Capping



Orange Skirting





The Inter-Group of companies is a customer focused market leader utilising world class best practice to continue to grow our product range and services. We offer a total package of manufactured steel and engineering consumable products of profiled cut metal plate, wear plate and screening media.

The Inter-Group of companies consist of Inter-Steel Pty Ltd and Inter-Screen (Aust) Pty Ltd both of which are located in a modern purpose built

facility of 5800m² on a 14250m² site in Canning Vale, Western Australia.

We have searched the globe for raw materials and have invested in world class state of the art processing facilities to give you, our valued customer, the very best products and services available.

We are proud to say that our staff are totally committed to providing excellence in customer service.



Phone: (08) 9256 3311 **Email:** sales@intergroup.net.au



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Address: 9 Ilda Road, Canning Vale WA 6155

Inter-Group Product Summary

Grade 250	White Iron Castings
Grade 350	Ceramics
Floor Plate	Aluminium
Boiler Plate	Stainless Steel
Quenched & Tempered Grade 80	Woven Wire Mesh
Quenched & Tempered Grade 400	Welded Mesh
Quenched & Tempered Grade 450	Wedge Wire
Quenched & Tempered Grade 500	Polyurethane Screens
Quenched & Tempered Grade 600	Rubber Screens
Chromium Carbide Weld Overlay Plate	Screening Media Accessories



www.intergroup.net.au