



Midway Metals

the stainless steel innovators



Flat out brilliant

The latest technology in stainless steel coil processing

Absolutely laser flat

At Midway Metals, we pride ourselves on quality and innovation. We're constantly upgrading our products and services to meet and exceed market expectations. We are proud to announce that we have made the largest investment in the stainless steel industry in Australia since the mid 1990's.

Laser cutters and fabricators demand flat material and Midway Metals can deliver. We have recently purchased and installed a state of the art precision blanking line from Red Bud in the US, with an in-line stretcher leveller, that produces superior flatness unsurpassed in our industry.

By stretching the material beyond it's yield point, our stretcher leveller resets the material's memory from

the milling process. The material is stretched from top to bottom and edge to edge, releasing all internal stresses and producing a perfectly flat product.

Stretcher levelling is superior to other techniques currently used in Australia. It's the only process guaranteed to flatten the material, without reducing the thickness (a common problem with temper passing). And, while temper passing and roller levelling can reduce the internal stresses in the material, they will not reset it. Only stretcher levelling can reset a material's memory.

With our new precision blanking line, we can provide dead flat sheets and plates, cut to length up to 12 metres.



When precision cutting, quality fabricating and 100% perfection in flatness count, Midway Metals' stretcher leveller is the only process in Australia that can deliver.

Key features and benefits

The ability to produce perfectly flat material is not the only benefit of Midway Metals stretcher leveller technology. See below the various features and benefits that set stretcher levelling apart from other inferior alternatives.

Benefits for fabricators

- Material stays flat after folding and punching
- Need for rework from warping, eliminated
- No tensile springback. Fold/bend material just once to achieve desired angle
- Save time from unnecessary rework
- Process will not change mechanical properties

Benefits for laser cutters

- Midway's Laser Flat material
- Material doesn't warp when laser cut with high heat
- Improved material quality allows for consistent cutting
- Material stays flat after laser cutting
- Likelihood of damage to laser heads decreased when cutting
- Ability to retain accuracy when cutting long, flat lengths
- Decreased cutting time with no changes in material during the cutting process



Blanking line capabilities

	<i>Minimum</i>	<i>Maximum</i>
Coil Weight	2,000kgs	24,040kgs
Coil Width	152mm	2,210mm
Coil ID	483mm	635mm
Coil Diameter	N/A	2,134mm
Thickness	0.51mm	10mm
Sheet Length	300mm	12,000mm



Length Tolerances	0 to 3,000mm	3,001mm to 6,000mm	6,001mm to 9,000mm
0.51mm to 8mm thick	+/- 0.13mm	+/- 0.26mm	+/- 0.39mm
10mm thick	+/- 2mm	+/- 3mm	+/- 4.5mm



Three stages to perfection

Stage one

Mandrel and roller levellers

- Mandrel capabilities
 - Maximum coil weight: 24,040kgs
 - Maximum coil diameter: 2,134mm
- 2 Bradbury roller levellers (0.5mm to 3.5mm) and (2mm to 10mm) for initial flatness
- Mandrel and levellers drive material 60 metres along line to grip feeders
- Crop shear for initial square edge
- Coil stage area can accommodate 5 * 24 tonne coils



Stage two

Stretcher leveller

- Stretches material top to bottom and edge to edge to exceed yield point with no reduction in thickness
- Resets internal stresses from milling process for perfectly flat sheets
- Does not affect the quality or molecular composition of the material
- Eliminates edge wave and centre buckle, from material not properly coiled at the mill
- Ability to PE coat double side and not affect or mark material when stretching
- Thickness range: 0.51mm to 10mm
- Width range: 152mm to 2,210mm



Stage three

Shear and drop stacker

- Motor grip feeder ensures length tolerances and squareness
- All pallet sizes are stocked for quick delivery
- Ability to cut to length reduces wastage and saves money
- Sheet lengths 300mm to 12,000mm



The stainless steel innovators

Leading the industry in both quality and innovation of product lines and services, is our main priority. We are constantly updating what we offer to ensure that we stay ahead of our competitors. We go the extra mile to meet our customers needs. Midway's focus is ensuring complete customer satisfaction via procuring, stocking and identifying all forms of stainless steel and providing an unequalled level of after sale service and support.

Not just products

At Midway, we don't just sell stainless steel. We have a whole range of services that sets us apart from our competitors and further reinforces our position as the industry leaders in all things stainless steel. We are passionate about meeting your needs and will continue to deliver on our promise to lead the industry in quality, service and innovation.

Grades

- 303
- 304/304L
- 316/316L
- 321
- 310/253MA
- 409L
- 431
- 1.4003
- T4003
- 2101
- 2205
- 2507

Products and services

- Coil/Sheet/Plate
- Bar
- Pipe/Tube
- Buttweld/BSP/NPT fittings
- Plate/Forged flanges
- Hygienic tube fittings
- Valves
- Plasma cutting up to 80mm

Office / Warehouse locations

<i>Coil Centre</i>	<i>P</i> (07) 3382 9500	<i>F</i> (07) 3807 8150	headoffice@midwaymetals.com.au
<i>Albury</i>	<i>P</i> (02) 6041 4000	<i>F</i> (02) 6041 4422	albury@midwaymetals.com.au
<i>Brisbane</i>	<i>P</i> (07) 3287 2811	<i>F</i> (07) 3807 2687	brisbane@midwaymetals.com.au
<i>Melbourne</i>	<i>P</i> (03) 9791 5111	<i>F</i> (03) 9791 5333	melbourne@midwaymetals.com.au
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