

NEWS!

Surdex Offers the Most Accurate Plasma Bevel Cutting in the Industry



Expert Motion Plasma Variable Bevel Angle System

Surdex Plate Processing uses the *Expert Motion Plasma Variable Bevel Angle System* to accurately bevel cut plate. The system is fully programmable to produce parts that have both bevel and straight cuts. A single plasma torch is controlled via servo motors in three axes: tilt, rotation and vertical height. Surdex's equipment allows unequalled control of bevel cutting with parameters such as speed, kerf and tilt angle all automatically adjusted for various material thicknesses and bevel angles.

Plasma bevel cutting is suitable for material between 8mm and 32mm thick with both straight and bevel cuts on the same part. The head can be programmed to change bevel angle on the fly and rotation is automatically

controlled so the head is always perpendicular to the direction of travel.

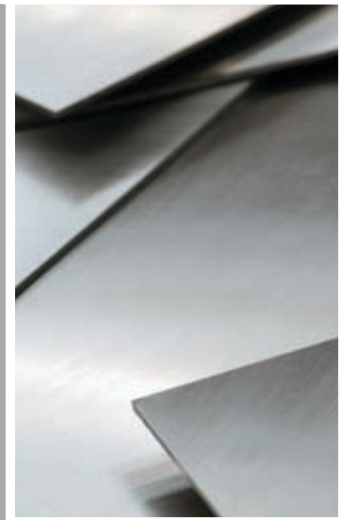
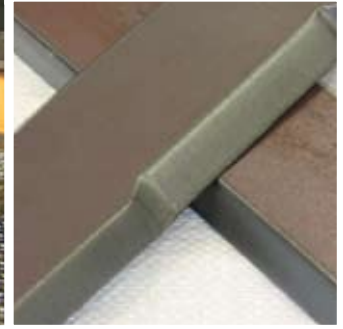
Our customers tell us that our bevelling is the best in the industry. Our quality assurance accreditation to ISO9001 guarantees you that every order will be executed correctly and on time.

Our experienced and motivated staff will ensure that all your requirements are fulfilled with commitment, flexibility and excellent service.

Our large stocks in Melbourne, at our branch network and in our *Central Stock* enable us to give you excellent availability of the full range of plate.

1 300 SSTEEL
www.surdexsteel.com.au

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First for Steel



CAPACITY

Bevelling Angle	From -45° to $+45^{\circ}$
Bevelling "on-the-fly"	Interpolates bevel angle changes
Combination Bevels	Material up to 32mm thick
Multi-pass Bevelling (depending on part and bevel geometry)	"K", "X" and "Y"
Maximum Material Thickness at 45 degrees	32mm
Maximum Vertical Cutting Thickness	38mm
Angle Setting Accuracy	$\pm 1^{\circ}$
Torch Height Control Accuracy	$\pm 0.30\text{mm}$

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