

EDGE PROCESSING PERFECTION

More efficient production processes made easy.



Fact sheet on shape cutting and edge processing | 08/2021

EDGE PROCESSING TO CUSTOMER SPECIFICATION

A perfect weld seam requires perfect preparation with a bevel that is optimally adapted to meet the requirements. The shape-cutting facility of the voestalpine Steel & Service Center meets customer specifications with the most modern production units and a wide range of processes. Flame cutting of highly complex and very thick shapes is one of our specialties.

The result is more efficient production processes at the customer site, where employees can concentrate on their expertise. Your qualified personnel will never have to cut bevels themselves by hand or with less suitable equipment. Cut shapes with a prepared weld seam are a great advantage, especially when you are working with high-strength and wear-resistant steels.

Benefits at a glance:

- » Bevels in all thicknesses and shapes
- » Executed in large-scale production facilities
- » High precision
- » Reduced lead times
- » Everything from a single source, one worry less

Shape cutting with high-precision bevels



RELIABILITY



CUSTOMIZATION



HIGH LEVEL OF QUALITY

MOST MODERN PLANTS

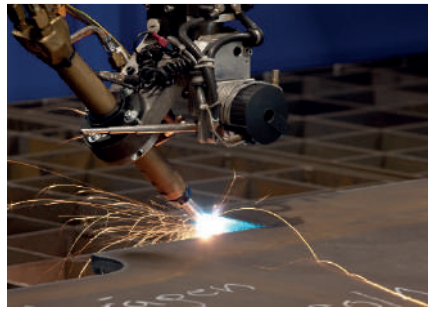
Our shape-cutting facility is equipped with an extensive range of the latest generation of machinery.



PLASMA

Cutting and beveling in one operation in a unit equipped with a 3D cutting head.

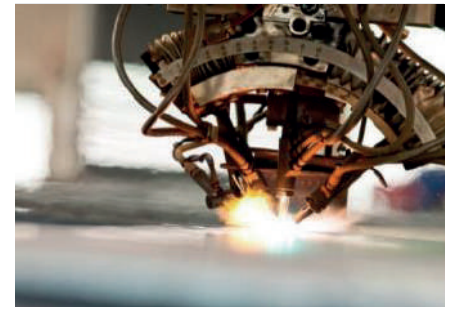
- » Large cutting range
- » Cutting and edge processing in a single step
- » Continuous bevel angle adjustment



CHAMFERING ROBOT

Maximum degree of freedom in design. Even complex parts can be beveled from below.

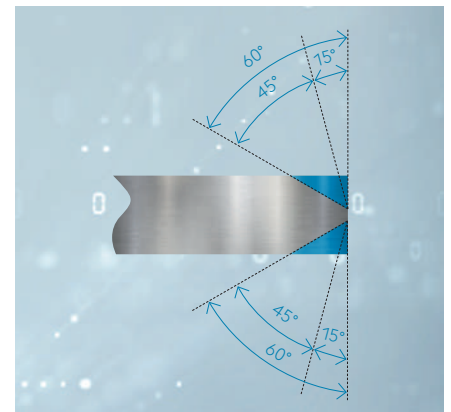
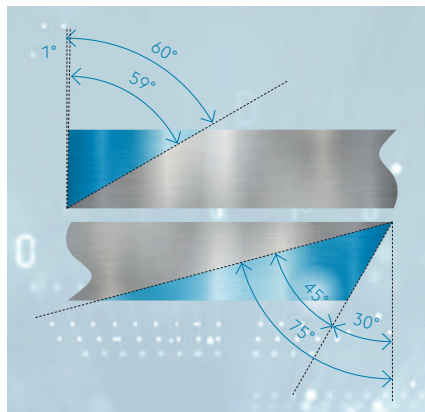
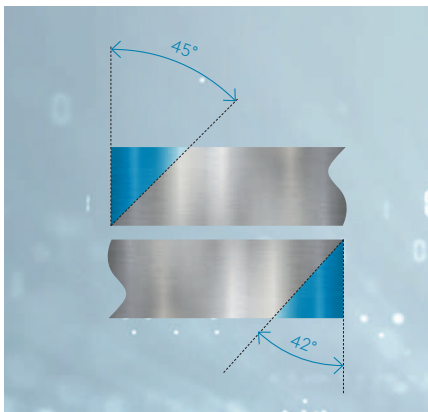
- » Less waste material
- » High-precision cutting in inner contours and corners
- » Continuous bevel angle adjustment



THREE-TORCH CUTTING

Effective and process-reliable edge processing by means of a three-torch system.

- » Upper and lower bevel angles possible in a single work step
- » Maximum cutting range



	Plasma	Chamfering robot	Three-torch cutting
Bevels	V, X, Y	V, X, Y, K	V, X, Y, K
Bevel heads	3	1	2
Angle range	0° – 45° upper bevel 0° – 42° lower bevel	1° – 60° upper bevel 30° – 75° lower bevel	15° – 60° in 0,5° increments
Cutting zone	6.150 x 27.000 mm	2.000 x 8.000 mm	8.350 x 27.000 mm
Thickness	8 – 25 mm	10 – 120 mm	8 – 100 mm

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voestalpine Steel & Service Center GmbH
voestalpine-Straße 3
4020 Linz, Austria
ssc@voestalpine.com
www.voestalpine.com/ssc

voestalpine
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