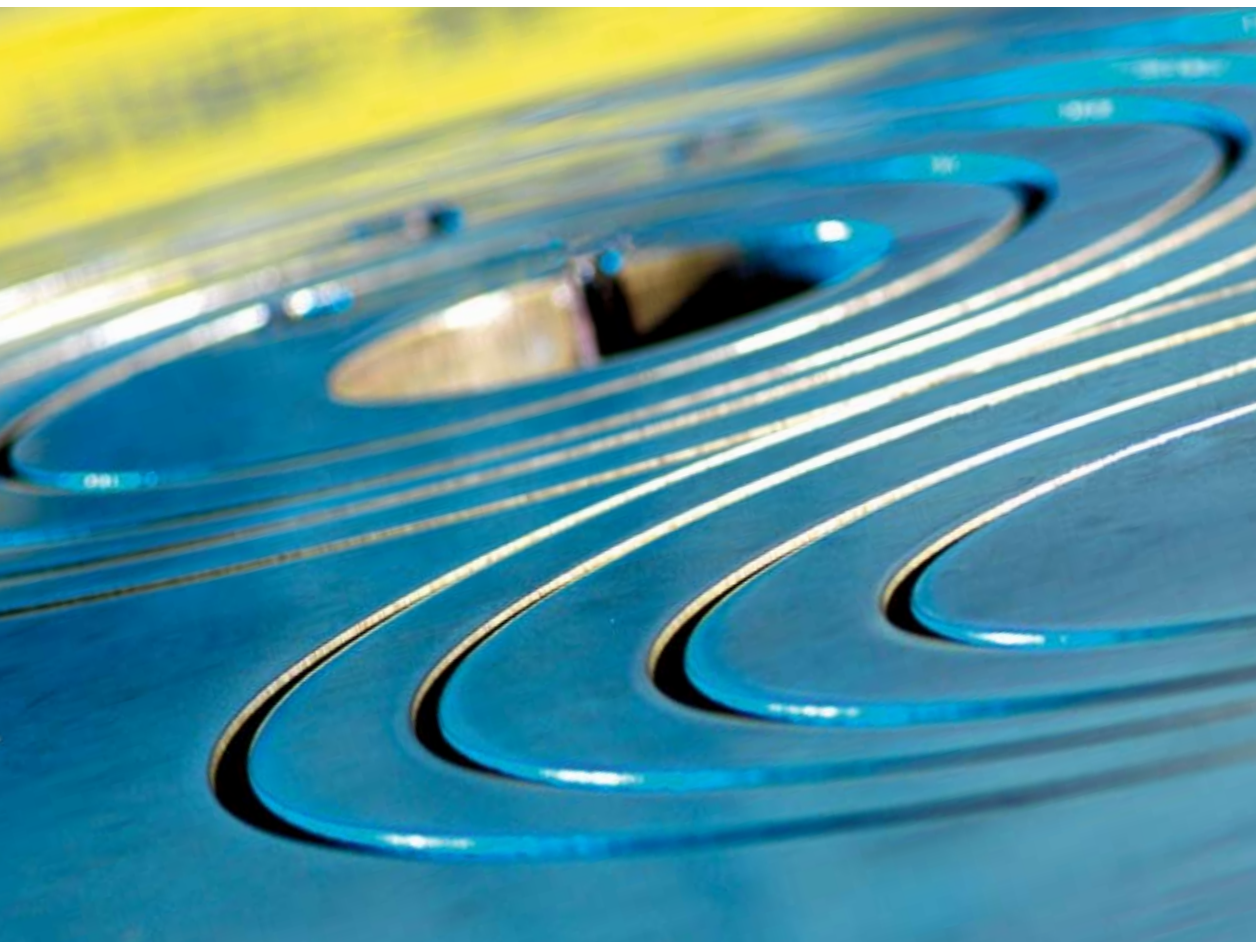




SUPRAREX SXE BIG. **Simply great performance.**

MORE POWER. **MORE** FUNCTION.
MORE AUTOMATION WHEN CUTTING.





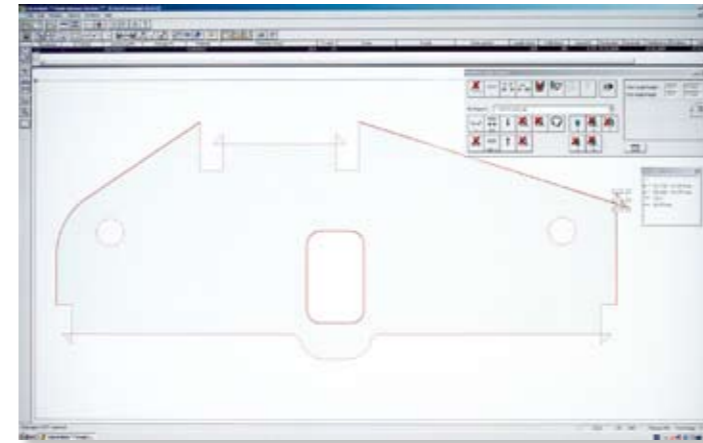
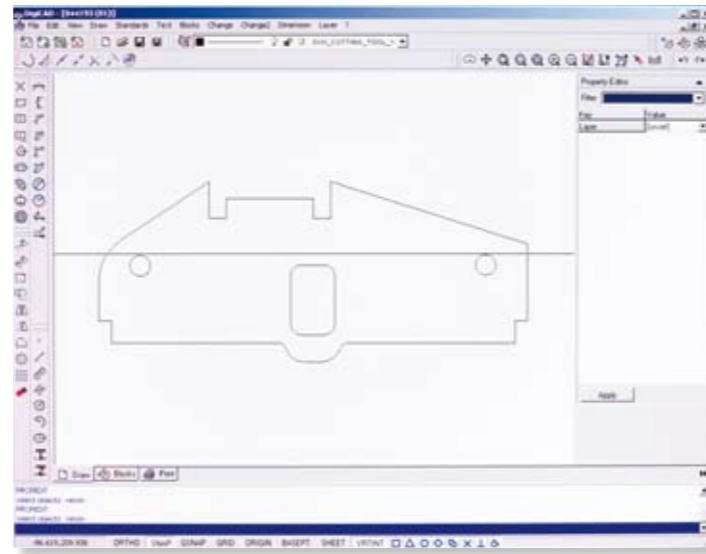
THE SUPRAREX SXE BIG. A new dimension of productivity.

When it comes to truly great performance, the ESAB SUPRAREX SXE BIG gantry cutting machine plays a leading role. As a consistent further development of the SUPRAREX family, it unites internationally recognised technology and innovative ideas in a machine concept which opens up entirely new possi-

bilities for you. Cut maximum sizes and more parts in shorter times, use the technology of automatic weld bevel preparation and benefit from the advantages of intelligent and automated production. The SUPRAREX SXE BIG will also achieve great things for you, again and again.

Bevel cutting is now automatically really easy.

Thanks to COLUMBUS programming software, the VISION 55 numerical control and the VBA-Expert Pro automatic rotating bevel tool, the SUPRAREX SXE BIG is superbly equipped for rational, swift and precise plasma bevel cutting. The automatic process largely dispenses with manual tasks and guarantees consistent quality of results. Only ESAB offers you this innovative technology entirely from a single source.

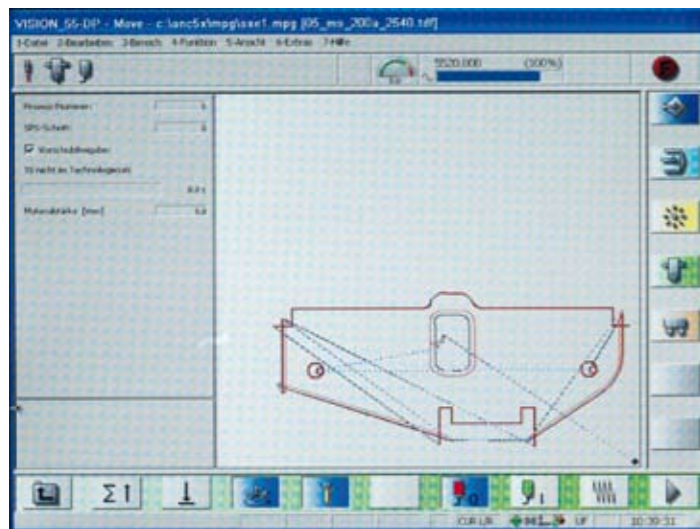


Automatic plasma bevel cutting

1 | The CAD drawing of a part forms the start of the processing chain

2 | The part is then processed in COLUMBUS

3 | An exact 3-D view is generated



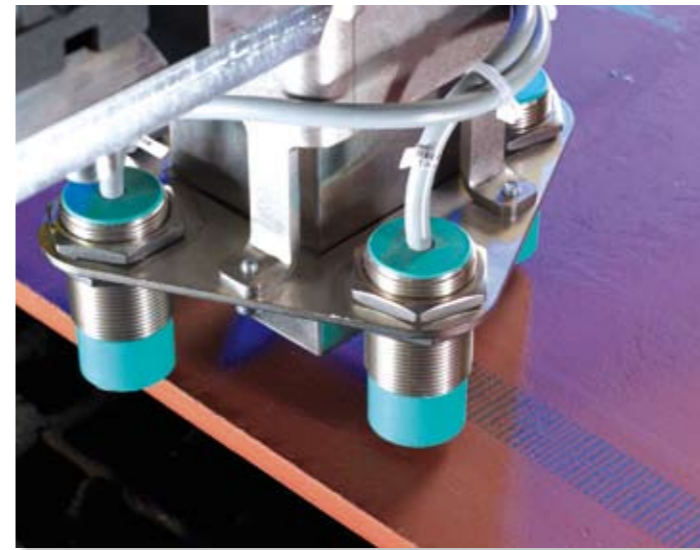
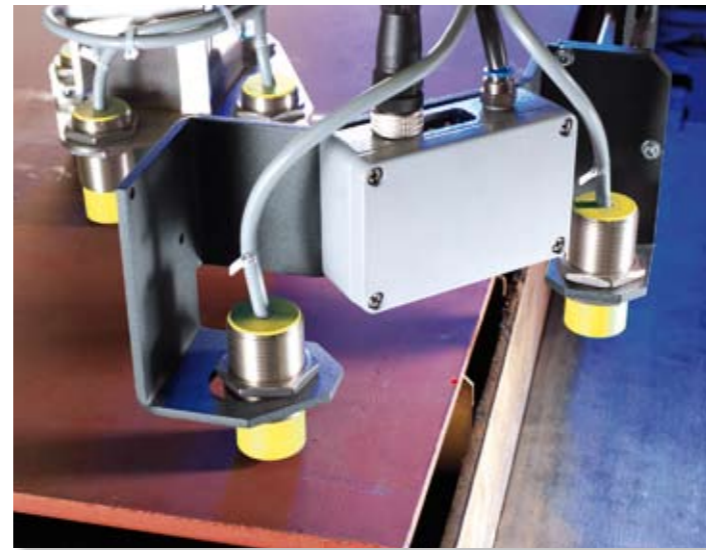
4 | The part programme is transferred to the VISION 55 control and automatically supplemented using sub-routines for bevel cutting

5 | Automatic settings of process parameters for the machine and plasma via TDF files

6 | Comprehensive presentation of the required consumables



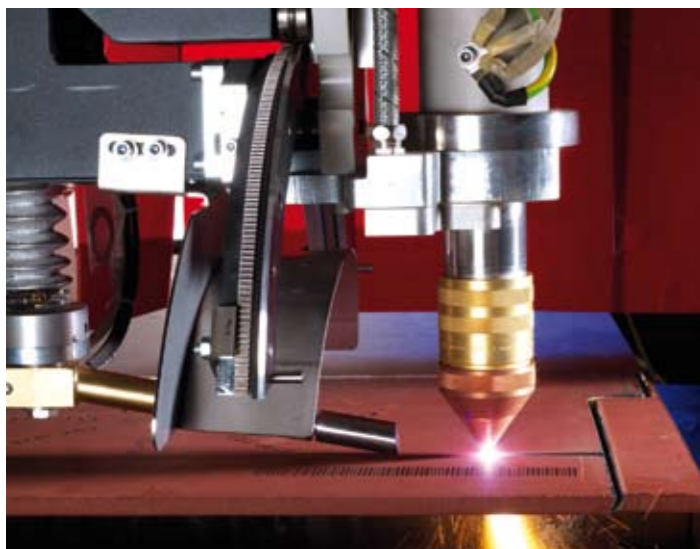
Part processing on the machine.



7 | Automatic plate alignment ensures precise torch positioning

8 | Ink marking for barcode and labelling

9 | Plasma marking without changing tools or consumables



10 | Vertical cut at high speed to material thicknesses of up to 40 mm

11 | Bevel cut in an angle range of +/- 45° to a material thickness of 30 mm on all geometries

12 | The production component is finished

The SUPRAREX SXE BIG combines cutting and marking to become an interconnected production process which is individually extensible as required. From energy supply through environmental technology to automatic handling equipment, everything is supplied by ESAB and everything corresponds with our internationally recognised high quality levels.



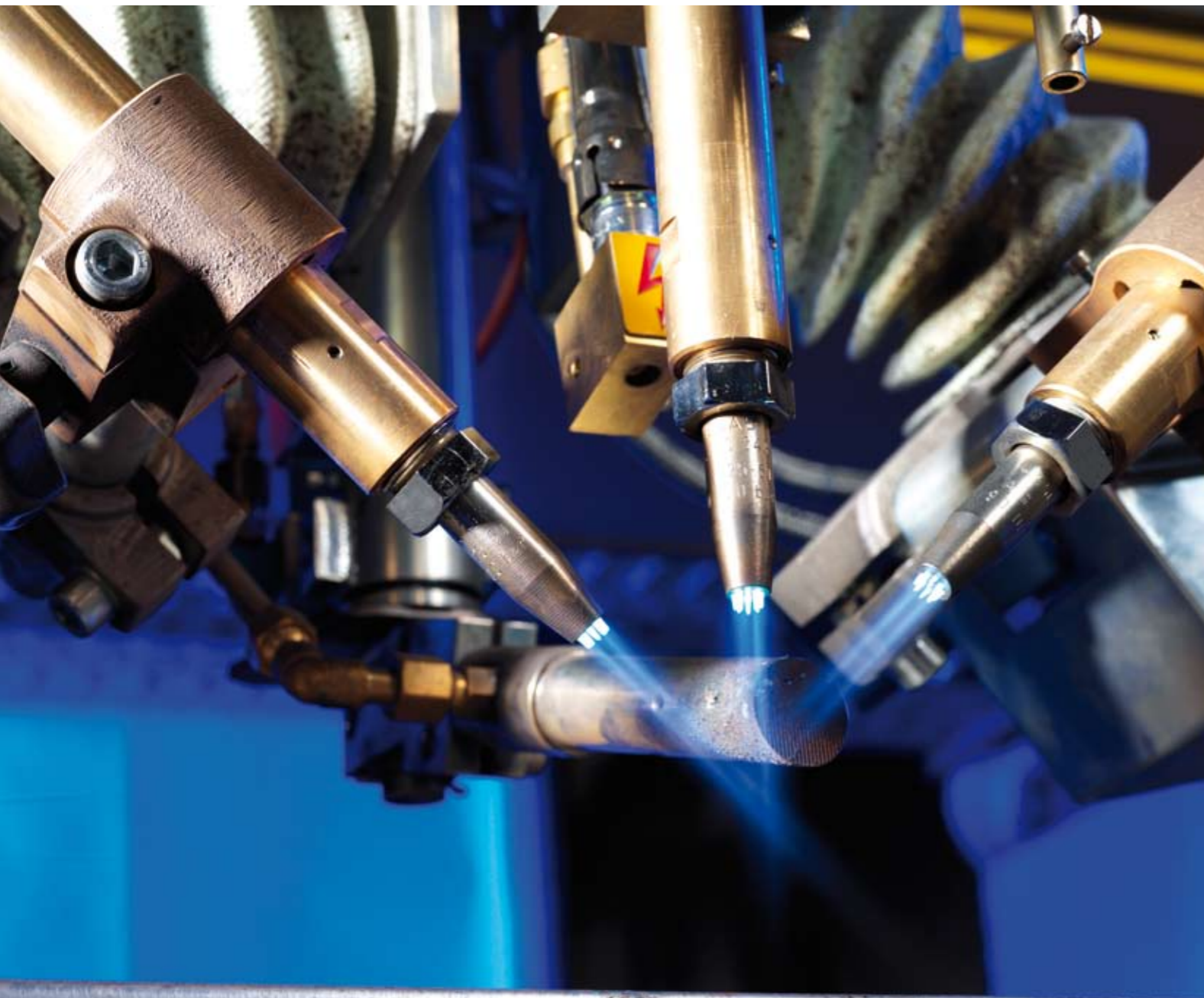
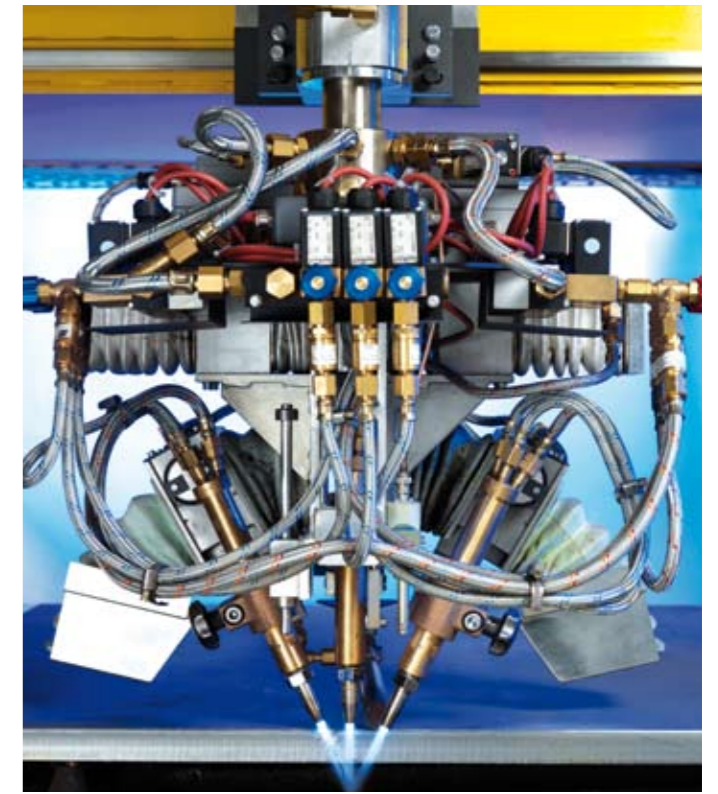
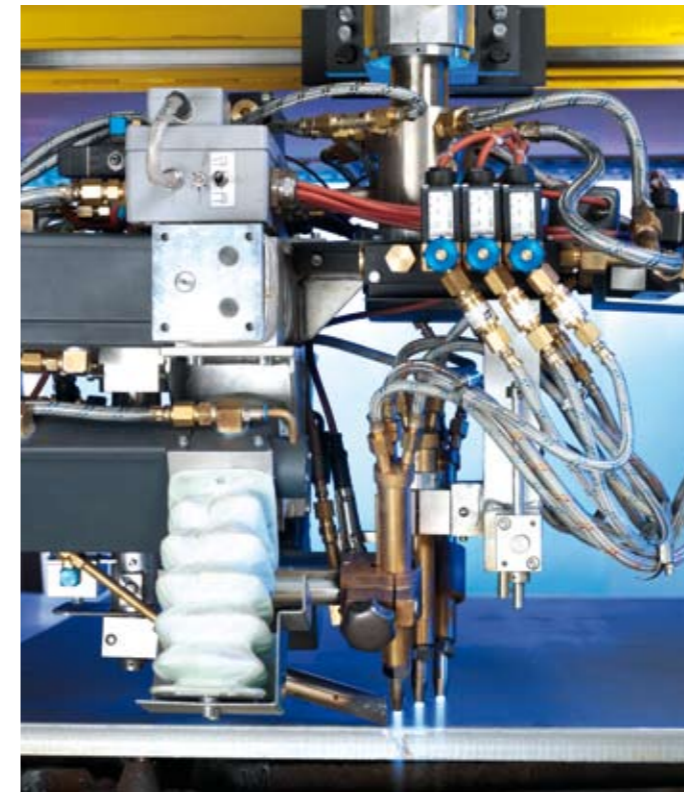


SUPRAREX SXE BIG.

To ensure that you have full control of **all processes.**

Automatic cutting of weld edges and machined preparation of weld bevels does not present a problem for the SUPRAREX SXE BIG in the oxyfuel process either. Easily and swiftly, you can use the infinitely rotating VBA-IR* three-torch head for the oxyfuel

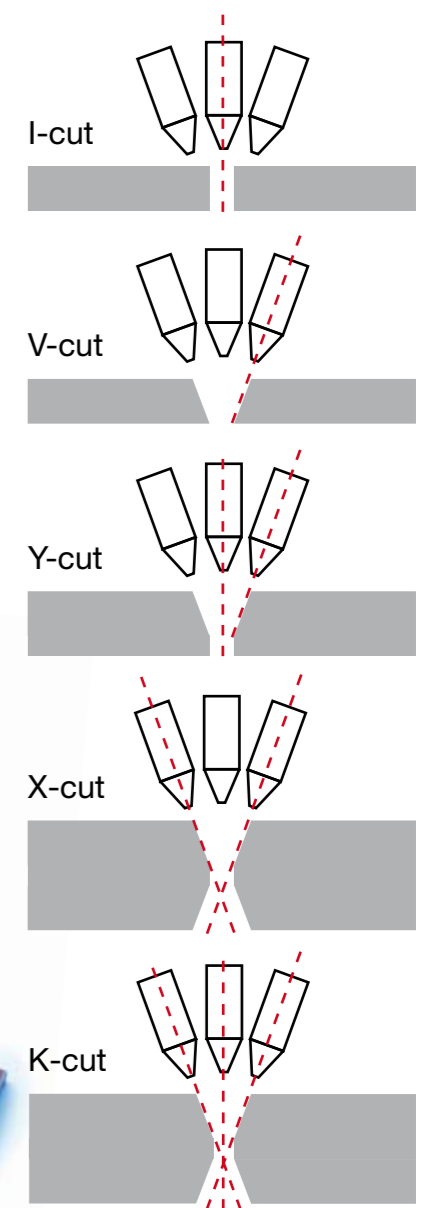
process to manufacture individual or combined I, V, Y, X and K-bevels even on shapes. You can choose between manual angle adjustment and a model with controlled CNC lateral angle adjustment even during cutting.



Preparing weld edges has never been this easy.

Automatic height control adapts the VBA*-IR* three-torch head to any surface irregularities while ensuring optimum tracking and bevel precision. Thanks to the high degree of automation of the entire process, complicated curve or interior cuts are successful first time round.

The SUPRAREX SXE BIG from ESAB: performance down to the last detail.



* VBA = Variable Bevel Angle
* IR = Infinite Rotation



SUPRAREX SXE BIG.

Less effort, more cutting capacity.

With two motor carriages arranged in transverse direction (Y1+Y2), the SUPRAREX SXE BIG enables you to machine two plates at the same time and in a single process. The machine with oxyfuel or plasma torches takes care of both congruent and

mirror-image cutting – automatically, swiftly and precisely. You can also use the SUPRAREX SXE BIG to easily double your results and multiply efficiency when marking and labelling.

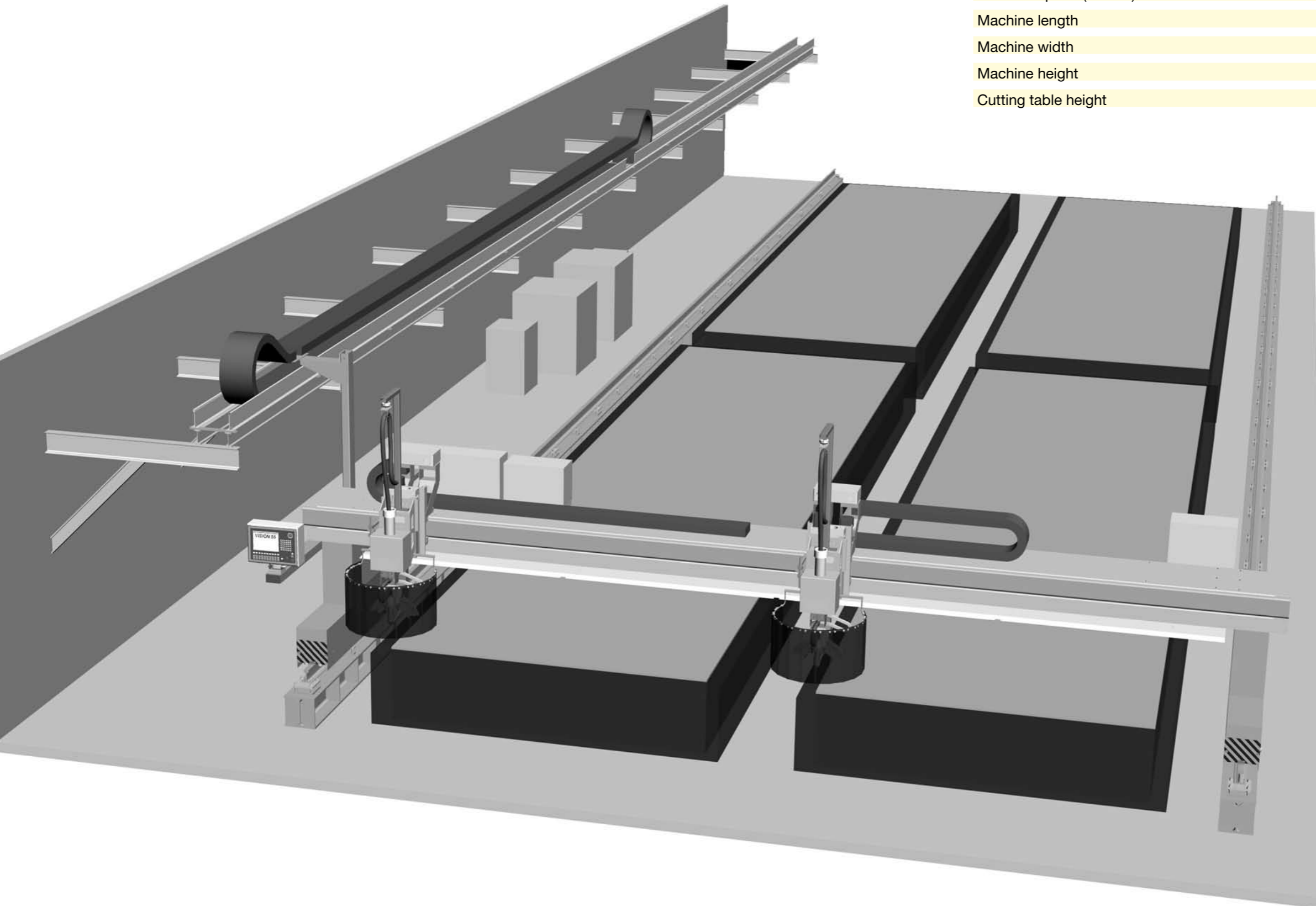
Data and facts about the SUPRAREX SXE.

Technical Summary SUPRAREX SXE

Track width	7,000 – 8,500 mm
Cutting processes	Plasma and oxyfuel
Plasma cutting thickness	according to plasma generator
Single-torch plasma cutting equipment	1 – 4 torches
Single-torch plasma bevel cutting equipment	1 – 2 torches
Oxyfuel cutting thickness	up to 200 mm as standard
Single-torch oxyfuel cutting equipment	1 – 12 torches
Machine speed (m/min.)	24/40 m
Machine length	2,000 mm
Machine width	7,650 – 9,150 mm
Machine height	2,000 mm
Cutting table height	700 mm

Other possible processes and combinations:

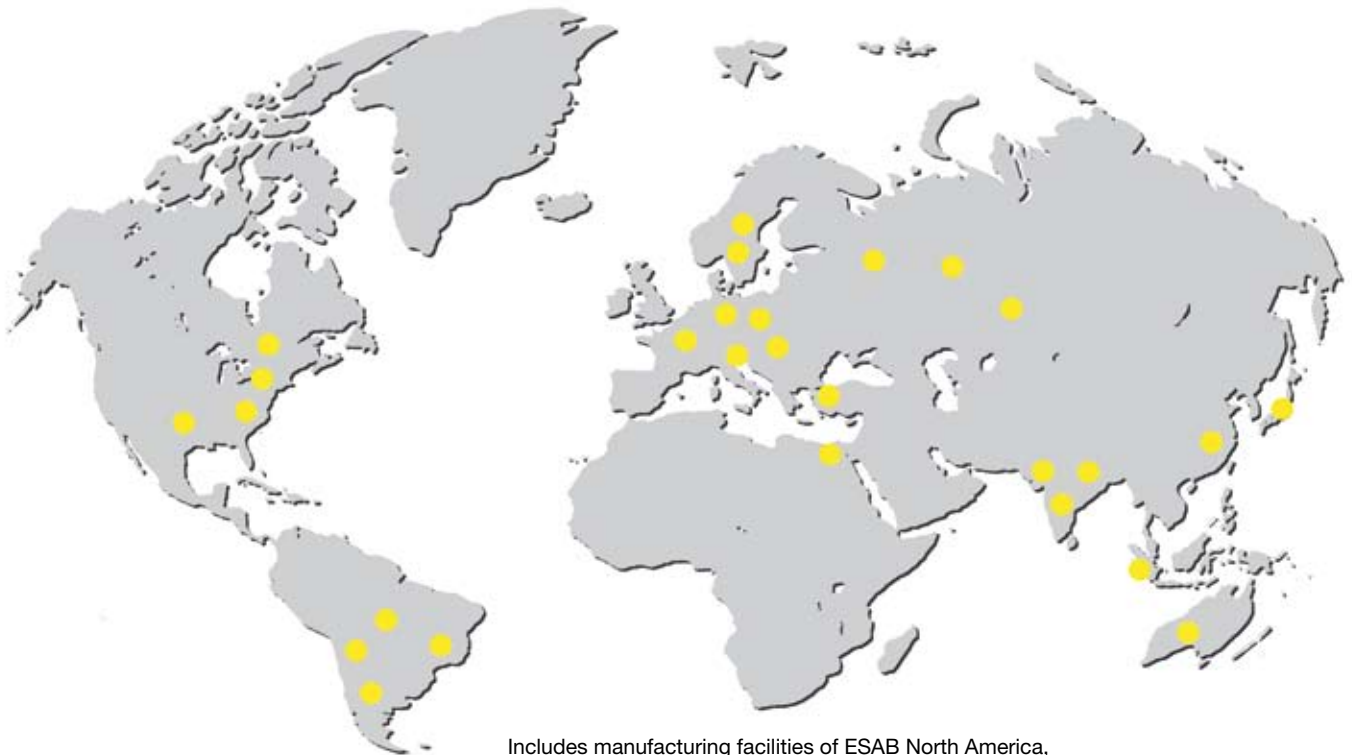
- Combined plasma and oxyfuel cutting
- Weld preparation with plasma
- Weld preparation with oxyfuel cutting
- Grid cutting
- Marking and labeling



ESAB. Your partner in welding and cutting.



Seven decades of experience and the consistent focus on the needs of our customers are the foundations for the successful and comprehensive product range of our cutting machines. In keeping with the thermal cutting processes – plasma cutting, oxyfuel cutting and laser cutting – ESAB has developed a range of machines that efficiently combine the highest cut quality with high cutting speeds, allowing intelligent integration into automated production processes. So in many sectors, the SUPRAREX SXE machine series also helps to optimize production and increase the operating efficiency of our customers.



Includes manufacturing facilities of ESAB North America, a wholly owned subsidiary of Anderson Group Inc.



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