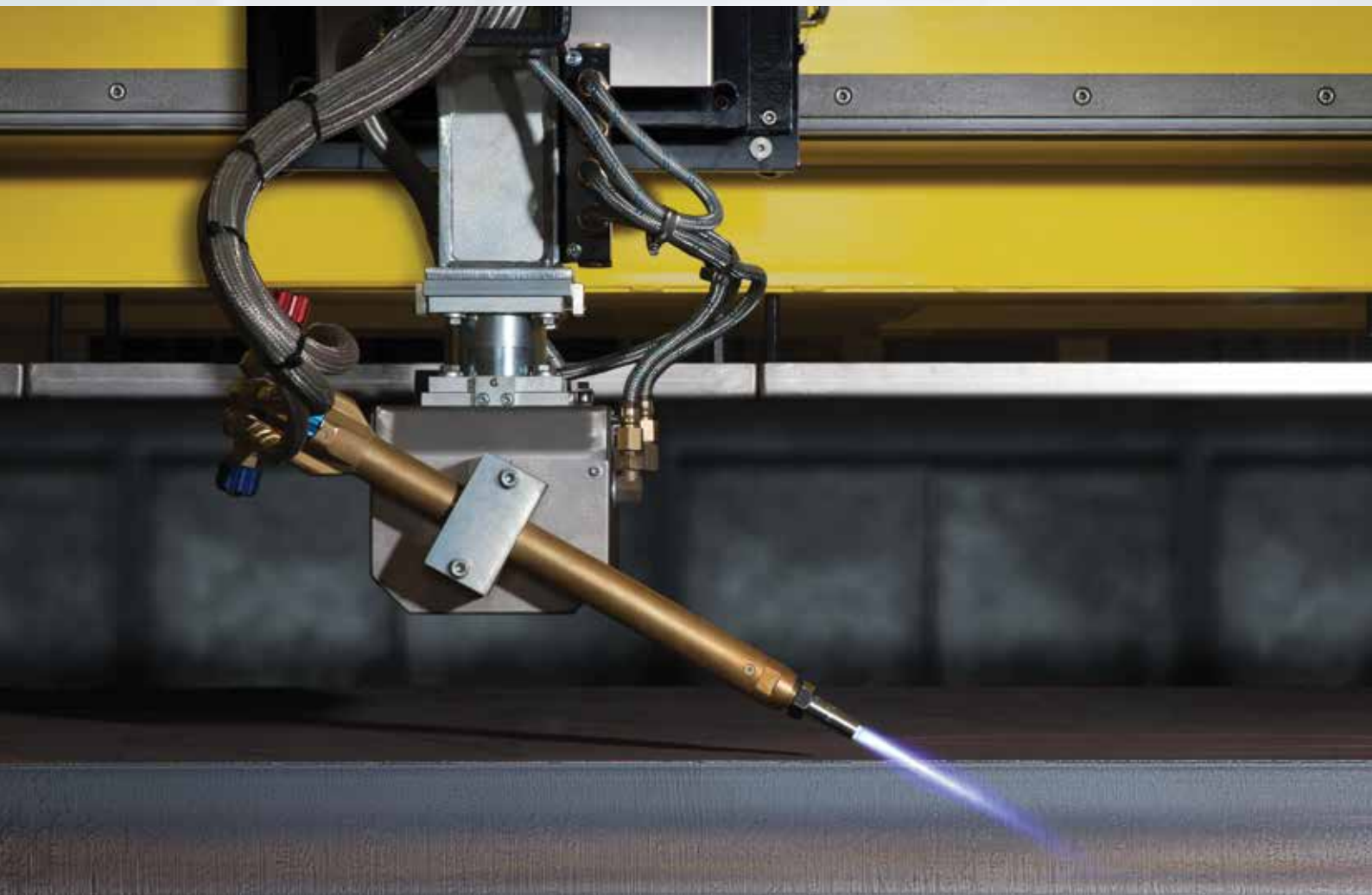




# BEVEL EXCAVATOR™



The ultimate oxy-fuel bevel system  
**for complex cuts and thick materials.**

# ALWAYS UP TO THE CHALLENGE.

Extreme specifications call for an extraordinary cutting solution. Enter the Bevel Excavator—designed specifically for demanding bevel cuts and thick materials, up to 200 mm. Combining 5-axis bevel motion, a heat-resistant design, and complete process integration, the Bevel Excavator not only delivers perfect cuts for intricate workpieces, but also reduces work time and costs up to 70% compared to conventional, manual processes.

**Ideal oxy-fuel  
bevel system  
for thick plate**

**Precision cutting  
of complicated  
bevels**

**Durable,  
reliable system**

## Industry-leading motion technology.

Featuring a supremely accurate 5-axis motion system, the Bevel Excavator produces bevel shapes that typical rotating systems cannot achieve. The torch automatically adapts to changing contours while maintaining the proper angle. Plus, the system is ruggedly designed to withstand the high heat and dust generated by oxy-fuel cutting.

Features:

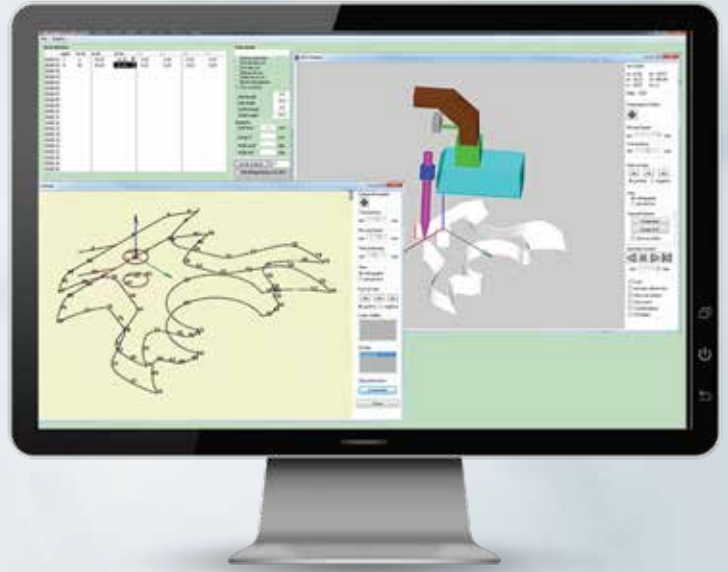
- Low-maintenance mechanical assembly
- Automatic height control with laser sensor
- Innovative torch collision protection
- Advanced shielding, cooling, and sealing systems



## Optimised software for optimal results.

The Bevel Excavator is powered by ESAB's sophisticated yet easy-to-use software. All complex geometrical shapes are constructed on screen based on a CAD construction. In just a few simple steps, the programmer can visualise the workpiece in 3D for quality assurance, confirm the exact tool path, and generate the part program.

- Rapid import of DXF files
- Intelligent algorithms save time and effort
- Quick, easy selection of edges and bevels
- NC program optimised for Vision CNC



## SPECIFICATIONS.

<b>Torch angle range</b>	+/-60°
<b>Head rotation range</b>	+/-540°
<b>Collision Protection</b>	Spring-loaded torch mount
<b>Height Control</b>	Laser sensor measures and records plate surface
<b>Z-Axis Stroke</b>	250 mm standard, 350 mm optional
<b>Maximum material thickness</b>	200 mm
<b>Maximum cutting thickness</b>	400 mm



# UNRIVALED SERVICE AND SUPPORT.

Like all ESAB products, the Bevel Excavator is backed by our commitment to superior customer service and support. Our skilled customer service department is prepared to quickly answer any questions, address problems, and help with the maintenance and upgrading of your ESAB equipment and software. We offer:

- Value packages, including machine and process audits to maximise your investment
- Proactive preventive maintenance programs and maintenance contracts to keep your equipment and software up and running
- ESAB plasma consumables for the perfect cut
- Specialised repair services
- Retrofit upgrade products and packages for the latest in machine, control, and software technology
- Complete product and process training, including advanced training programs

And, our products are backed with the most comprehensive warranty in the business. With ESAB, you can be confident that the product you purchased will meet your needs today and in the future. Ask your ESAB sales representative or distributor for a complete ESAB solution.

**For more information, visit [esab-cutting.com](http://esab-cutting.com).**



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