

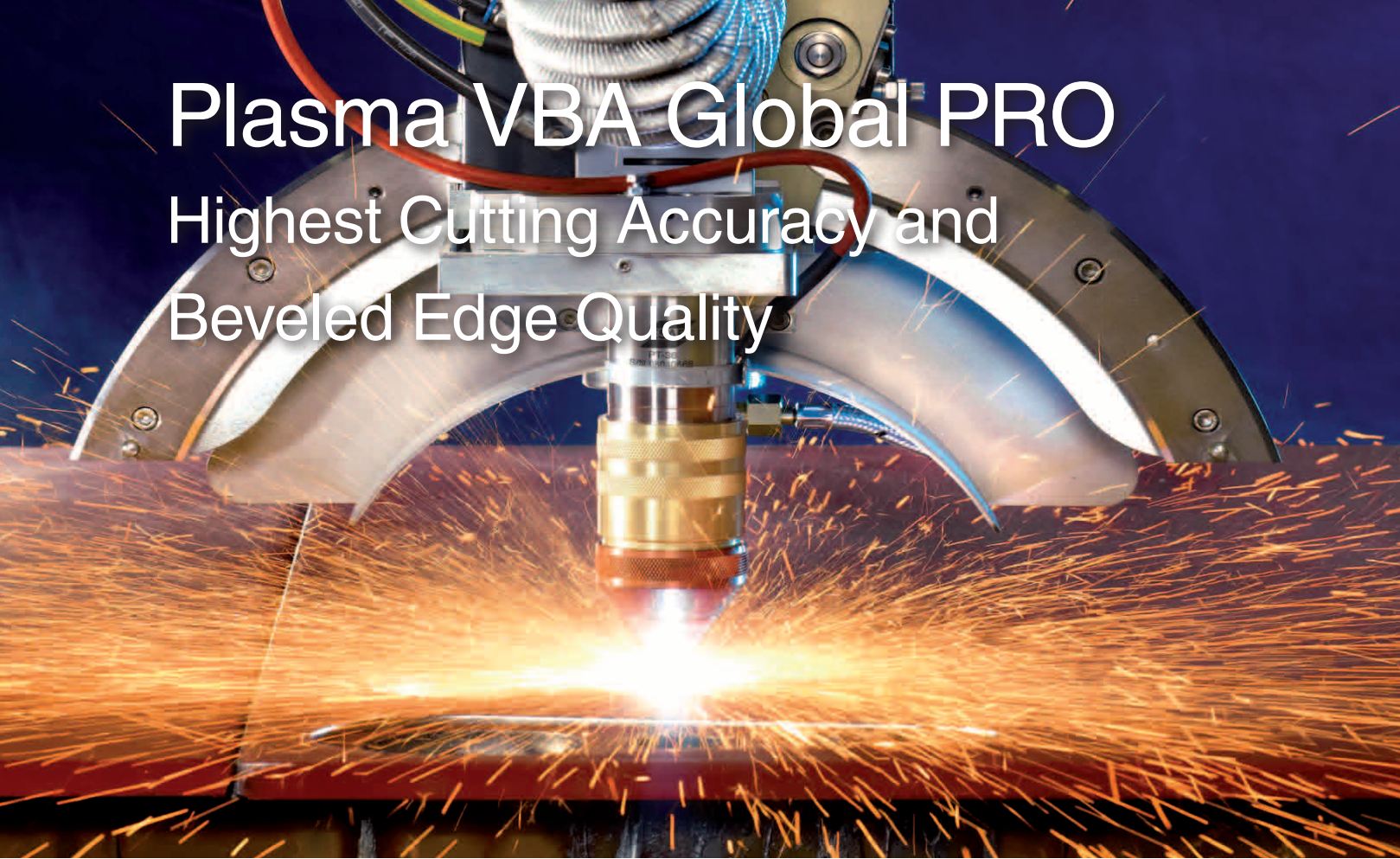
ESAB Plasma VBA Global PRO

PRECISION PLASMA BEVEL CUTTING
ACCURATE, RELIABLE PERFORMANCE



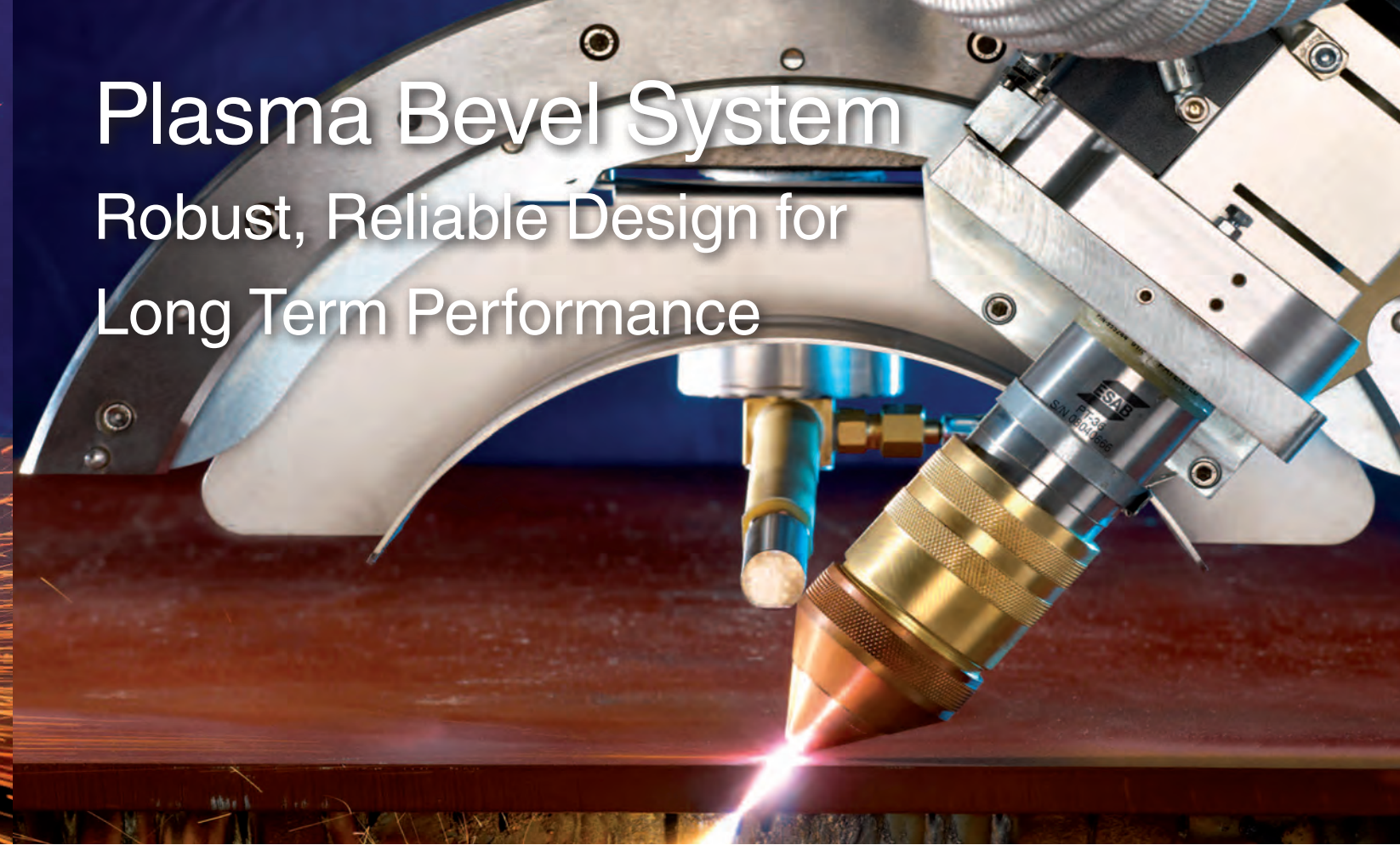
Plasma VBA Global PRO

Highest Cutting Accuracy and Beveled Edge Quality



Plasma Bevel System

Robust, Reliable Design for Long Term Performance



Outstanding weld edge preparation with the industry's most accurate system.

Global PRO Bevel accuracy ensured by precise tactile plate sensing and Precision Plasmarc™ cut edge quality.

The Global PRO Variable Bevel Angle System is used to accurately plasma weld edge preparation cut plate, and is fully programmable to cut parts with both bevel and straight cuts. The system automatically switches between high accuracy tactile sensing and Smart Voltage Height Control to provide the most accurate plasma cutting, and fully program controlled, multi-part, bevel and straight cutting. The integration of ESAB's

m³ Plasma System, Vision CNC, and bevel systems allows unequalled control of bevel cutting. All bevel compensations are handled by the Vision CNC, so bevel programming is simplified and accuracy is fine-tuned.

- Compact bevel system adds plasma bevel capability to all Avenger class gantries.
- Tactile sensor - provides the only system capable of precisely maintaining torch height relative to the plate surface.
- ESAB's PT-36 Plasma Torch delivers the highest accuracy cutting and increased consumable life.
- Dual-mode initial height sensing uses pneumatically balanced tool-tip sensing and electrical plate sensor for accurate, light-touch plate sensing.
- Encoder equipped Z-axis lifter precisely controls the initial height and enables Smart Voltage Height Control.
- Capable of high quality hole cutting with Precision Hole Technology™ when vertical cutting.



Plasma bevel cutting, under water with VBA Global PRO

Reliable productivity from a well protected, robust mechanical system.

Precision machining and careful design form a durable bevel system for high production environments.



- Straight cutting with Smart Voltage Height Control
- Bevel cutting with Tactile Sensor or Arc Voltage
- Bevel cutting with Arc Voltage Sample & Hold
- Variable bevel on-the-fly
- "X", "V", "Y", and "K" bevel cutting*
- +/- 45 degree maximum achievable cut angle

- +/- 540 degree automatic rotation
- Up to 450 Amp oxygen plasma allows bevel cutting of carbon steel up to 32 mm thick up to 45 degrees.
- Torch height is controlled within 0.30mm of the plate surface regardless of torch cutting speed or thickness.

* Depending on plate thickness and bevel geometry. An appropriate post processor is required to support multi-pass beveling.

Reliable Quality

- Simple, reliable protractor based design automatically puts the torch tip at the focal point of tilt and rotation.
- Magnetic breakaways protect torch and tactile sensor.
- Split-gear zero backlash feedback system for accurate rotation control.
- High cutting speeds and outstanding cut quality with latest nozzle technology.
- Heavy-duty vertical lifter with dual-linear rails and oversized ball-screw.
- Digital AC amplifiers and brushless motors for both Z-axis and rotation drives.

ESAB Cutting Systems

Productivity - Service - Reliability



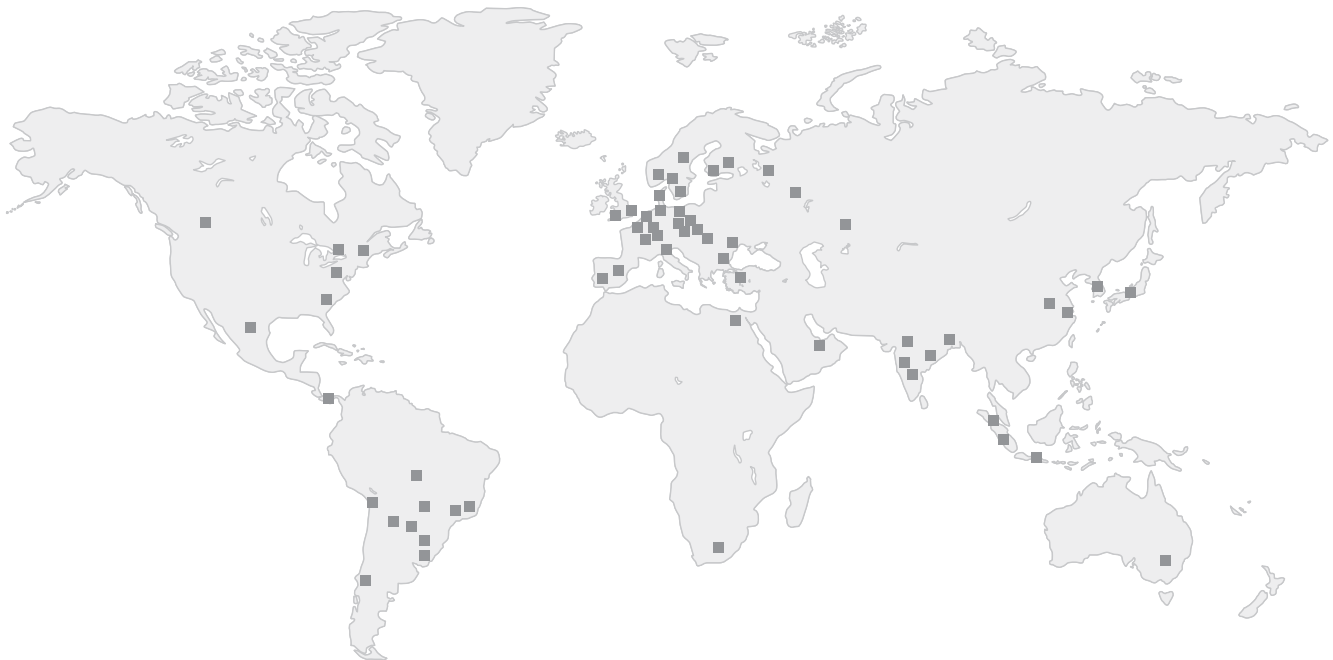
For ESAB, simply selling the machine is not enough. When you invested in an ESAB machine you invested in a long term partnership of success.

Creating economical packages to extend the life of your existing cutting equipment is just one way that ESAB delivers on that investment. Whether it's

improving your plasma capability or extending the life of your CNC, ESAB has the solution that will fit your needs.

Give us a call or send us an e-mail and let ESAB evaluate your needs and recommend the best solutions to improve your cutting operations.

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