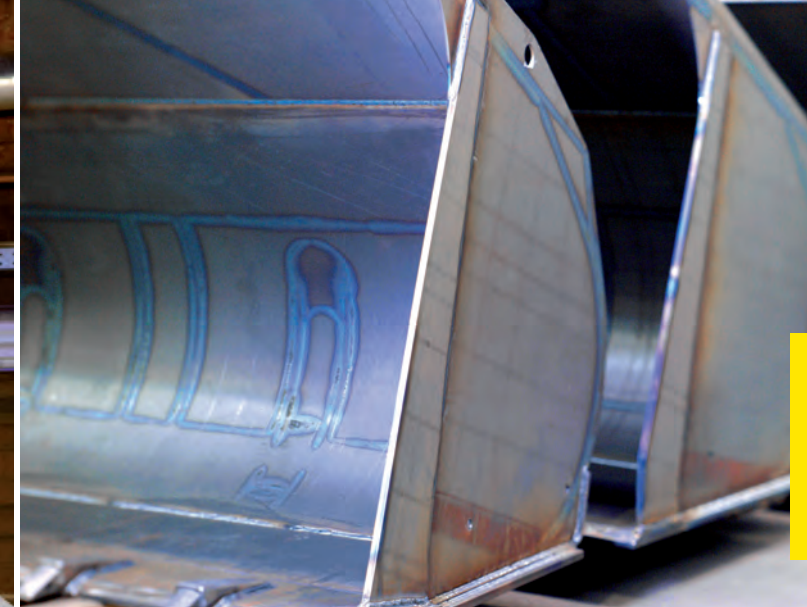


SUPRAREX™ HD

Process safety- Innovation

INDIVIDUALLY CUSTOMISABLE. UNIVERSAL CUTTING
SYSTEM. OFFERING OPTIMAL AUTOMATION.





SUPRAREX™ HD

An intelligent investment into the future of automated cutting.

High-end future-oriented technology

Our new gantry cutting machine doesn't just cut extremely well, but is a highly innovative system. It has been specifically designed to meet our customers' needs and is the

culmination of ESABs' extensive experience and technical expertise in the design and manufacture of high-end cutting systems. The SUPRAREX™ HD is an intelligent investment into the future and ideal for integrated, automated production processes.

Complex operations made simple

SUPRAREX™ HD turns complex and highly individual cutting requirements into simple commands, which significantly cuts down on your workload. In doing so, it creates

an ideal basis for fully integrated production processes and allows you to produce your products faster, more cost effectively and with less manpower. This is because the SUPRAREX™ HD's components have been designed to work together perfectly. I.e. the SUPRAREX™ HD

is a fully integrated system in which everything - from the energy supply system to the latest plasma technology - has been carefully designed to work together to make even the most complex of operations simple.



SUPRAREX™ HD

Benefit from the latest generation of our plasma technology.

The new Plasma VBA Global Pro - offering unparalleled flexibility

The Plasma VBA Global Pro - our new bevel cutting system - comes with an outstanding range of features and can be used for cutting

vertically, on dry tables, under water and is suitable for water injection cutting. It can also be used with ESAB's Precision Hole Technology™ to cut small holes* and in conjunction with a plasma torch, such as the PT-36.

* vertical cuts only

Outstanding levels of precision across all operations

The Plasma VBA Global Pro features an innovative positioning system that ensures that all cuts are always highly reproducible, while the initial height sensor ensures that this height is

maintained irrespective of cutting speed. The Plasma VBA Global Pro also automatically compensates for process-related deviations, which means that there is no need for manual intervention.

The Plasma VBA Global PRO can be used to achieve cut part bevels at up to ± 45 degrees.



Intelligent safety technology

The SUPRAREX™ HD's innovative safety technology has been adapted to the machine's different operating modes such as automatic cutting, hole cutting and service operation.

SUPRAREX™ HD

Reliable and safe.

Assured quality

The SUPRAREX™ HD comes with a wide range of innovative safety features that are continually further enhanced and provide an optimal level of safety during operation. The SUPRAREX™ HD also complies with the EC Machinery Directive regula-

tions and satisfies all other relevant standards. However, we at ESAB are known for taking things even further than that, and in order to minimise any impact on your productivity, all of the SUPRAREX™ HD's safety equipment has been carefully designed to fit in with your on-going production processes.

For example: The mobile light curtain on the SUPRAREX™ HD has been designed in such a way that will not be triggered by any sparks that are produced during hole cutting, which means that production can continue uninterrupted without affecting operator safety.

Total process reliability thanks to optimally matched components

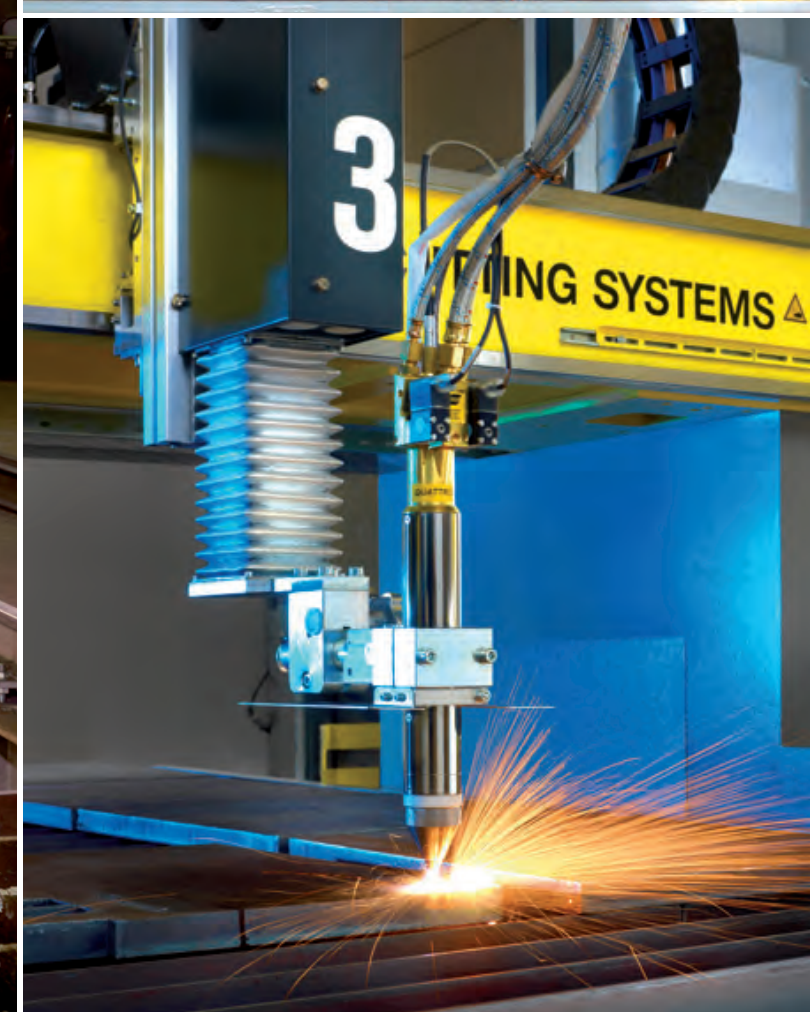
The SUPRAREX™ HD is a complete solution that is designed to take care of all of your cutting needs and whose individual components have been

carefully matched to one another and work together perfectly. Highly advanced, the SUPRAREX™ HD features all of the latest thermal cutting technologies and is equipped with a numeric VISION™ T5 control system, the innovative COLUMBUS™ III programming system, and supported

by ESAB Cloud, Live View and ESABs Precision Hole Technology™, which is a sure guarantee that it will deliver - no matter what your future cutting needs.



SUPRAREX™ HD



SUPRAREX™ HD

Staying flexible.

With plasma or oxy-fuel - or a combination of both

The SUPRAREX™ HD can be operated with up to 4 plasma or up to 6 oxy-fuel torches or a combination of both.

When fitted with oxy-fuel torches, the SUPRAREX™ HD can cut materials with a thickness of up to 200 mm as standard.

If fitting it with plasma torches, simply select a system that will meet your current requirements and then

upgrade it later as and when needed. Even using just a single torch will enable you to benefit from all of the SUPRAREX™ HD's advanced plasma cutting features. For single torches, we recommend our new Plasma VBA Global Pro, which delivers a unique level of flexibility for bevel cutting.

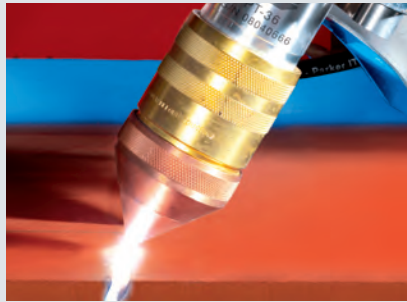
Configurable to meet your individual cutting needs

The SUPRAREX™ HD has a modular design, which means it comes with a range of options and that you can configure your machine to meet your specific

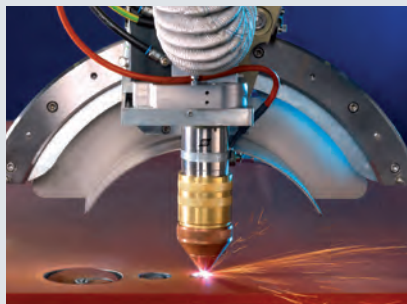
needs. These options include different track widths, preferred cutting processes and different tools for cutting, labelling, marking and bevel cutting that you can choose from for your machine.



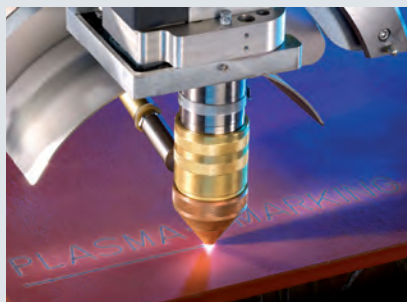
High-precision plasma cutting



Precision bevel cutting



Precision hole cutting using the Plasma VBA Global Pro



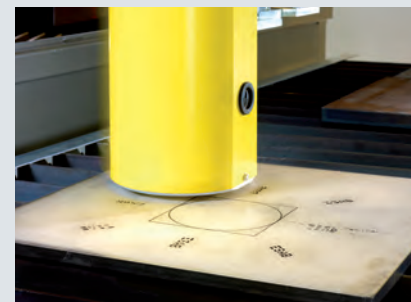
Plasma cutting and marking with a single torch



PLASMA CUTTING



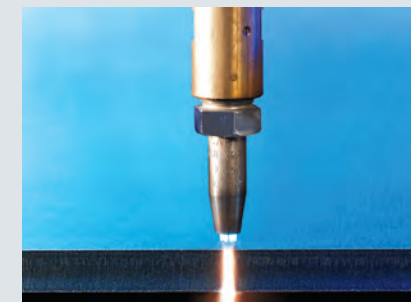
Compressed air marking



Labelling and marking with ink



OXY-FUEL CUTTING



Oxy-fuel cutting materials with a thickness of up to 200 mm



Bevel cutting with oxy-fuel



Grid cutting

SUPRAREX™ HD

Chose from a wide range of tools.

Bevel cutting, labelling and marking with plasma

The SUPRAREX™ HD can be fitted with a wide range of tools that make use of the latest plasma technology. Our proven PT-36 produces highly-precise vertical and

bevel cuts and can simultaneously be used for cutting, labelling and marking.

Our innovative bevel cutting module, the Plasma VBA Global Pro, is a true all-rounder, and suitable for dry and wet cutting, above and

under water, and features ESAB's Precision Hole Technology™*.

* vertical cuts only

Bevel cutting and grid cutting with oxy-fuel

Our variable 3-torch bevel module is perfect for cutting bevels with oxy-fuel. It is suitable for producing all conceivable kinds of bevel cuts - from simple longitudinal and

diagonal bevels to fully-automatic bevel and bevel contour cuts. This module is available with a range of different torches.

Thanks to its unique technology, this special cutting and preheating combination module from ESAB can be

used in conjunction with the COLUMBUS™ III programming system and the VISION™ T5 control to manufacture grids automatically, with high precision and 100% reproducible.

SUPRAREX™ HD

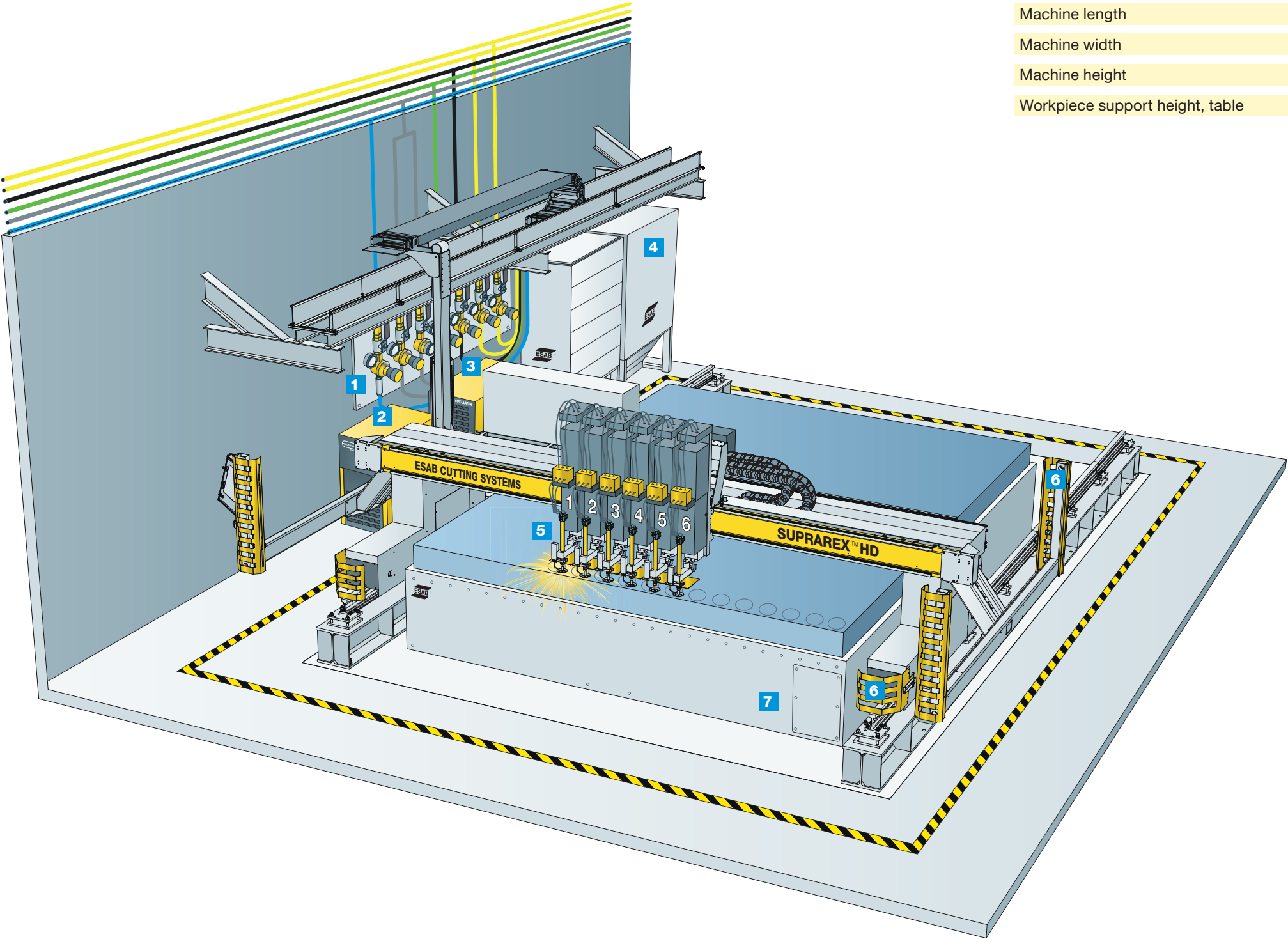
Data and facts.

When used with these gas-
ses, your plasma torch will
be able to handle anything:

- Ar/H₂ Argon/Hydrogen
- CH₄ Methane
- N₂ Nitrogen
- Air Compressed air
- O₂ Oxygen

SUPRAREX™ HD Technical specifications

Track width	3.000 – 6.500 mm
Cutting processes	Plasma and oxy-fuel
Plasma cutting thickness	as per the plasma system
Single-torch plasma cutting equipment	1 – 4 torches
Oxy-fuel cutting thickness	up to 200 mm as standard
Single-torch oxy-fuel cutting equipment	1 – 6 torches
Machine speed in m/min.	24/40 m
Machine length	3,000 mm incl. safety system
Machine width	4,900 – 6,900 mm incl. safety system
Machine height	2,900 mm/power supply from above
Workpiece support height, table	700 mm +/- 50 mm



Other possible processes and and combinations:

- Combined plasma and oxy-fuel cutting
- Bevel cutting using plasma
- Bevel cutting using oxyfuel
- Grid cutting
- Marking and labelling

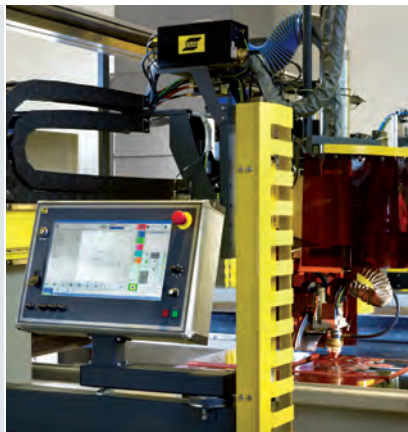
Typical layout of the SUPRAREX™ HD

- 1 Gas supply & consumables
- 2 Plasma power source
- 3 Water cooler
- 4 Filter system with fan
- 5 6 oxy-fuel torches
- 6 Intelligent operator safety system
- 7 Suction table

Subject to technical changes and enhance-
ments. Products may differ from those
illustrated.

ESAB CUTTING SYSTEMS

Productivity – Service – Reliability



When you buy ESAB, you get more than just a machine. You get an experienced and dedicated partner supporting you throughout the life of your machine.

We are committed to exceeding your expectations of after-sales service and support, to providing an efficient supply chain for spares,

wear parts and consumables, and to offering a comprehensive range of services and products to ensure your continuing success.

Quality products, innovative technologies and dedicated customer service - these are the hallmarks of your partnership with ESAB.

ESAB sales and service offices worldwide

