

# Cutting Systems

## Profile Cutting Machines Ultrarex UXC

ULTRAREX UXC is a cantilever machine with coordinate drive system - ideal for production systems with plate widths of up to 2m. The machine is equipped with a 1:1 photoelectric tracing head and allows for facilitated processing of scribed paper templates or scan drawings.

- I Easy installation and operation
- I An oxy-fuel cutting torch and/or a small plasma unit of 50 - 100 amps can be installed.
- I Expansion options from optical control to comprehensive numerical control.

### Ultrarex UXL-P

ULTRAREX UXL-P is a multipurpose CN-controlled portal machine designed for restricted working areas, which can be used for both

plasma and oxy fuel cutting.

- Cutting width up to 2 m
- Oxy-fuel cutting up to 50 mm material thickness

### Ultrarex UXD-P

ULTRAREX UXD-P provides for flexibility and versatility. This is an extremely productive CN-controlled portal machine and allows for both plasma and oxy-fuel cutting. The low dead weight and the high stiffness of the machine ensure rapid acceleration and deceleration -two considerable factors for high-quality cutting processes

Operating speeds up to 20 m / min

- I Cutting width up to 2.5 m
- I Plasma and/or oxy-fuel cutting applications
- I Up to two torch carriages can be used fully automatically

Plasma system up to 100 A

Installation of 2 automatic torch carriages possible

Integrated functions such as capacitive height control automatic ignition and hole piercing for working convenience and optimum cutting quality.

Efficient work preparation by ESAB Vision control, high dimensional accuracy and exact repeatability

Double rack and pinion drive for highly precise cutting

### Combirex CXL-P

The solid COMBIREX CXL-P can be fitted with up to four cutting tools - both plasma and oxy-fuel cutting torches. Due to its special design, the machine is remarkably versatile and flexible. Its modular concept renders COMBIREX CXL-P fit for future production challenges.

Modular design with versatile CNC system.

Three sizes available (2,500, 3,000, 3,500 mm)

Runway rail extension up to 18m

Plasma and/or oxy-fuel cutting

### E-Vent

E-Vent is a new type of plasma cutting system with NC control and software, especially designed as an integrated solution for automated production processes in the fields of heating ventilation air conditioning and insulation.

Can be installed and commissioned in only one day.

ESAB plasma for cutting of steel plates (even galvanized), stainless steel and aluminium smooth and dross-free\*

\* depending on material

High cutting speed of up to 20 m/ min

Maximum cutting range of up to 2,000 x 8,000 mm

Maximum cutting thickness 8 mm

Extensive software with many industry-specific functions

Optional connection to networks

### Eagle

The versatile EAGLE portal cutting machine is perfectly adapted to ESAB precision plasma systems and is available for numerous plate sizes. The entire design combines many functions and features optimized efficiency as well as an improved plate handling. It is distinguished by up-to-date design and the integration of advanced technologies while combining high productivity, extraordinary accuracy and progressive process integration with highest cutting quality in a cutting thickness range from 0.75 to 30 mm.

- Cutting widths up to 3,000 mm

Pre-selection of cutting parameters via data base in compliance with plate thickness

Operating speed up to 35 m/min

Optimum dynamical values

## Suprarex SXE-P1

SUPRAREX SXE-P1 is a high-performance heavy-load portal machine with CNC and a modular design perfectly meeting most various client's requirements. The machine provides driving precision and a strong beam design. This gives the machine flexibility to adapt the different processes of oxy-fuel cutting, plasma cutting and marking.

I Operating speeds up to 24 m/min  
I Cutting widths up to 3,700 mm  
I Up to 6 tool carriages I Areas of application: oxy-fuel cutting, plasma cutting, marking tools for fully automated processes  
I Automatic functions: automatic tool carriage positioning, automatic ignition, automatic height control, automatic gas adjustment and regulation

## Suprarex SXE-P2

SUPRAREX SXE-P2 is based on the same modular functional concept and was extended on this basis. The advantages of this machine are its flexibility for solutions regarding specialized client's requirements.

SXE-P2 is recommended for specialized tools, in particular bevelling units.  
Cutting width up to 4,700 mm  
Up to 8 tool carriages

## Suprarex SXE-P3

SUPRAREX SXE-P3 is the ideal choice for cutting widths of up to 7,200 mm. The strong beam design is suitable for all conventional cutting processes, in particular also for oxyfuel cutting. This machine has been designed for multi-shift service, requiring only a minimum of operation and ensuring a high degree of availability.

Cutting widths of up to 7,200 mm

- Up to 12 tool carriages

## Numorex NXB

NUMOREX, which can be fitted with highly advanced cutting tools, is remarkably versatile and flexible. Maintenance-free, brushless motors in combination with highly dynamic planet gears smoothly drive longitudinal and transversal axes. They provide an absolute guiding accuracy and exact positioning as well as high acceleration values.

Operating speeds of up to 25 m/min  
Machines size up to 8,000 mm  
Heavy-load tool carriages automatic multiple-tool/ process carriage, plasma VBA, triple oxyfuel cutting torch units

## Telerex TXB

With regard to size and capacity, TELEREX rounds-off the ESAB product range towards the high end. The leading and most efficient system in the field of large cutting systems, which is used in the shipbuilding industry, for bridge construction and in pressure vessel production meets the requirements of highest precision, productivity and economic efficiency.

The large number of TELEREX portal cutting machines successfully commissioned worldwide emphasizes this achievement.

Machine size up to 32,000 mm  
Specialized tools: Vacublast jet, grinding devices, plasma marking systems, plasma and/or oxy-fuel bevelling units

## Alpharex

ALPHAREX laser cutting systems are equipped with laser resonators and optics from Trumpf, the leading provider of laser technology.

Depending on the area of

The large number of TELEREX portal cutting machines successfully commissioned worldwide emphasizes this achievement.

Machine size up to 32,000 mm

Specialized tools: Vacublast jet, grinding devices, plasma marking systems, plasma and/or oxy-fuel bevelling units  
application, 3 kW, 4 kW or 5 kW CO<sub>2</sub> lasers are used.

ALPHAREX is not only capable of cutting sheet material, but also of thick structural steel plates, stainless steel and aluminum.

- Constant cutting quality over the entire working area
- Cutting widths of up to 5,000 mm; 25 mm cutting thickness for structural steel

Bevel cutting

High dynamics and speed, since all movements are performed by the cutting head

Optimum adaptation of the entire system