

**Our know-how is your advantage**

With the horizontal multi-head welding machine AKS 9600-CUT, optionally available with 4, 6 or 8 heads, we developed for you a state-of-the-art machine which had been designed for welding with or without weld seam formation and for aluminium covers at visible surfaces.

This extremely flexible machine series is perfectly suited especially for profile welding (with or without CUT function) with foiled, coated or co-extruded surfaces as well as for all surface materials and aluminium covers. Also white standard profiles can be machined the conventional way or optionally with high temperature. The protective foil may remain on the profile for each welding method. This is ensured by the welding/milling process controlled via 19 servo axes so that you have full control and influence on the ratio of burn-off and joining as well as on the final result. White standard profiles or coated profiles, optionally with or without weld seam, can be simply controlled electronically or set by data via work preparation.

The AKS 9600-CUT in 6 or 8 head version is applied both for V-welding and butt welding of mullions, optionally with heating plates from top or bottom to adapt perfectly to your production requirements.

- AKS 9600-CUT with vario welding process and weld seam restriction 0.2mm - 2.0mm or seamless in conjunction with the installed milling unit.

All components comply with our high quality standards - so you may rest assured to have a fully reliable production at any time. Good accessibility to the individual modules and diagnosis via control allow quick and simple maintenance and cleaning of the machine. Pre-milling of drawn-in gaskets is another advantage so that weld seams can be reduced to a minimum.

An optimal result for different profiles is ensured due to the fact that all parameters such as milling parameters as well as ratio of burn-off and joining, welding temperature, heat-up time, fusing pressure, joining pressure and joining time are individually adjusted.

The welding temperature is permanently monitored through perfectly synchronized electronic temperature controllers and heating elements. All parameters of each profile are individually stored in the control.

Positioning of the 19 axes is done through central electronic control by AC servomotors. All models are provided with integrated outfeed for transfer into the subsequent production flow.

# AKS 9600-CUT

Horizontal multi-head welding machine



## Technical information



Example based on version 30/35  
6 head about 4950 kg



Example 4 head  
230/400 V, 50-60 Hz  
L1-L2-L3-N-PE  
10 kW, 20 A

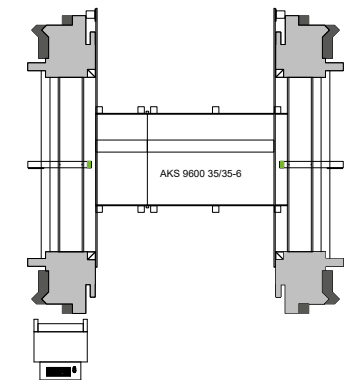


7 bar



about 92 l (at 7 bar)

Example 6 head



Technical data apply to basic machine without options. Size according to layout.

Product data sheet  
AKS 9600-CUT  
06/22 PR40182

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# AKS 9600-CUT

Horizontal multi-head welding machine

**U-R-B-A-N**

Trust. Right from the start!



## User-friendly operation

IPC-control with high quality colour screen and online connection possibilities ensure user-friendly operation of the machine as well as excellent and simple integration and connection with other machinery and production units.



## No recutting

Due to the milling function, a compensation of the cutting tolerance of profile rods is possible in one clamping process before welding (oversize). That's how the prescribed ratio of burn-off and joining is always ensured.



## Clean and individual final results

For single-sided profiles with foil, the variable stepless crush slit adjustment from 0.2 to 2.0 mm allows normal welding of the profile on the white side and the superior seamless CUT process on the other side.

## PVC welding in a new dimension



### Perfectly gasket

Undercut milling respectively back milling (through center milling cutter) of gasket ensure first class results as standard.



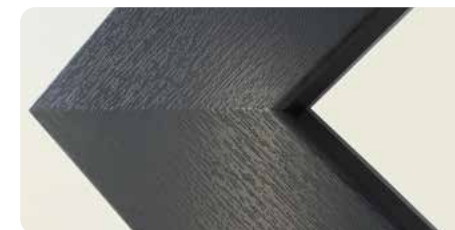
### Highly efficient

The protective foil should remain on the profile; efficiency is considerably increased and protection of the frames and sashes during transport is ensured.



### Highly flexible

The large milling cutter for profile surfaces (with long-life reversible milling inserts) is the guarantee for a high output. Even the most complicated profile contours can be reached by the integrable pin cutting miller.



### Clean corners

Pre-milling of profiles in one clamping process before welding ensures high quality results of different materials.



### No limits

The CUT function can be easily combined with Kämpfer and HFL welds (table-side); the high-speed welding as conventional process completes the product range.

\*optionally available