

## Our know-how – your advantage

With the AKS 8400 we developed for you a very flexible high quality machine. Due to its solid design and special functions, the machine achieves highest possible dimension accuracy and adapts perfectly to your requirements.

AKS 8405 with weld seam limitation of 2.0 mm  
AKS 8410 with weld seam limitation of 0.2 mm

All components comply with our high quality standard - so you can be sure that your production is reliably secured at any time. Good accessibility to all individual modules allows for quick and simple maintenance and cleaning of the machine. The automatic unlocking device\* of the locking bolts, which is optionally available, helps to save additional time when changing and fixing the outside fixtures. In addition to that, the change of the back stop is no longer necessary for straight frames from 40 mm to 200 mm. Thanks to the vertical profile loading and the pre-selectable

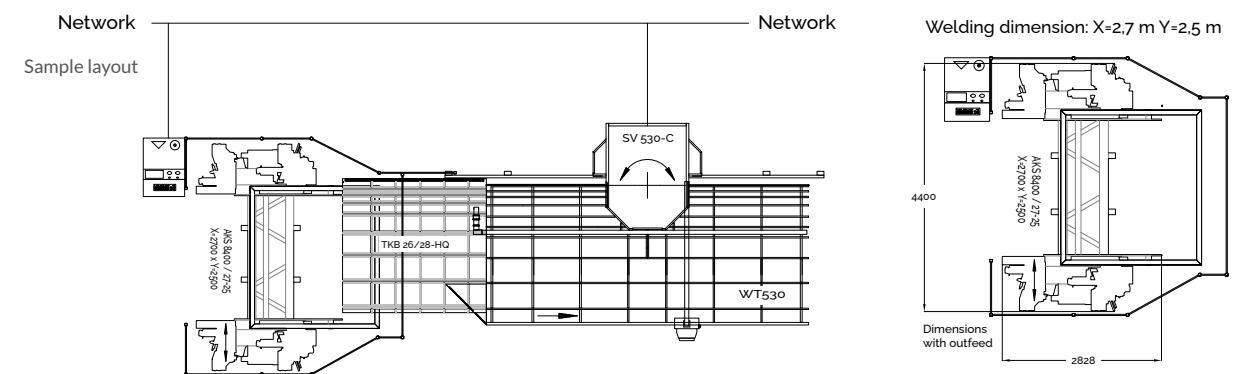
insertion position of the upper welding heads, profile bars can get loaded by the operator in an ergonomically favourable position. The automatic outfeed\* of the elements is done in horizontal position to the rear. As all parameters (e.g. heat-up and joining time, welding temperature\*, melting\* and joining pressure\* etc.) of each single profile can get adjusted individually and pre-selected via the program, a perfect adaptation to different profiles is possible. Electronic positioning of the X-Y axes is done through AC servo motors. \*optionally available

## AKS 8400

### Vertical 4-Head Welding Machine



### Technical information



approx. 4200 kg at 27/25  
approx. 4500 kg at 35/25  
in each case without special aggregates



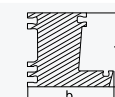
230 / 400 V, 50 - 60 Hz  
L1-L2-L3-N-PE  
13 kW



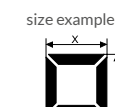
7 bar



air consumption per cycle  
92 litres



h max. : 200 mm  
h min. : 40 mm  
b max. : 150 mm



| size example | 27/25   | 35/30   |
|--------------|---------|---------|
| x max.       | 2700 mm | 3500 mm |
| x min.*      | 320 mm  | 320 mm  |
| x min.**     | 390 mm  | 390 mm  |
| y max.       | 2500 mm | 3000 mm |
| y max.       | 320 mm  | 320 mm  |
| y max**      | 390 mm  | 390 mm  |

Technical data are valid for basic machine without options. Size according to layout.

\*with accessory frame slide

Product data sheet  
AKS 8400  
01/22 PR40032

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Subject to errors and modifications

# AKS 8400

Vertical 4-head welding machine

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

Trust. Right from the start!



## Convenient operation

The IPC-controller with high-end colour screen is integrated in a very clearly arranged terminal. Online connectivity is the guarantee for an operator-friendly handling of the machine.



## Higher corner strength

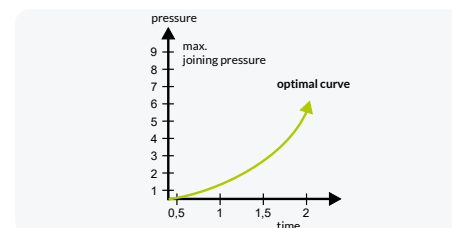
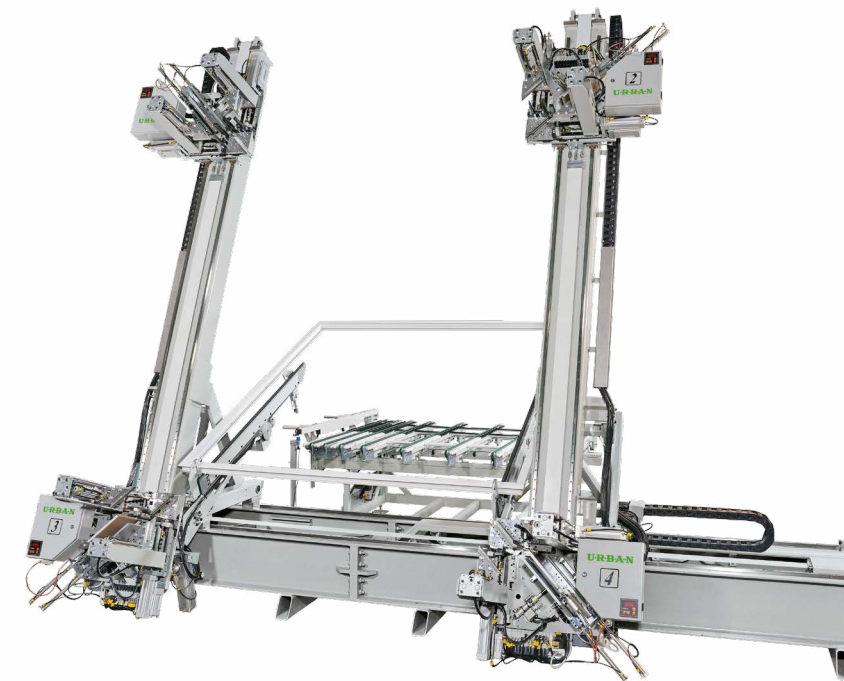
The parallel thrust function of the welding slides improves the corner strength.



## Optimal adaptation

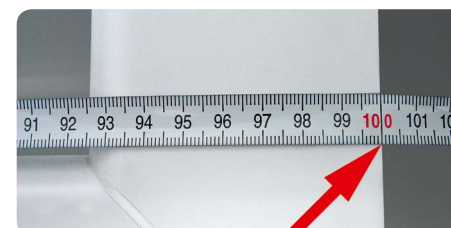
The electronically controlled temperature regulation\* can be stored related to the profile or manually selected. So you have the advantage of an optimal adaptation to different profiles.

## PVC welding in a new dimension



## Maximum machining quality

Electronic adjustment (IPC)\* of operating pressure ensures an optimal adaptation to the profile features and highest machining quality.



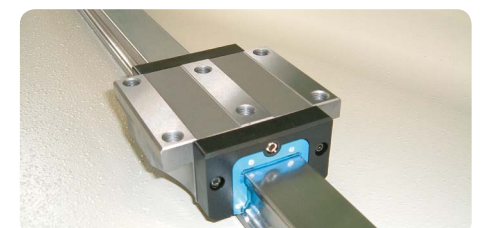
## No rework

Compensation welding ensures equalizing of length tolerances of the profile bars. Therefore, reworking of additional profiles belongs to the past.



## Decent corner cleaning results

The automatic crush slit adjustment\* of 0.2 mm or 2.0 mm, selectable via PC without set-up times or mechanical adjustment jobs allows for proper corner cleaning results.



## Sturdy machine structure

Rail guidings ensure a sturdy and solid machine structure in areas where it is required.

\*optionally available