

U-R-B-A-N NEWS

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Trust. Right from the start!

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Informations for our customers and business friends

Presentation of high speed PVC window production unit at Urban

National and international customers took the opportunity

In the scope of a machine acceptance, Urban GmbH & Co. Maschinenbau KG located in Memmingen offered for two days the possibility to an interested circle of customers to look at a high speed window production line.

In the scope of a machine acceptance, Urban GmbH & Co. Maschinenbau KG located in Memmingen offered for two days the possibility to an interested circle of customers to look at a high speed window production line. "It was our intention to give concretely interested customers the possibility to look at such a PVC production unit in a live situation", explains Martin Urban, managing partner of Urban GmbH & Co. Maschinenbau KG. "It goes without saying that a real window production is still a different story but our guests can still get a first impression of the processes and possibilities", so Martin Urban.

So at the end of February 2013 more than 150 national and international guests took advantage of this event and informed themselves of the high speed window production unit in Memmingen. Thanks to the strictly kept small number of visitors, very detailed and intensive talks could be held. Many great highlights are integrated in the very compact PVC-window production unit. The machine concept includes an AKS 6900 4-head welding machine with I-Pos function and an AKS 6600 4-head welding machine. Both machines have been designed for high temperature welding cycles. This means that instead of 240°C the welding cycle takes place with an applicable higher temperature. By doing this the production line

could get adjusted to a welding cycle of 90 seconds. Thanks to the I-Pos function at the AKS 6900 differently wide frames can get welded without changing of the fixtures. The very high numbers of elements which both welding machines put out get processed in the SV 800 CNC 4-head corner cleaning unit. The SV 800 CNC corner cleaning unit is the one and only machine on the market which can keep up to the fast cycle of the two high-speed welding machines.

Intensive detail conversation

"Very often we experience situations where a lot of effort is made to optimize the welding cycle but the rest of the production line - especially the corner cleaning unit is not capable to keep up to the set speed", explains Hermann Deller, sales manager for central Europe at the Urban group. With the CNC corner cleaning unit SV 800 of Urban this is different. Besides the standard cleaning tools special units such as the corner bracket drill unit ESB, a milling unit for overlap sash combinations and an inside saw blade with constant scanning function for colour inside corners have been installed in the CNC corner cleaner SV 800. The production cycle of the high-speed unit continues on



into the logistics field where tilt- and destacking shelves organise the elements for the further processing at the overlap saw and the FBA 2500/4 sash assembly unit. Thanks to a lateral outfeed of the elements, the realisation of very compact production lines is possible. "Often enough the layout of the customers predetermines this requirement", explains Fred-Karsten Karl, technical sales representative at Urban.

The glass sorting unit 'Glasflex' of Urban completes the presentation. The importance of an organised and structured glass panel logistics is and will remain extremely high and the glass sorting unit of Urban offers many possibilities. By now the Urban glass sorting unit is one of the standard products of the Urban

VIDEO



Content

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EDITORIAL

Dear customers,

The difficult international environment suppresses the global economy. Thanks to a stable business climate the German economy could continue to grow anyway. German window producers are extremely competitive and stay



Martin Urban

competitive compared to international standards and therefore in a very good shape.

The willingness to invest is high among the window producers which has led to several 7-digit range projects in the first quarter of 2013.

For many years now our stability culture has proven to be successful and you rely on us when realising your processes of change.

This encourages us in our doing.

Thank you very much.

Yours

Martin Urban
Managing Partner

Address array



High-Speed Welding

Increase temperature

Decrease welding and joining time

In general, the topic "high-speed welding" is very simple. The warm-up time of the heater plate is increased to approx. 280° C (+/-) and the PVC-welding time and joining time is decreased. So under certain conditions the welding cycle time can get reduced considerably without further ado. The results in regards to the corner strength are satisfactory.

The first condition for the high-speed welding is

however the material quality and therefore requires the clearance of the profile suppliers.

Should the output get increased even more, the burn-off can get reduced as well. In addition it is absolutely necessary that a precise cutting of the profile to 0.5 mm in the length and angle can be guaranteed.

But in this case it is necessary to make sure

that still enough burn-off is available in order to guarantee an acceptable corner strength.

Why window producers rely on know-how made by Urban

Planning competence pays off

Urban receives large-scale order from FeBa

The Urban group could close the business year 2012 more than satisfied and start with full order books into the new season. Not least the mega project between the Urban group and the window producer FeBa caused happy faces on both sides. Therefore Urban GmbH & Co. Maschinenbau KG located in Memmingen is going to supply PVC-window production lines and logistics units for three PVC-window production plants to FeBa Fensterbau GmbH located in Burbach. This will allow FeBa to reliably produce more than 1000

ding- and corner cleaning machines, bar processing- and metal fitting units, cutting as well as logistics units. All machine models of Urban combine well tried and tested solutions with innovative technology, multi functionality and highly specific fields of applications. Even so FeBa Fensterbau GmbH constantly invested into new production lines in the past, always with the customer benefit in mind, FeBa decided in an extensive replacement investment. With a lot of far-sightedness and trust in the future the North-Rhine-Westphalian window producer decided to exchange

producers of windows and doors in Germany. The product range of FeBa includes vinyl windows, balcony doors, entrance- and side doors made of vinyl and aluminium, roller shutters and ventilation systems. Both companies work together for the first time and already during the briefing it became clear that the chemistry is just right. The good reputation of Urban as reliable and reputable constant is well known in the branch worldwide. No matter whether a customer purchases a single machine or a complete production line, Urban treats everybody equally reliable and trust-

maintenance- and service jobs reliable and as fast as possible.

Therefore all conditions are fulfilled to guarantee FeBa realistic delivery times, high quality machines and therefore the necessary process reliability. It is extremely important that especially with a project of this extend the know-how of all involved parties can have some influence and get implemented in the project. The impressive planning power of the Urban team combined with the window know-how of FeBa Fensterbau GmbH now results in a new, highly efficient high-tech production



FeBa Fensterbau GmbH will be attended by Wilfried Mildenerger

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park for vinyl windows. All involved Urban and FeBa teams are now looking forward to a prosperous cooperation and realisation of this sophisticated project.



window units per day. The window producer FeBa will therefore increase its capacities by another 30 % per day.

The Urban company group is leading producer of machines and accessories for the production of vinyl windows worldwide. Urban offers a wide range of wel-

the complete machine park and even extend the machinery with additional production lines.

The machine units of Urban will get delivered and installed in three construction stages. The start-up will take place in the same time frame. FeBa belongs to one of the highly efficient

worthy.

The Southern German machine builder Urban is thanks to a solid business environment and stable market position well positioned and future proven. Customer service does not stop with the sales of machines at Urban. Urban handles refittings, adjustments,

FeBa
Fenster und Türen



FeBa-Projectteam (v.li.): Thomas Menk, Simon Menk, Micha Tetzner, Lutz Leppelmeier, Markus Gräf

Why window producers rely on know-how made by Urban



Leicht receives new welding / corner cleaning line

High expectations in performance and quality of new CombiCentre

A carpenter's bench and a handborrow – that was the first equipment of the Leicht Fenster und Türen GmbH located in Karlsdorf. Already in the third generation, the window builder produces windows and doors in the Baden area.

But not only the production of windows and doors is the core competence of Leicht but also the replacement of insulating glass and parts in combination with windows, roller shutter repairs, installation of safety fittings and

carpenters work. In addition to that, a new show room has been opened in Karlsdorf in April which has besides windows and doors also roofs, wooden facades and solar power systems of the affiliated company on display. "We are broad in scope and offer our customers not only top products but also extensive services", explains Thorsten Leicht, purchasing manager of Leicht Fenster und Türen GmbH. As a long-term and satisfied Urban customer, Thorsten Leicht could build

on his experiences with the already existing Urban welding-cleaning line and therefore specifically frame his requirements in an additional, second production line. Besides the increase of capacities, Leicht wanted a corner cleaning unit with additional aggregates in order to reach an optimum in quality in especially sensitive areas. This should take place in a fast through-put speed. So this is why Leicht decided in a 4-axis CNC corner cleaning unit SV 530. Due to the design concept

of the SV 530 corner cleaning unit this machine offers excellent cleaning results with a very high output. A 4-head welding machine AKS 6410 was positioned in front of the SV 530 with automated sealing former, high-tech knives and reinforced compressed air cylinders in order to use the full potential of the new welding machine in the long-term. Besides the requirements in performance and quality, special structural conditions of the Baden window producers needed to get consi-

dered for the installation and set-up. This is why Helmut Happe, technical sales representative of Urban carried out detailed measurements at the production plant in Karlsdorf-Neuthard. "The set-up and installation could take place within the given time frame and this guaranteed us a fast resumption of our production", says a delighted Thorsten Leicht.

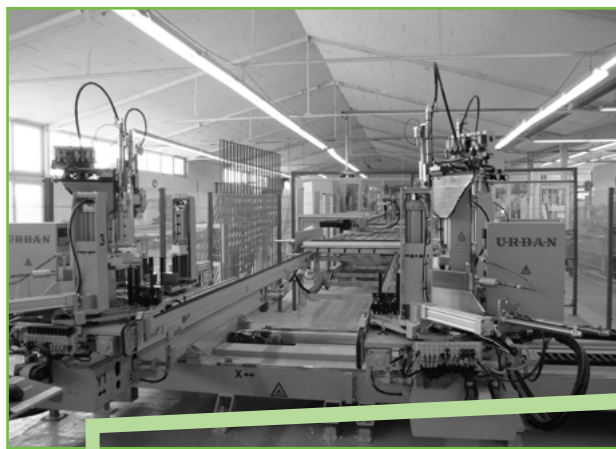


Leicht Fenster- und Türen GmbH will be attended by Helmut Happe

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CNC-Corner cleaning machine SV 530



4-head welding machine AKS 6400



New exhibit in Karlsdorf

Why window producers rely on know-how made by Urban

Ernst Müller GmbH invests in new production line

Organised logistics thanks to destacking unit of Urban

For more than 55 years the Ernst Müller GmbH located in the Middle Franconian Windsbach produces and assembles windows, doors and sun protection units made of vinyl or aluminium. Not only the product convinces at the Ernst Müller GmbH but also the extensive range of services from planning to consultation, production and the assembly of windows and doors. Thanks to the combination of best windows- and doors systems and efficient production lines, Müller can offer the most

modern innovations in the field of head insulation and energy efficiency at any time. The production of high quality windows and doors needs craftsmanship and the use of most modern production lines.

The Ernst Müller GmbH consequently sticks to this philosophy and therefore it was only logical that Müller invested into the replacement of the production line for vinyl windows. So the already existing welding-cleaning line of Urban was replaced and extended



with a new Urban production line which consists of an AKS 6410 welding machine, a SV 530 CNC corner cleaning machine and a destacking unit. "An ideal production flow was important to us, an increase of our capacities as well as a structured handling of the frame elements after the corner cleaning process", explains Jan Helmer, business manager of Ernst Müller GmbH. "We especially like the corner- and bracket drill unit on the SV 530 corner cleaner and the possibility to process different wide frames", says a delighted Helmer. Thanks to the new destacking unit around the ASRflex of Urban the frames get buffered in a very structured way and no more backlogs can build up. The further proces-

sing of the frames can take place at any time and no more idle times crop up. "A structured procedure in the destacking process was very important to me", so Jan Helmer. Already in the past the Ernst Müller GmbH produced windows with an Urban PVC-window production line and therefore the machine manufacturer located in Memmingen got the chance to install this line as well. "The individual consultation and service of Urban and especially of Alexander Weirather, technical sales representative at Urban has convinced us long ago. So it was clear to us that we will trust in Urban with this investment as well", explains Jan Helmer. Under these conditions the production of windows is fun.



Ernst Müller GmbH will be attended by Alexander Weirather

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Company location Ernst Müller GmbH



Manager Jan Helmer (le.) and operation manager Robert Lechner (ri.)

TECHNOLOGY

Parallel- or Diagonal Welding - What makes the difference?

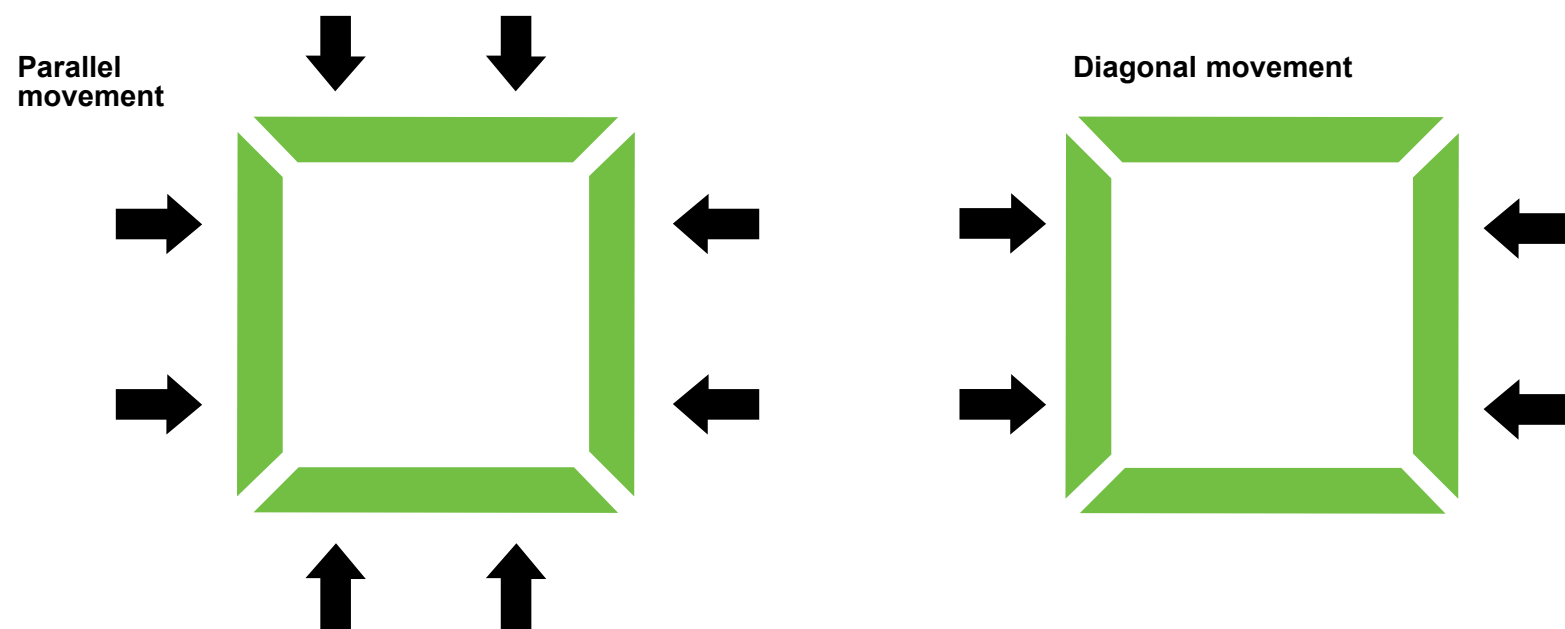
Individual selection of parallel- or diagonal welding possible in each machine

For Example: Direction of movement at 4-head welding machine

The **diagonal welding** is the standard process. Diagonal welding means that 1-2 profile bars get inserted into a fixed position and the other profile bars get moved accordingly.

In addition to that, Urban welding machines offer the patented variant 'parallel thrust welding' as well.

Parallel welding means that all 4 profile bars get moved simultaneously.



The ADVANTAGE of parallel welding is:

- High corner strength as BOTH tables move to the profile for the joining step
- Ideal welding seam
- Defeatable for the screw-in of transoms (H's)
- Uniform formation of the weld seam

HOB Manual corner cleaning device

For the manual refinish (grooving) of mitres and for the on site removal of defects of already installed windows.

- incl. 2 grooving knives 3 mm

INFO



Ask for your brochure now!

Urban supports the replacement of windows at SOS-Children's Village

Urban made a donation to the SOS-Children's Village located at the Ammersee

For many years social commitment belongs to the business culture of Urban Maschinenbau located in Memmingen. This year the company made a donation to the SOS-Children's Village Ammersee. PR-Manager Beate Urban handed over the cheque. SOS-area manager Christoph Rublack wants to use the money for the replacement of the windows of the SOS Children's Village buildings. Some of them are more than 50 years old. So Christoph Rublack could set-up a direct relation to the donor as the worldwide active family owned company manufactures machines for the production of vinyl windows.

Beate Urban and Herr Rublack, division manager SOS-Children's Village (left picture)
Aerial photo (right picture)

