

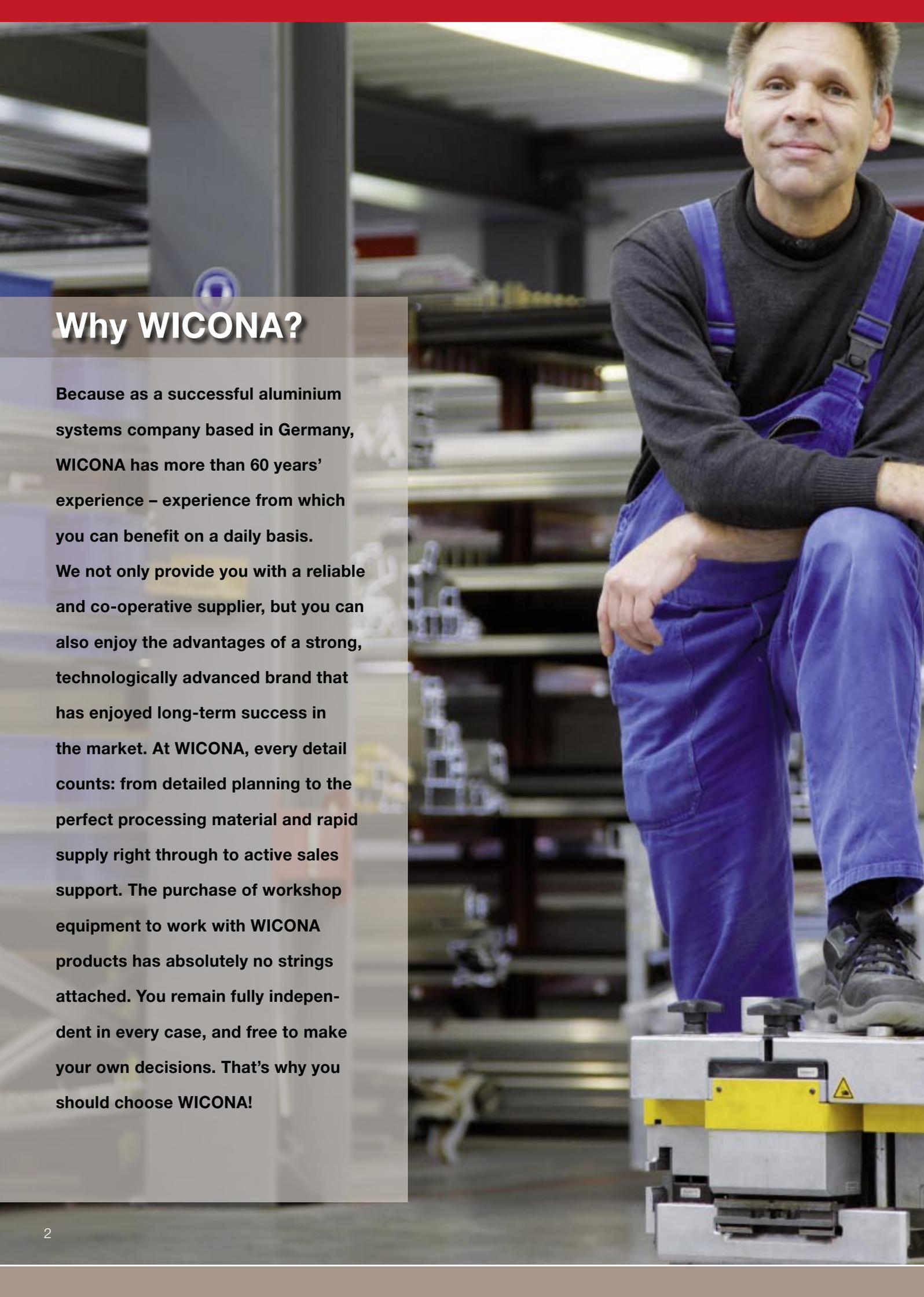
# WICONA®

TECHNOLOGY FOR IDEAS

Tools/workshop equipment

## WICPRO®



A man in blue overalls and a dark long-sleeved shirt is sitting on a piece of industrial machinery in a factory. He is looking towards the camera with a slight smile. The background shows shelves with various metal parts and industrial equipment.

## Why WICONA?

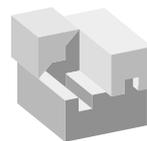
Because as a successful aluminium systems company based in Germany, WICONA has more than 60 years' experience – experience from which you can benefit on a daily basis.

We not only provide you with a reliable and co-operative supplier, but you can also enjoy the advantages of a strong, technologically advanced brand that has enjoyed long-term success in the market. At WICONA, every detail counts: from detailed planning to the perfect processing material and rapid supply right through to active sales support. The purchase of workshop equipment to work with WICONA products has absolutely no strings attached. You remain fully independent in every case, and free to make your own decisions. That's why you should choose WICONA!



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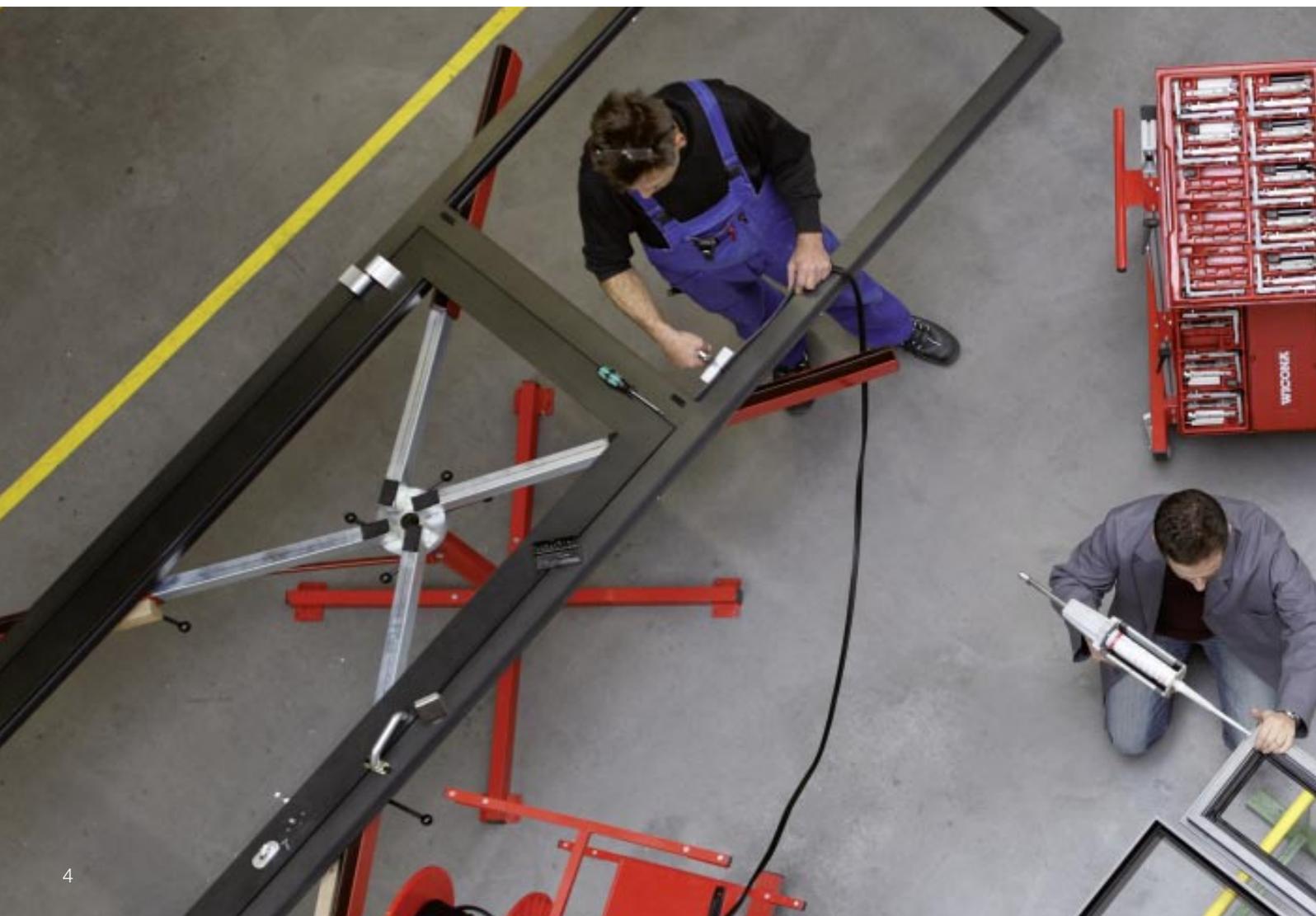


# WICONA<sup>®</sup> Unisys

Reduced complexity!

WICONA Unisys – few individual components, total flexibility

WICONA Unisys simplifies work procedures, speeds up construction processes, creates more space and promotes visibility in your workshop.



## WICPRO®

The modular system WICONA Unisys means, above all, time savings for you, allowing you to concentrate on what is important.

This applies to materials and components, but also to your tools and work equipment. WICPRO also makes the complex simple.

Example: the WICPRO multi-punch.

It can be used in a flexible manner thanks to the variety of interchangeable tools. A six-piece tool kit provides you with up to 14 processing options. This covers all of the work involved in producing a window, for example.

The WICPRO multi-punch provides you with a very good basis for production, and in order to ensure that this remains the case, we are also aiming future designs at problem-free processing using this machine.

This is why: reduced complexity.



### WICONA Unisys Advantages at a glance

- Process reliability due to the use of the identical parts, processing steps and tools
- Time saving as little time is needed for preparation, training and production
- Cost saving due to reduced number of parts and less storage space required
- Greater availability of goods and consistent module size of the standardised individual parts

# Rational production, precise manufacturing



# WICPRO®

To help you turn great ideas into individual customer solutions, we not only provide you with the best materials, but also with professional tools and equipment. It is all summed up in one word: WICPRO.

**WICPRO is where everything comes together – the machines and tools for use in production are perfectly designed for the WICONA range.**

## Simplify work procedures, optimise quality standards

A greater level of efficiency in the production process is easily coupled with a further improvement in quality standards. At WICONA, we have taken a careful look at the workflows in your workshops and manufacturing facilities, since professionals require professional tools. We are always on the look-out for ways to improve, and, when developing our new systems, take on board many of your suggestions that have been based on your day-to-day experiences. The results for you are reduced manufacturing costs, optimized throughput times and improved process reliability. WICPRO products are optimally tailored to the respective procedures and to your specific requirements. The best basis upon which to build your success.

## WICPRO Advantages at a glance

- Perfectly tailored to WICONA products
- Increases efficiency of manufacturing
- Tailored equipment designs
- Save time and optimise costs thanks to tools that can be used across the range
- Four tool concepts to choose from: multi-function punches, single punches, hand punches and drilling templates for custom-made items



Skips



Protective foil and foil-roller

# Secure delivery

## WICPRO®

**WICPRO means professionalism right from the start. This begins with the safe and secure packaging and loading at our delivery plant. Even at this stage, we strive to make things as easy as possible for you when you later receive the goods. The material is handled with the utmost care in order to avoid damage to the goods during transport as far as possible.**

### Skips

- Protect profiles from damage during transport
- Ensure optimum handling of the shipment
- Special attachments for simple and secure handling
- Removable posts for space-saving storage until the empty skips are collected

WICONA profiles are shipped to you in patented skips. These are special transport containers that make handling easy and secure and can be stored in order to save space after use. Our robust, light-weight and residue-free removable foils has proven to be most effective at protecting profiles from possible damage during the production process and transport.

### Protective foil and foil-roller

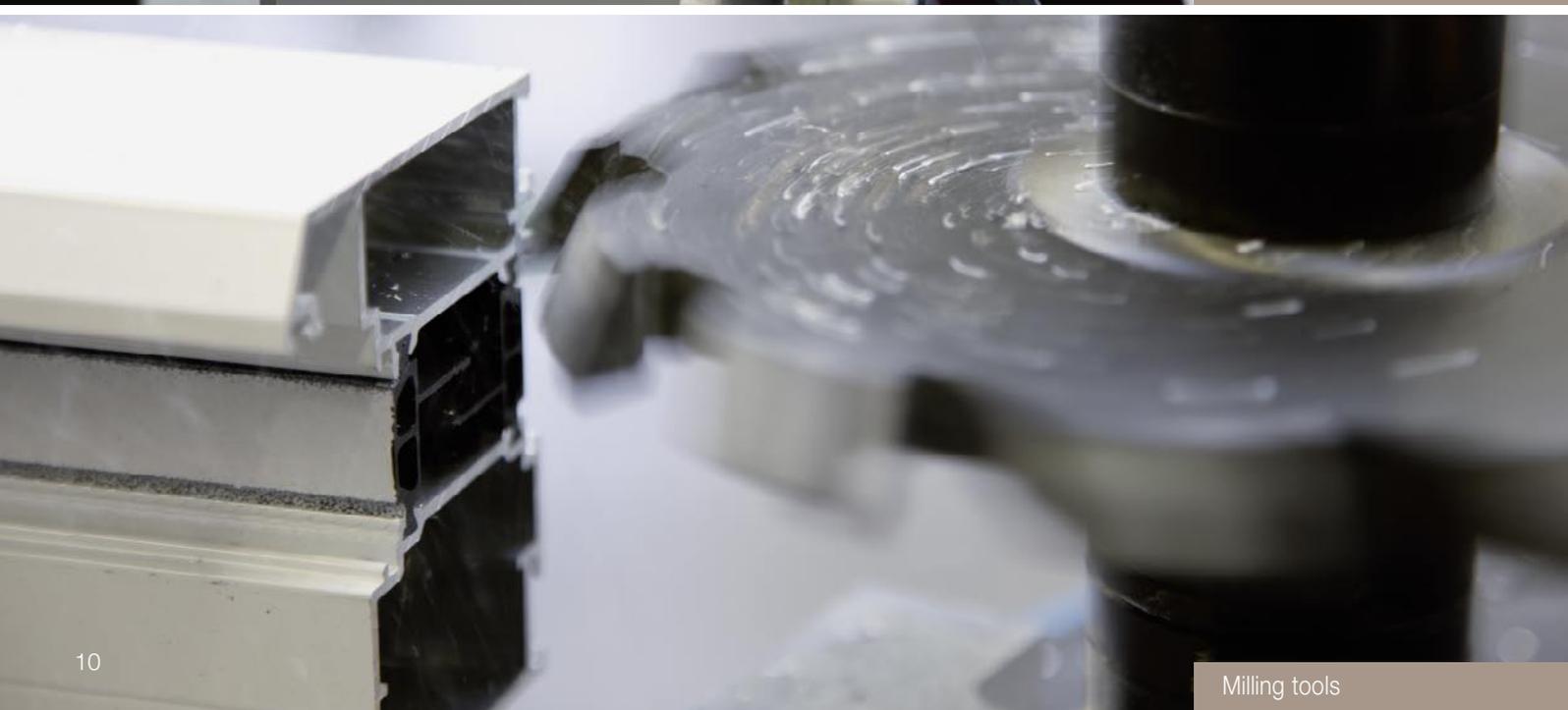
- For rapid application of foil to coated and anodised profiles
- Foil widths up to 150 mm
- Effective protection of the profiles and frames from scratches and other damage from the manufacturing stage up until handover to the client
- Simple to use
- Adjustable brake
- Adjustable guides
- Stops fold away to also enable foil to be applied to the entire surface



Diamond saw blades



Sawing shims



Milling tools

# Precision when sawing and milling



It is absolutely essential that the profiles are cut perfectly in order to ensure a high level of quality. We want you to achieve an optimum result when it comes to façades, windows and doors. This is why with WICPRO, we provide you with the best preconditions for exact cutting and precise mitre joints.

For you, this means maximum functionality and the best visual appearance.

## Diamond saw blades

- Up to 40 times the service life of conventional metal saw blades
- Consistently precise saw cut
- Optimum equipment both in financial and quality terms
- Available individually tailored to your requirements

## Sawing shims

- Provide a very high level of quality in terms of the saw cut and precision of the corner joint connection.
- High efficiency provided by custom-fit clamping of the profiles on the saw and milling machine
- Special design for rapid change of the shims
- Available for all profile geometries when using horizontal and vertical saws
- Improve work safety

## Milling tools

- Profile-related special milling-cutters available on a short-term basis
- Special milling-cutters for traditional windows, folding/sliding construction, WICSTYLE 88 front door and WICTEC 50 façade with industrial contour; tailored precisely to profile contours
- Ø 8 mm solid carbide milling-cutters for standard copy milling
- Ø 10 mm diamond milling-cutters with a long service life and a high level of cutting quality for processing centres

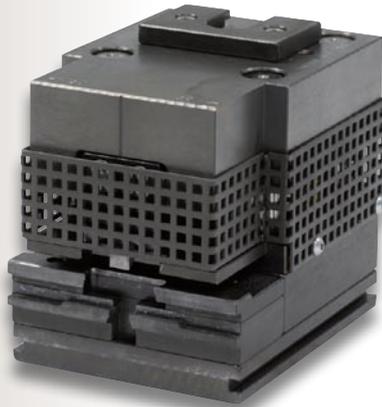
Interchangeable tools for multi-function punches



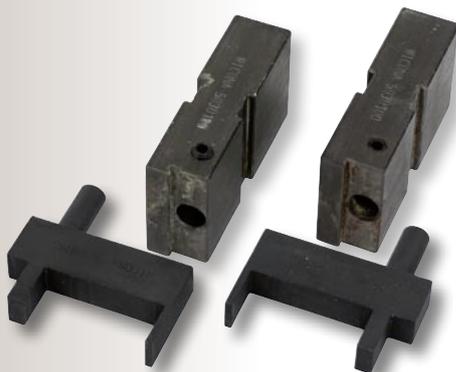
Interchangeable tools for hand punches



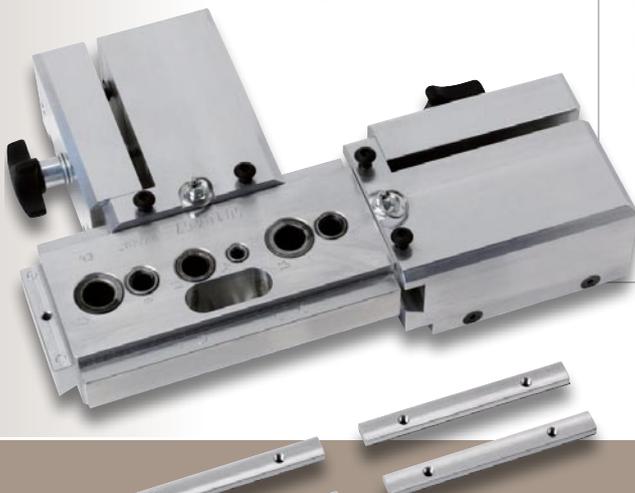
Single-punching tools



Crimping tools



Drill templates for special applications



# Flexible punching and

As a professional metal construction company, you are successful in providing creative services. In order to do this, you need the necessary backing in any step of processing. We support you in this with WICPRO.

The range of punches provides you with maximum flexibility when it comes to processing and ensures exact compliance with the specifications. Whether you have a team consisting of only three people or work with a larger number of staff, WICPRO always provides you with the best possible processing machine equipment.

You can choose between multi-punches and hand punches with various functions and possible extensions, as well as single-punch tools for existing workplaces.

## Interchangeable tools for multi-function punches

- Manufacturing processes can be executed according to requirements
- Difficult punching can be managed easily
- Simple maintenance and spare parts replacement
- Continuous extension in the case of new product systems

# joining technology



## Multi-function punch

- More efficient operations and cost reduction:
  - a. Rotating tool carrier mounting
  - b. Processing tools can be changed rapidly
  - c. No start-up times required
  - d. Increase in punching speed thanks to quick-action ventilating valves
  - e. Currently able to perform a total of 49 processing operations
- Optimum working height in connection with the WICPRO machine table
- Length limiter tailored to special applications and universal use
- Can be extended to meet special manufacturing requirements
- 14 ways of processing using one tool arrangement (for all construction depths), e.g.:
  - Corner joint frame
  - Butt-joint transom
  - Corner joint sash
  - Drainage frame
  - Drainage sash
  - Slide rod machining (cutting to length, punching, piercing)
  - Handle hole punching



**Multi-function punch**

## Single punch tools

- Single punches for existing workplaces, as well as for use on production lines
- Compact design with integrated spring assembly and pillar guide
- Total height 140 mm, activation distance 25 mm

## Hand punches

- Low weight, high punch force
- Optimum price/performance ratio for punch unit and tools
- Can be universally and flexibly used with corner joints thanks to exchange adapter
- Drainage punching of the finished frame
- Advantageous in the case of large window units

### Options:

- Hand punch base units for corner joints/butt-joints
- Drainage hand punch for window and door frames
- Hand punch for corner joints/butt-joints on fire protection doors

## Cramping tools

- Can be used on a number of corner press machines thanks to its universal adapter
- Time savings thanks to quick change system – time-consuming and costly installation work on the machine no longer required
- Forks adapted to standard corner angle and profile chambers

## Drill templates for special applications

- Efficient manufacturing thanks to simple and low-cost application
- Particularly suited to small-scale production
- High level of process safety provided by defined stops
- Integrated clamping elements

# Simplified assembly

Pneumatic hammer



Injection pistols



WICPRO also represents simplified assembly, as the WICONA Unisys principle “reduced complexity” applies. The highly diversified WICPRO range includes special tools that optimise the assembly of the profiles to produce a finished product. In order to do this, we have observed workshop procedures closely. The key elements are low material consumption, generating as little waste as possible, a high level of operational efficiency and the prevention of damage.

We have developed ergonomically designed storage options for you. These provide you with all of the work equipment in a quick and visible manner and the material is reliably protected from becoming dirty or damaged.

## Injection pistols

- Economical adhesive processing as the amounts of adhesive can be precisely dosed
- Visual display on pneumatic cartridge punch
- Dosage by means of the discharge mechanism in the case of the manual punch
- Special, flow-optimised WICPRO 2K-PU adhesive available
- Flow behaviour adapted to injection technology, resulting in process-optimised fabrication

## Assembly table

- Surface damage to window units avoided by using special plastic triangular strips as a cover
- Increase in productivity thanks to improved working comfort and fatigue-free working
- Can be adjusted to ergonomic height; range of adjustment 930 – 1250 mm
- Universally adjustable: units with square dimensions up to 2900 mm side length can be placed
- Turnable; can be fixed in every position
- Carrying arms can be individually adjusted and locked in any desired position.



Assembly table

## Roller for sealing the cut surfaces

- Optimum application of the adhesive
- Simple to use
- Economical to use
- Clean processing

## Pneumatic hammer

- For the rapid processing of bushes in the case of corner joints and butt-joints
- Premium quality and long service life
- Compact design and ergonomic shape for fatigue-free working
- Impact force continuously adjustable
- Tools can be quickly changed thanks to the spring-loaded mechanism

## Fittings installation trolley

- Optimised for frame and sash assembly
- Fittings can be quickly reached
- Can be supplied with two or three shelves
- Adjustable angle
- Storage for small parts
- Storage compartment for push rods
- Can be moved thanks to four castors, two with brakes

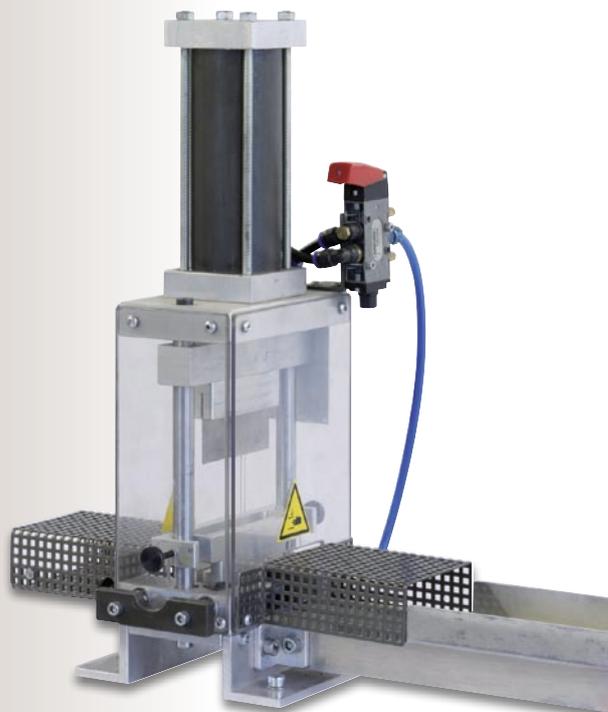


Fittings installation trolley

## Assistance with assem

Gaskets belong to the most important functional components when it comes to producing façades, windows and doors. It is for this reason that we dedicate just as much care to this topic as to the aluminium profiles themselves. The WICPRO range comprises a number of practical aids to help with the rapid and precise processing of rubber gaskets.

Gasket punch



Gasket cutters



Gasket roller



Reel dispenser



### Reel stands

- For up to four different gaskets on WICONA multi-way reels
- Gasket reels have a break to prevent gaskets from unrolling by themselves
- Flexible to use in the workshop thanks to controllable rolls
- Economic and space-saving
- Storage space for shears and gasket roller
- Gaskets are kept clean

Reel stands



### Gasket punch

- Punch to rationalise cutting gaskets to length
- Clean cuts thanks to high cutting speed
- Lateral feeder and clamp are steplessly adjustable
- Foot push-button operated
- Modular construction; can be extended for future developments
- Length limiter with lateral feeders
- Optimum working height with work table; adapted to length limiter
- Additional matrices for sealant-free transom joint of WICTEC 50 or WICTEC 60
  - Industrial cut of the transom gaskets for 50° bevel cut
  - Increased efficiency due to only one work process for cutting to length and bevel cuts
  - Mullion gaskets can be cut to length at 90° without the need for alteration

### Reel dispenser

- For gaskets on WICONA multi-way reels
- Simple to unroll
- Can be used universally in the workshop and particularly on the construction site
- Easy to transport by the bracket
- Economic and space-saving
- Can be simultaneously used as storage space for additional tools

### Gasket cutters

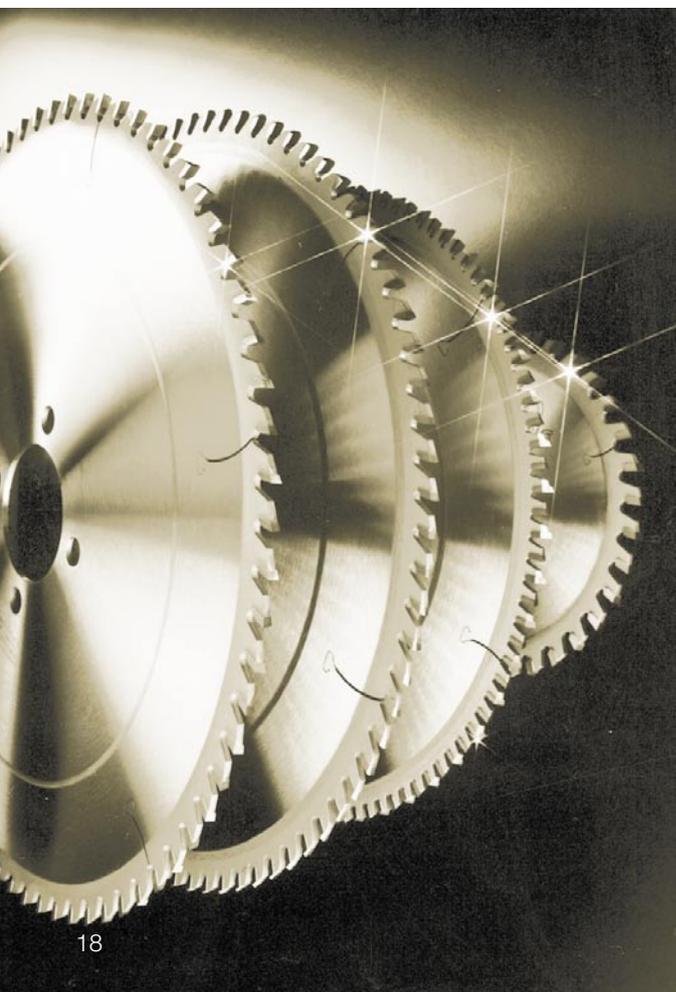
- Precise cutting of the gaskets
- Gasket cutters for sealant-free transom joint
- Universal gasket cutters with perpendicular table; extendible with matrices for different centre gaskets
- Can be used in the workshop or on the building site

### Gasket roller

- Hand roller for simple and controlled gasket insertion
- Roller for centre gaskets
- Roller for façade gaskets

# The perfect cut – diamond saw blades

WICPRO diamond saw blades optimise the cut. The quality of the product is most obvious when used intensively and provides excellent results over its entire service life. The saw blades can be re-eroded up to five times. An assembly height of 5.6 mm gives blade optimised stability. The tooth design alternates between a flat tooth and a trapezoid tooth. The premium quality when operated in concentricity and in axial run-out has a positive impact on the wear resistance.



## Advantages of the WICPRO diamond saw blades at a glance

- Up to 40 times the service life of conventional metal saw blades
- Cost savings due to having to change tools less frequently
- Burr-free cut – further processing of the profiles without the need for additional deburring
- Can also process fire protection profiles without changing tools
- Tool change for re-sharpening purposes only necessary 1-2 times a year, even in the case of intensive use – saves a great deal of time
- Longer service life equals lower tool costs

# Optimum results thanks to extensive know-how

According to this motto, we also support you in training and further education-related matters, as it is only by doing this that you can most benefit from the advantages offered by WICPRO.

Our trainers are happy to visit you at your business premises and help you to familiarise yourself with our products. You can also opt to focus on relevant points by agreeing these with the WICONA trainer in advance. Our trained professionals demonstrate the WICONA Unisys principle, show how the individual components fit together, and how you can best take advantage of this package to satisfy your needs.

In addition to this individual support, there are various special seminars to which we would like to invite you. The topics covered are taken, for example, from the areas of assembly and building connections or deal with the standards currently in force or the CE marking. You can register both yourself and your colleagues to attend these events. The concept relies on your participation. At all of the events, we combine technical explanations with practical exercises.

What is more, we are also there to assist you with optimising and planning the work procedures in your workshop by providing you with professional advice and active support.



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TECHNOLOGY FOR IDEAS

Tools/workshop equipment

## WICPRO®

**Hydro Building Systems GmbH**

Söflinger Straße 70

89077 Ulm/Donau

Germany

Phone +49 (0) 731 3984-0

Telefax +49 (0) 731 3984-241

[www.wicona.com](http://www.wicona.com)

[2496/01008919](https://www.wicona.com)

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