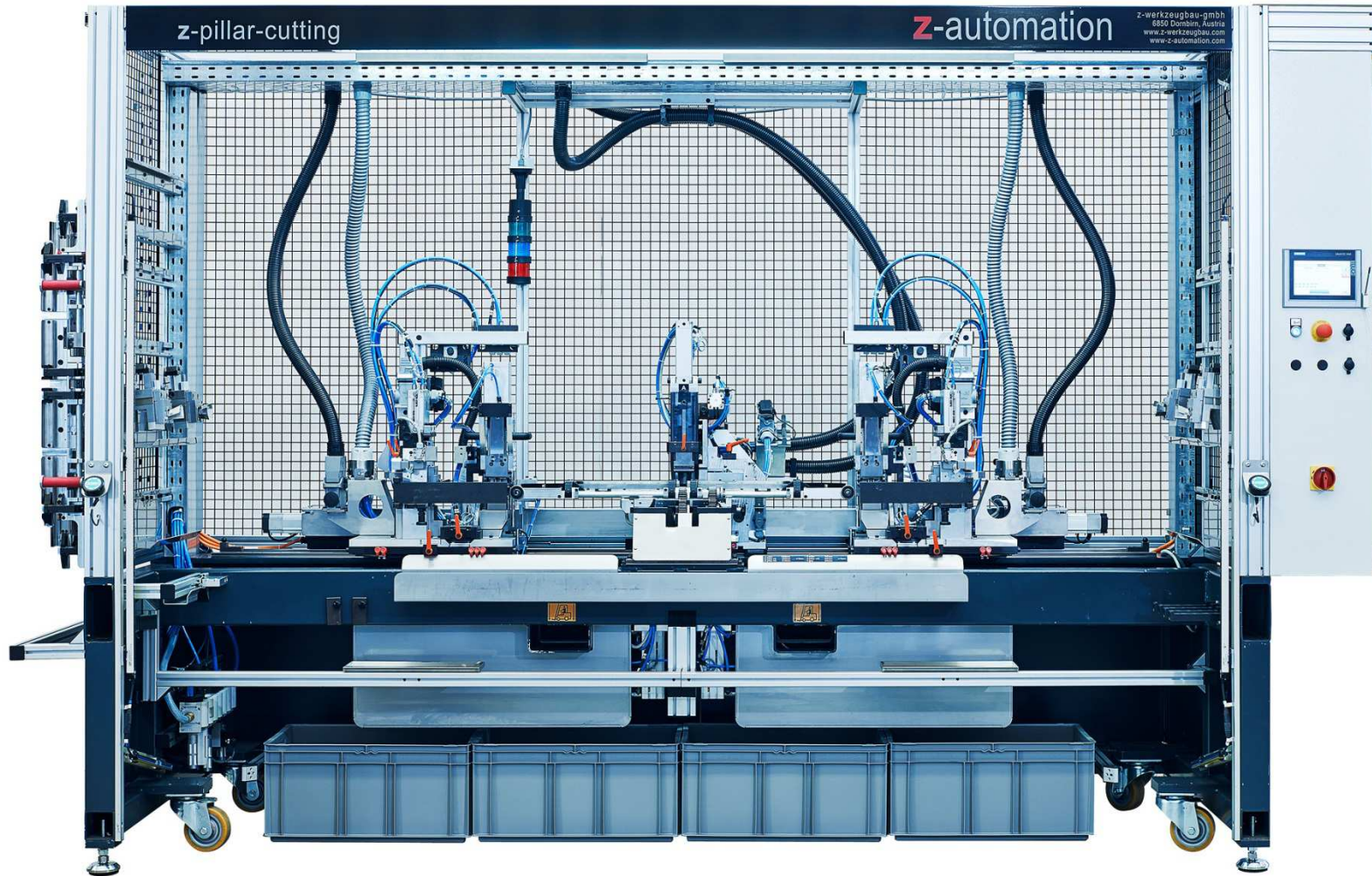


z-automation[®]
INSPIRING PARTNER

UNIVERSAL PILLAR CUTTING SYSTEM

z-pillar-cutting



z-pillar-cutting

Universal production system for glass-run pillar seals

Production system with high process reliability for carrierless pillar seals with tightest tolerances

Typical pillar profiles are notched in a single clamping setup: stepped end cuts, if required also with longitudinal cuts, window notching, etc.

Due to the quick-tool-change interface, the system can be set up for different profile cross sections and products within a few minutes.

Left and right parts at one go from one double raw length profile

Typically, double length profiles are processed into left and right products, ensuring an efficient extrusion or raw cut process. Of course, option to produce only left or right parts can be selected at the operator station.

Durable investment: universal machine – product specific tools

The system can be set up for a new product within a few minutes due to standardized quick change interfaces for tools and intake equipment.

Sophisticated profile cross sections

Our experienced engineers have developed product-specific holding fixtures, feeding systems and tools which ensure outstanding results and low scrap rates – even when handling demanding profile cross sections.

Optimized system operation

An ergonomic operator station is a must. We have created a smooth workflow thanks to a system which unloads the processed profiles into a trough in the workroom and which is easy to manually load with raw profiles. Ideally one operator handles two systems alternately.

Maintenance and service

Proven systems, usage of commonly available parts, detailed operating and maintenance manuals and, if required, remote maintenance via online remote control



z-pillar-cutting specification

Profil	Product length \leq ~850 mm Cross sections in notching position \leq ~60 x ~20 mm
Technology	<ul style="list-style-type: none">- Universal machine, usable for all common pillar profiles- Easy set up of different products or cross sections due to quick tool change interfaces<ul style="list-style-type: none">- Standardized quick-tool-change interfaces on two levels:<ul style="list-style-type: none">- at the matrix interface ("little set-up" for similar cuts)- complete tool frame including the matrices- Standardized quick change interface for product specific intake-, clamping- and ejection equipment: Specific holding fixtures for profile cross sections can be easily set up manually.- Produce right and left parts from double-length raw profiles, separate mode for "just right" or "just left" parts- Automatic unloading of processed profiles in troughs, separated into right and left products- Cycle time from "inlay of raw profiles" to "removal of finished profiles" including machine cycle typically ~30 s (depending on profiles) – mere machine cycle time typically ~15s- Exact positioning of all notchings via NC-axes- The control systems holds specific parameter sets for each profile, determining processes and positions for all tools involved – these parameters can be altered at any time via the user interface
Manufacturer	z-werkzeugbau-gmbh, Dr.-Walter-Zumtobel-Strasse 9, 6850 Dornbirn, Austria

z-pillar-cutting optional features

- Preparation for additional middle notching tools – required for complex split cuts for left and right parts
- Production mode „just left / just right parts“
- Soft-touch start button at movable stayer
- Maintenance via online remote control



z-pillar-cutting profile-related tools

- Cutting tools
upper and lower end cuts
if required also stepped or with longitudinal cuts, window notching, etc.
- Manual set up of tools via standardized quick-tool-change interfaces
- Profile specific intake-, clamping- and ejection equipment

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