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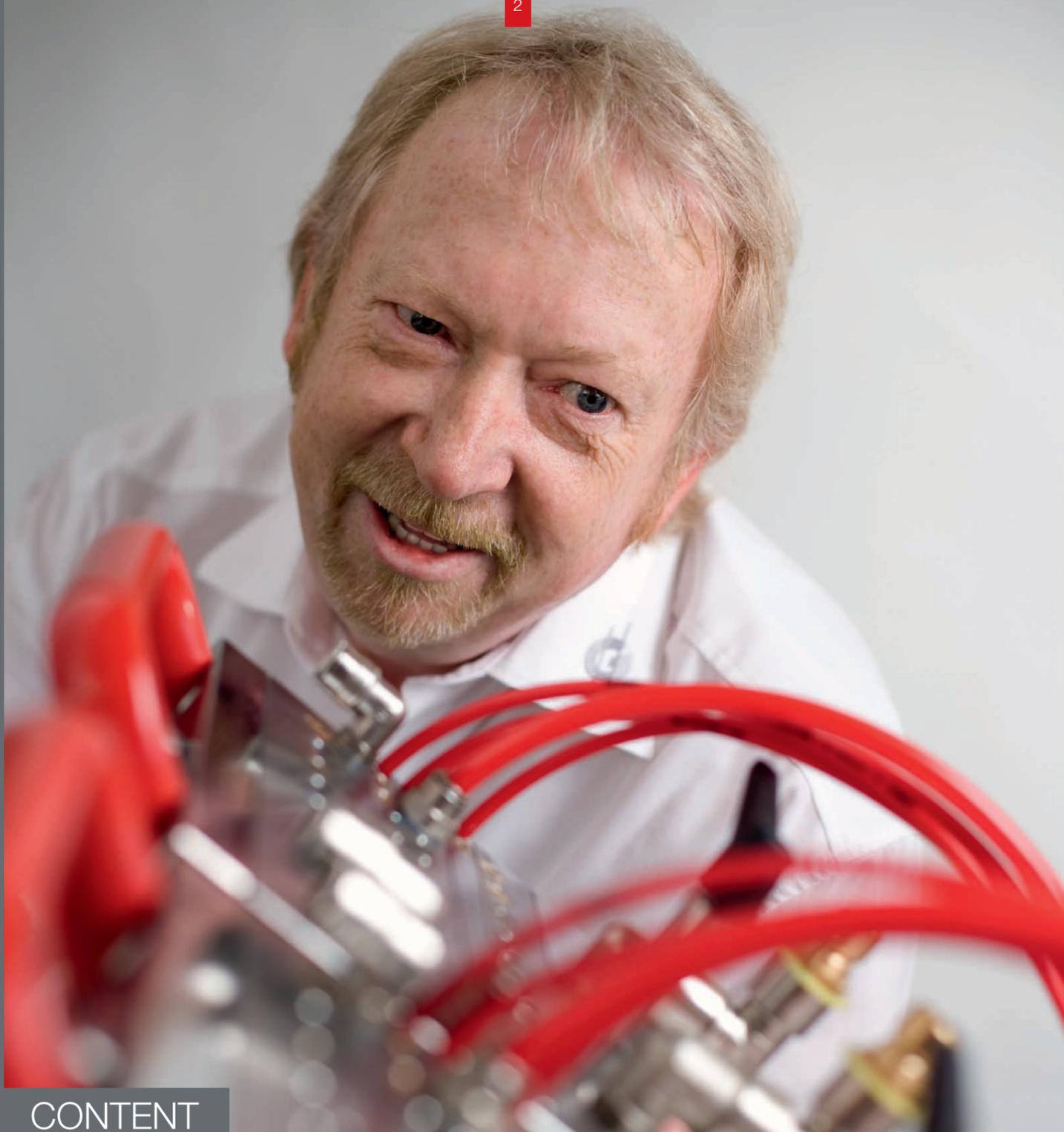
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PARTNERS FOR
SUCCESS.

THE
WORLD OF PROFILES.

INDIVIDUAL – INNOVATIVE – INTELLIGENT.

PARTNERS FOR
SUCCESS.



CONTENT

GREINER EXTRUSION.

PARTNERS FOR SUCCESS

WELCOME TO THE WORLD OF PROFILES

Your process security for premium profiles is our prime task. It is one we meet with high quality solutions for profile extrusion. All our products and services aim at your production success. We pride ourselves that our window profile extrusion tooling is the most extensively used worldwide. Greiner extrusion competence is not only valuable thanks to many decades of experience, it is ultimately the best value. That is why it is so important for us that you get a paying proposition!

ALL ABOUT

TOOLING.

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SECURITY THROUGH LEADERSHIP



BENEFIT FROM THE VAST EXPERTISE OF THE EXTRUSION MARKET LEADER

Greiner Extrusion is a synonym worldwide for the perfect solution in profile extrusion. Process reliability for high quality profiles. This vision and strategy made Greiner Extrusion the global number one leader in the field of tooling and machinery for the profile extrusion. Wherever you have your production, Greiner Extrusion is your partner ranging from extrusion tooling and downstream units to turn-key plants for the plastic window production.

SERVICE

Safe and universal, ranging from consulting to classical after sales service.

TOOLING

Extrusion tooling: precision to meet your everyday need.

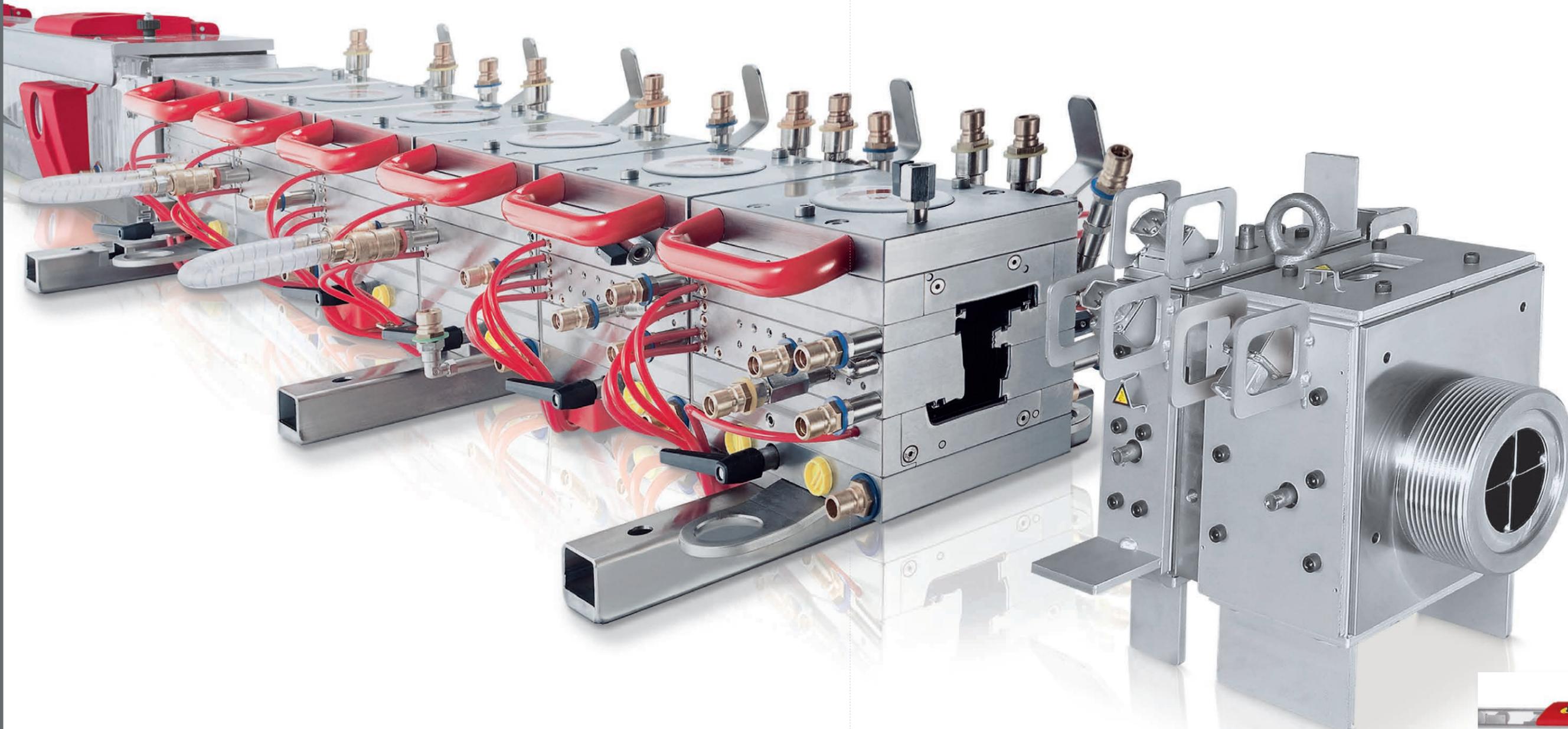
MACHINERY

Extrusion downstream units unrivaled in both reliability and cost effectiveness.

PLANT ENGINEERING

Turn-key plants for the plastic window production.





TOOLING

POWERTOOLING.

HIGHEST POWER GIVING YOU AN EDGE IN PRODUCTION

THE PREMIUM PRODUCT FOR HIGH PERFORMANCE EXTRUSION

guarantees unrivaled efficiency combined with minimal downtime. PowerTooling is designed for different profile geometries and extrusion speeds. The Greiner extrusion specialists guarantee the optimum solution for all customized parameters.

DIE FOR MAIN PROFILES
 With integrated connector plug protectors and support feet



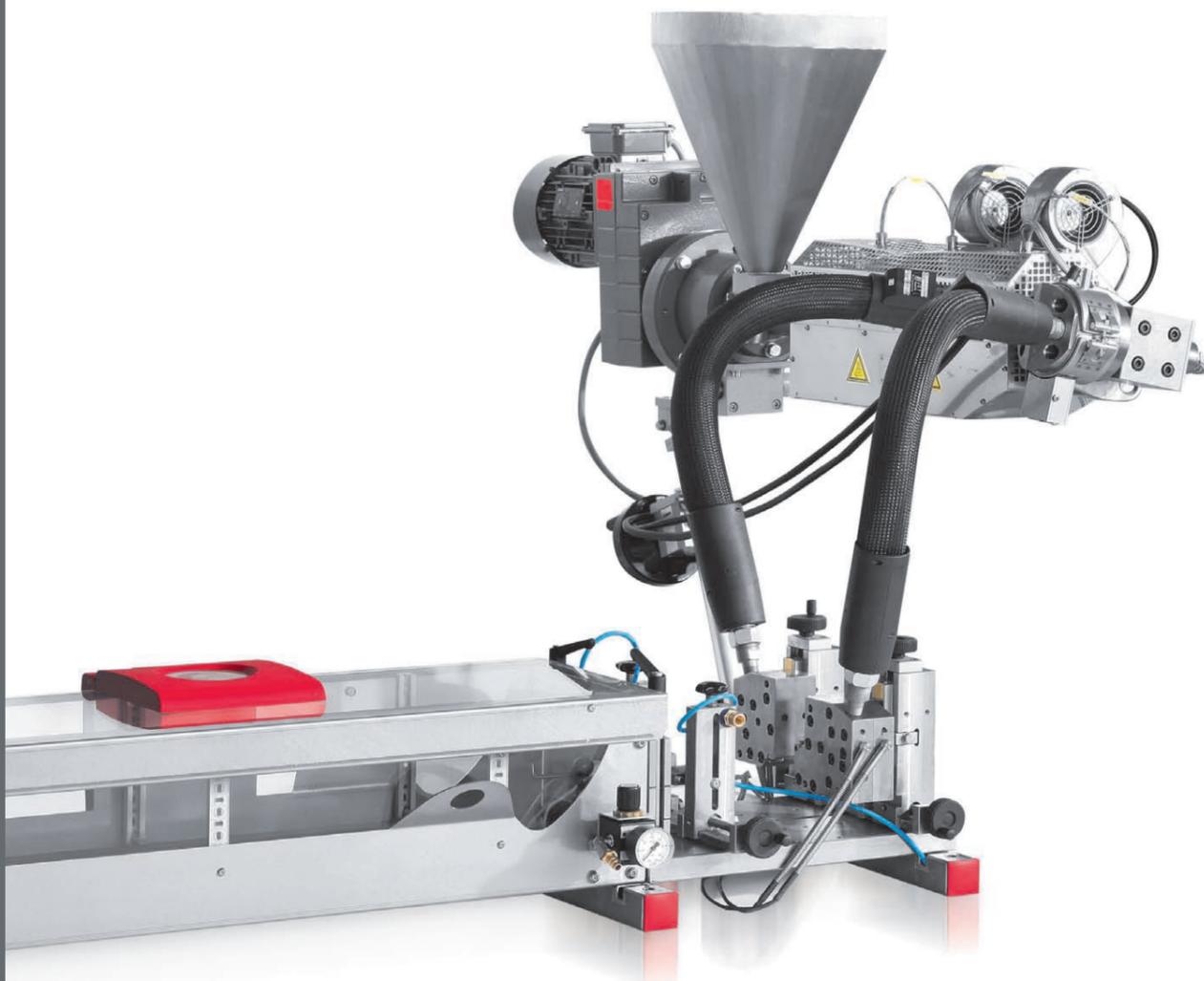
DIE FOR AUXILIARY PROFILES
 Gloss heating with optimized connector plug design, available as an option



LOW WATER CONSUMPTION
 Optimized aquifer system for minimized consumption and stable vacuum

get CARBIDE
 Sintered carbide metal inserts for long service life of the short calibrators





TOOLING

POST-CO-EXTRUSION.

LEADERSHIP THAT CREATES LOYALTY

The post-co-extrusion process patented from Greiner Extrusion (EP 045670, US 5,186,876) has, for many years, formed the most efficient solution for the in-line extrusion of window gaskets. Apart from the conventional PCE process for the production of standard profiles, Greiner Extrusion offers the optimized PCE process. This optimized operation in particular offers clear advantages with regard to the extrusion of main window profiles.

- Multiple use of PCE dies for several profile geometries
- Exact adjustment to the profile
- Marked improvements with regard to handling and operational comfort
- Drastic cut in run-up times
- Rapid achievement of a profile suitable for sale
- Possibility for geometry adjustment

CO-EXTRUSION.

GRINDING STOCK PROCESSING TECHNOLOGIES

As the concept of recycling is increasingly taking hold, it already constitutes a "must" in the profile market. Greiner Extrusion offers co-extrusion technologies attuned to its customers' specific needs. They cover all performance ranges, allowing you to get the ideal solution for your specific situation.

CORE TECHNOLOGY



LAYER



SOLID LAYER



CO-EXTRUSION CROSS ADAPTER
Twin-strand co-extrusion with two main extruders



CO-EXTRUSION
Grinding stock processing technologies

POST-CO-EXTRUSION
Extrusion into the profile

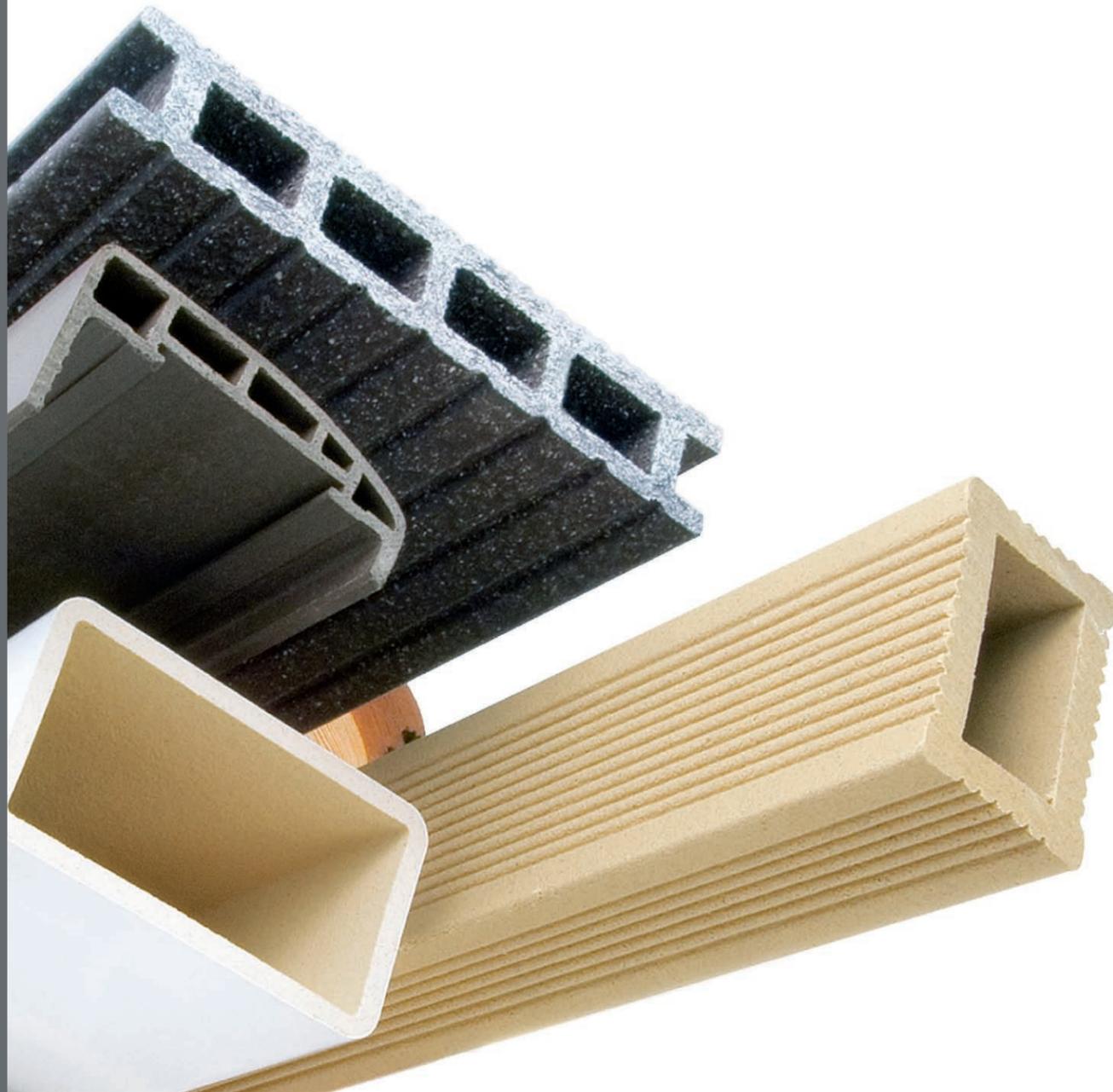


POST-CO-EXTRUSION
Extrusion onto the profile



POST-CO-EXTRUSION
Grooved locking





TOOLING

WOOD-PLASTIC-COMPOSITES.

CUTTING-EDGE TOOLING TECH FOR MATERIALS OF THE FUTURE

INDIVIDUAL SOLUTIONS FROM THE TECHNOLOGY LEADER

Ranging from flooring and decking to door frames – due to the good price / performance ratio, WPC attracts the attention of lots of areas.

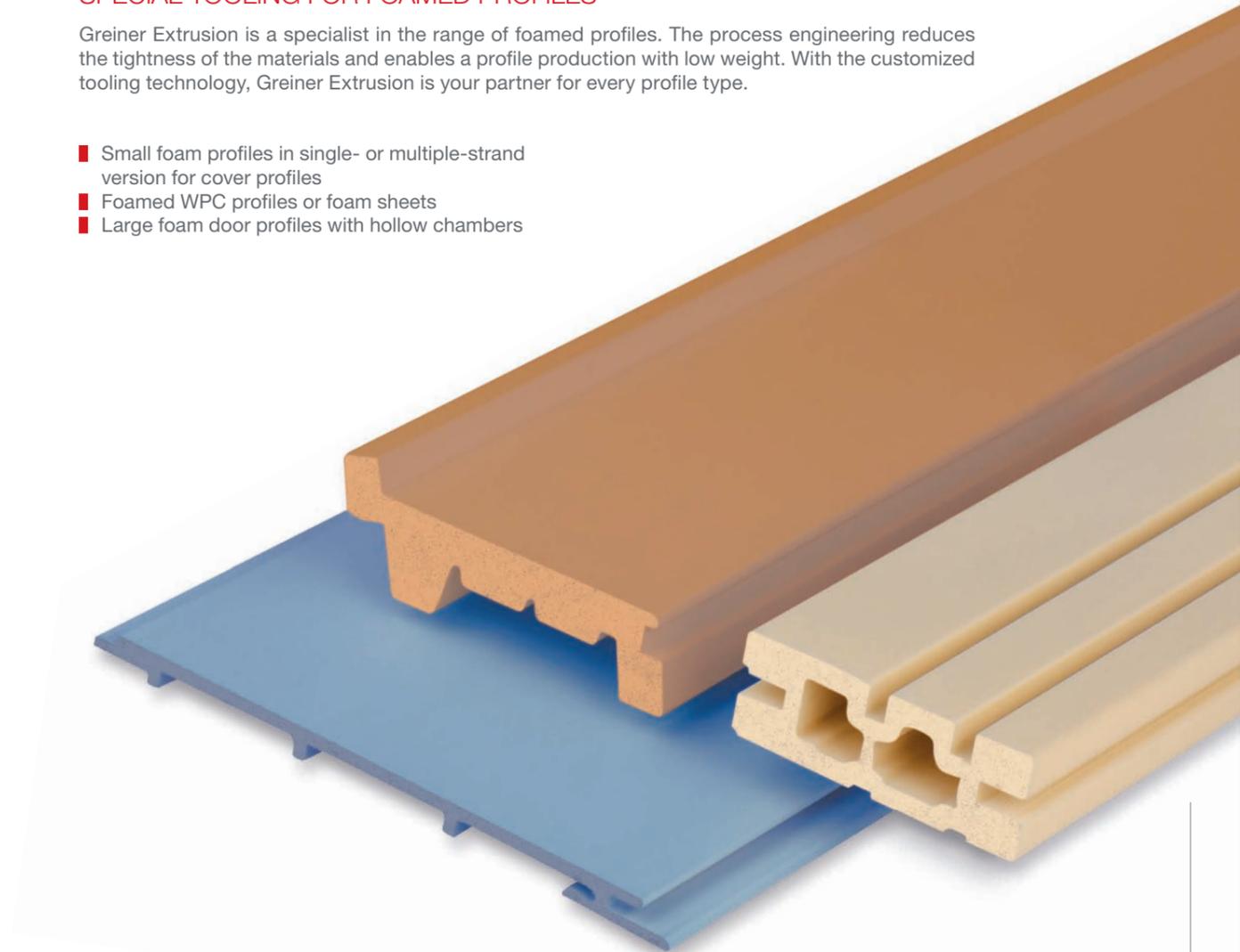
Whatever you want to implement, Greiner Extrusion is your partner. In cooperation with customers, partners, national and international research establishments, Greiner Extrusion developed technologies for numerous applications and has meanwhile acquired extensive experience in the provision of turn-key solutions.

FOAM TOOLING.

SPECIAL TOOLING FOR FOAMED PROFILES

Greiner Extrusion is a specialist in the range of foamed profiles. The process engineering reduces the tightness of the materials and enables a profile production with low weight. With the customized tooling technology, Greiner Extrusion is your partner for every profile type.

- Small foam profiles in single- or multiple-strand version for cover profiles
- Foamed WPC profiles or foam sheets
- Large foam door profiles with hollow chambers



FOAM

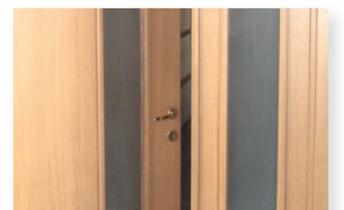
WOOD-PLASTIC-COMPOSITES
Different profile types

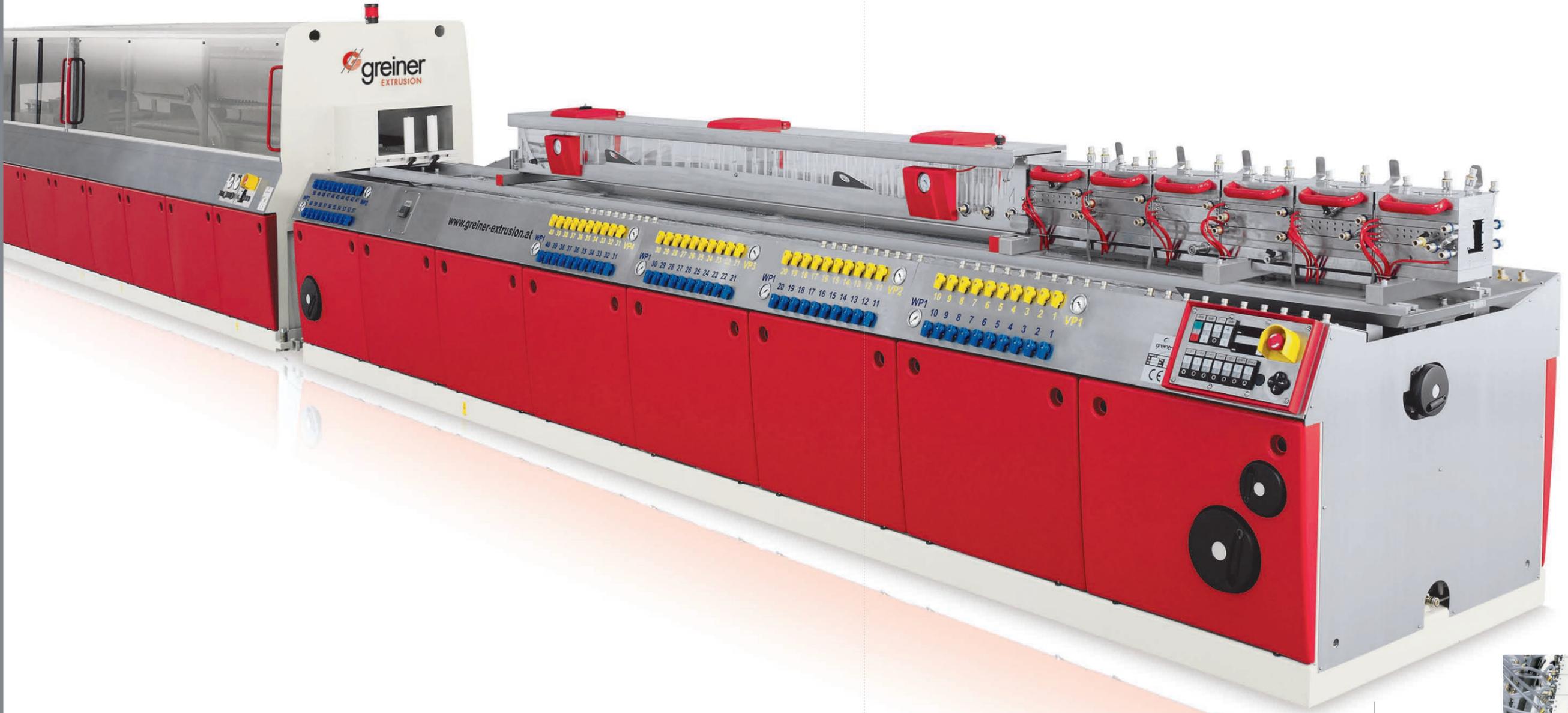


WOOD-PLASTIC-COMPOSITES
Decking profile with inline embossing



FOAM DOOR PROFILES with
hollow chambers for modern and economical door production





MACHINERY

GET.IN-LINE

DISCOVER REAL POWER WITH OUR EXTRUSION DOWNSTREAM UNITS

THE HIGH-PERFORMANCE MODULAR SYSTEM FOR YOUR PRODUCTION PROCESS

Producing profiles in high quality, fast and to your specific needs. The further development of our successful profile extrusion downstream system get.IN-LINE sets new benchmarks.

With our modular system, you get an extrusion downstream line according to your specific production demands:

get COM
Combined haul-off and cutting unit



get PUL
Haul-off

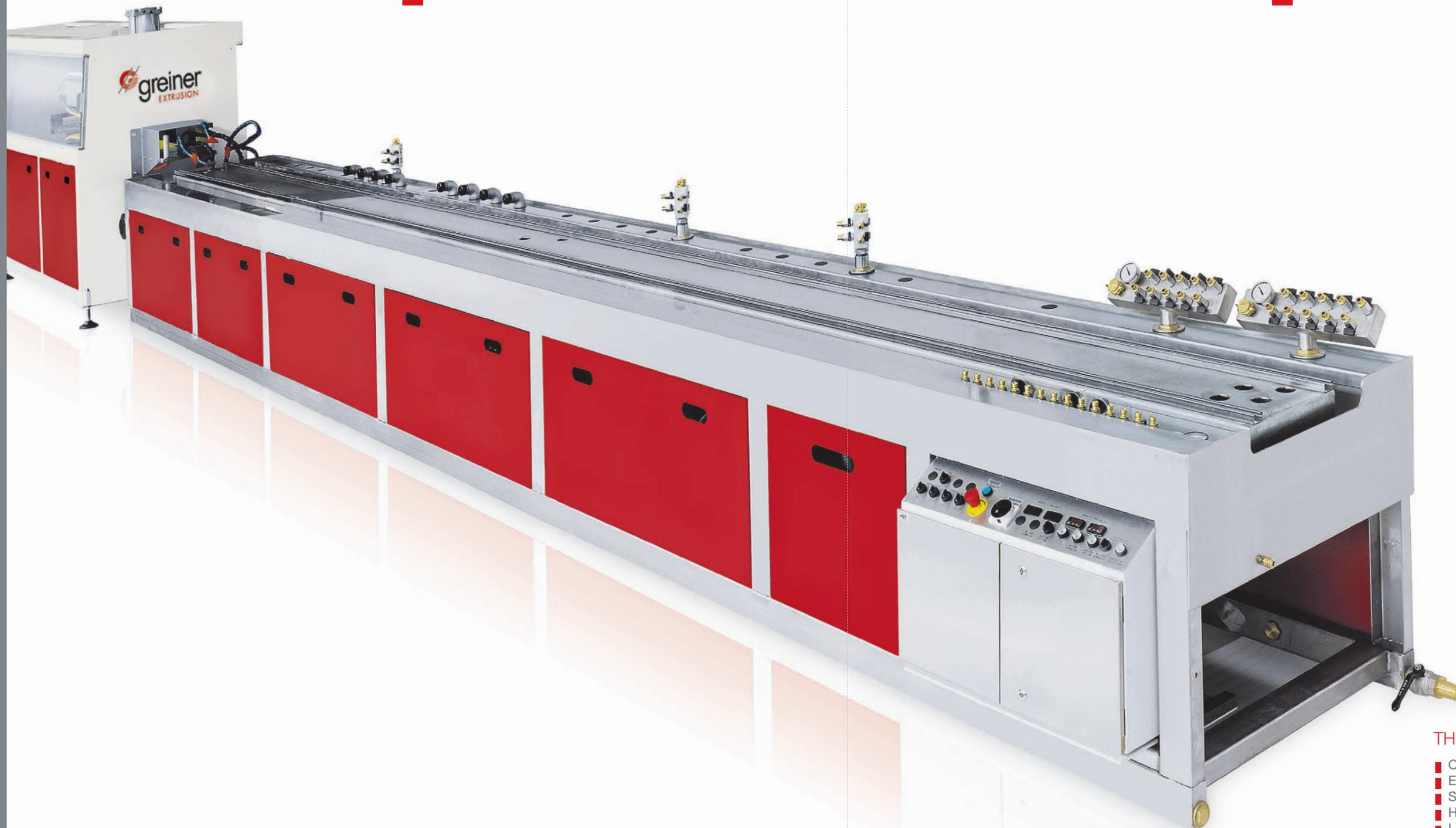


get CAL
Calibration table

get IN-LINE
Also in dual and twin strand configuration

get CUT
Cutting unit (cutter or saw)





THE SMART BENEFITS

- Optimum price / performance ratio
- Easy to use and maintainability
- Short delivery time
- High process reliability
- Long life time

MACHINERY

SMARTLINE.

SMART TECHNOLOGY! SMART PRICE!

THE STANDARD DOWNSTREAM UNIT FOR MAIN- AND AUXILIARY PROFILES PRODUCED IN THE SINGLE-STRAND METHOD

The highly standardized downstream line, available with the most common options inspires with an unparalleled value for money. The line is perfectly attuned to the Greiner's tooling type PowerTooling, but is also compatible with the most common tooling products.

SMART.COM
Haul-off and cutting unit with saw as standard, cutter as option

SMART.CAL
Calibration table, optional available in 6, 9 or 12 m





MACHINERY

WIDE EXTRUSION LINE.

FOR THE ECONOMIC PRODUCTION OF MODERN PVC DOORS

OPEN THE DOORS TO A PRODUCTION ENVIRONMENT THAT IS BOTH SIMPLE & SUCCESSFUL!

Greiner's wide extrusion line stands out thanks to its excellent cost effectiveness and also to its superior user-friendliness facilitated by its low height and ergonomic design.

- Available in 2 versions (width: 600 or 1000 mm)
- Complete with calibration table, haul-off unit and saw

CO-EXTRUDER.

HIGHLY FUNCTIONAL, SIMPLE HANDLING

The Greiner Co-Extruder is the ideal solution for the production of into- or onto-extruded gaskets made of soft PVC, TPE or other extrudable elastomer. Furthermore, the co-extruder is used for processing hard-PVC to a grooved locking.



CO-EXTRUDER TOUCHSCREEN
Simple and clearly arranged operation



TYPE T
For flexible handling



TYPE F
Space saving





FULL SERVICE

PLANT ENGINEERING.

COMPLETE SOLUTIONS FOR THE PLASTIC WINDOW PRODUCTION

ADVICE & CONSULTING

- Feasibility studies
- Market analyses
- Profitability studies
- Cost planning
- Financial consulting

PLANNING & DEVELOPMENT

- Window and door system development
- Development of technical profiles
- PVC formulation proposals
- Extrusion line layouts
- Plant layouts

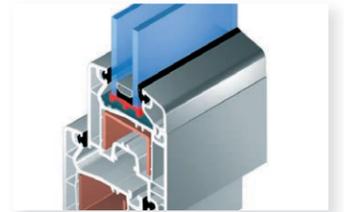
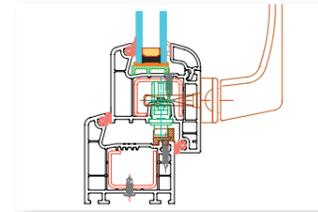
REALISATION & SERVICES

- Turn-key project management
- Complete plant and machine installations
- System and machine documentation
- Employee training
- Life cycle services



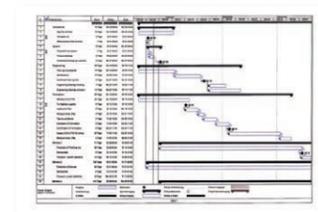
WINDOW SYSTEM CONSULTING

Development of concepts – ready for production – PVC window- and door production.



PLANT PLANNING

Layout and detailed planning through Greiner experts.



REALIZATION

Greiner experts take care of the project management, offer technical advice and assure a mounting on schedule

SERVICE

Advance from the first day: Range from start-up on site and trainings to maintenance





SERVICES

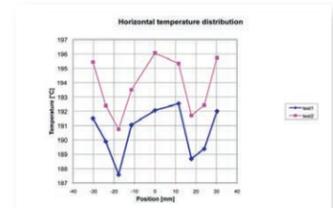
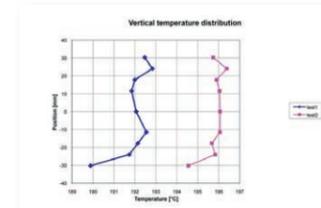
GREINER SERVICES.

SECURITY THROUGH LEADERSHIP

SERVICE FOR YOUR PRODUCTION SUCCESS

With continuative service Greiner Extrusion made the plastic extrusion successful.

- Tooling optimization & tooling repair
- Profile system consulting
- FEM calculation, e.g. sealing simulations, U-value/isolines...
- Individual training and training programs
- Reliable and fast spare part service



TEMPERATURE MEASURING PROBE
For the measurement of the temperature distribution during production

getU SOFTWARE
For customers for analyzing the environment and independent error recovery

FEM CALCULATION
E.g. sealing simulations, U-value/isolines...

TEMPERATURE DISTRIBUTION
Vertical and horizontal temperature distribution

TRAININGS
Training in theory and in practice with special programs

