



ROLLFORMING SYSTEMS.
TOOLS. SERVICES.

XELLAR®



ONE SYSTEM.
ANY PROFILE.

THE FUTURE'S PROFILING SYSTEM. IT IS HERE ALREADY.

Our XELLAR profiling system is extremely flexible and adaptable thanks to its patented structure of individual manufacturing modules and intelligent details. We are proud to call this „smart profiling“.



INNOVATION IS AT THE CORE OF XELLAR



User-friendly and secure.

With XELLAR, we are taking rollforming to the next level: The enclosure of the modules makes the production process safe, emission-free and noise-free.

The unique, ergonomic design also ensures comfortable and age-appropriate working.



Sustainable and efficient.

While the roll forming process is always material-saving, XELLAR with its energy-saving, servomechanical drives enables true, sustainable profiling.

The control and data signals are transmitted via the BUS module to the ProfiNet system of the control system enabling maximum efficiency.



Modular and expandable.

Flexibility is at the heart of our system: The modules can be changed à la Plug & Play in no time and can be easily transported thanks to their width of only 2100mm.

The standardized modules for cutting, punching, roll forming and longitudinal seam welding in three different sizes meet all requirements for state-of-the-art roll forming - and can be individually expanded.



The right choice for your profile: roll forming

Profiling or roll forming describes the forming of ferrous or non-ferrous metals in successive forming stages to produce a finished profile with the desired cross-section. The roll-forming tools used for this purpose are rollers with corresponding geometries which gradually shape the sheet metal strip.

Roll-formed profiles have clear advantages over extruded and edged profiles. Profiling by roll forming is fast, economical and variable.

High processing accuracy and low tolerances ensure that the workpiece can also be further processed very well by automation. In addition, the processing of higher-strength and ultra-high-strength materials is possible and production is more environmentally friendly.

ROLL FORMING, PUNCHING, CUTTING AND MORE. ON ONE PROFILING LINE.

XELLAR-PUNCH

The punching module consists of an all-round safety guard with a lifting door on the front and an integrated Makrolon pane and safety switch. The accessibility of the module is well thought-out, ergonomically designed, and easy to set up. An automated waste transport system discharges punching waste into designated containers. Integrated lighting allows the punching process to be observed when the lift door is closed.

XELLAR-LOOP

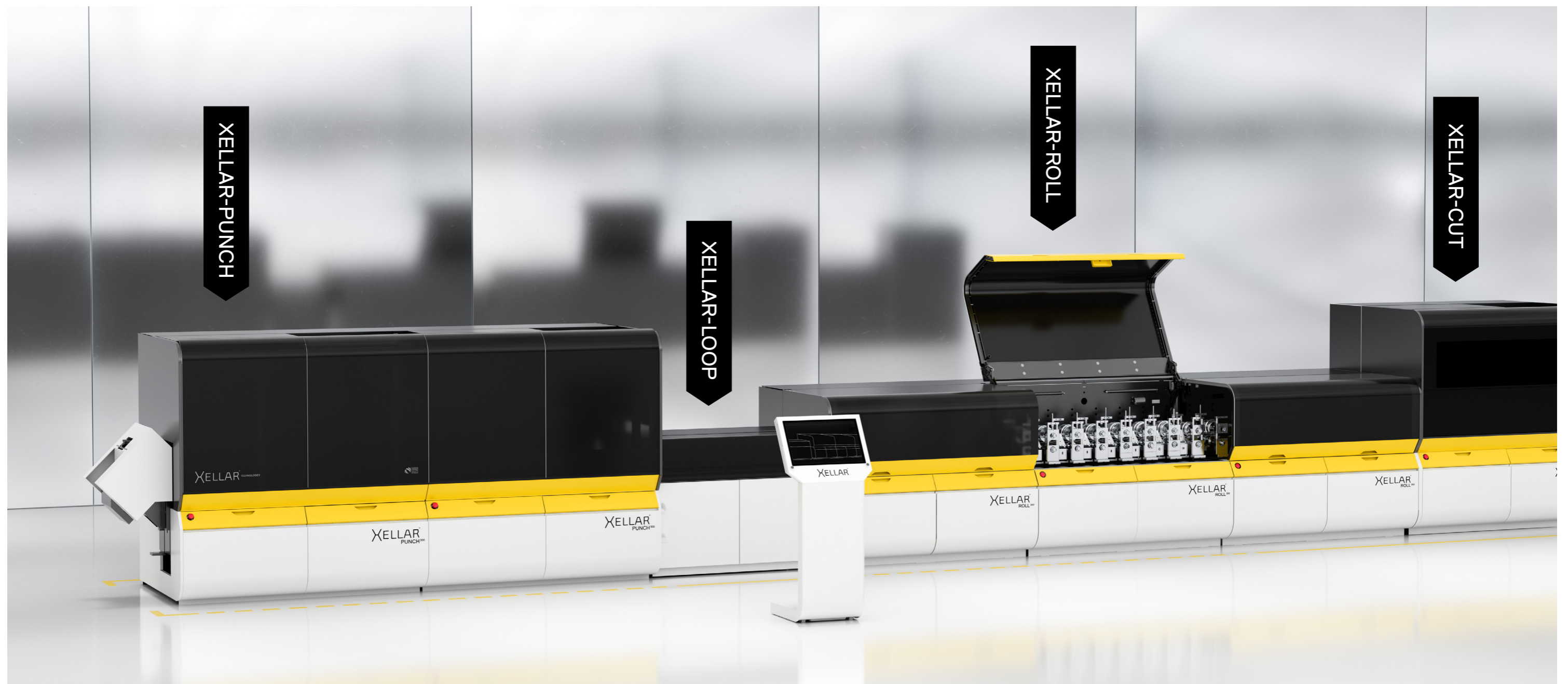
The strap loop module is an enclosed, ergonomic and emission-free strip accumulator and offers an alternative to conventional strip loops with pits. It represents the link from diecutting module to roll forming module and enables discontinuous diecutting with continuous roll forming.

XELLAR-ROLL

The roll forming module combines modern sensor technology and process support, ergonomic design, and emission-free and safe encapsulation with well thought-out accessibility. Thanks to the integrated lighting, the roll forming process can be easily observed in the roll forming module, each with its own drive.

XELLAR-CUT

The cut-to-length module is designed for the continuous production process and cuts the profiles as they move. Controlled by a measuring system, the tool slide accelerates to production speed by means of a highly dynamic servo drive, cuts the profile and then returns to the starting position.



THE RIGHT SOLUTION FOR YOUR INDUSTRY



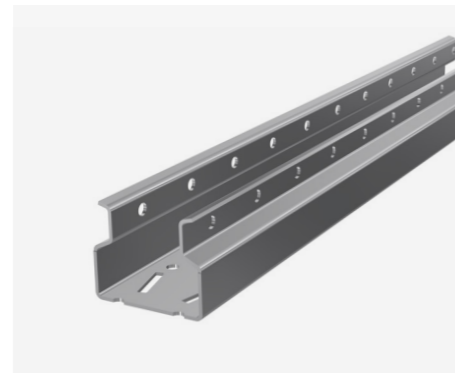
Mobility

Automotive, aeronautical engineering, railroad and shipping, agricultural technology



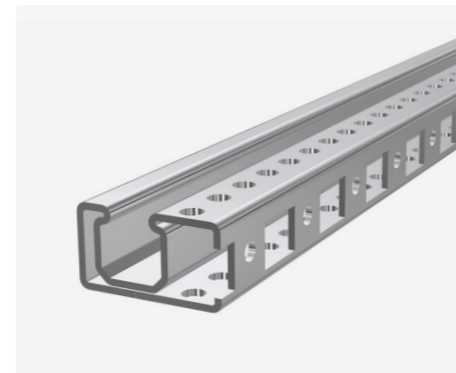
Construction

Fastening and conveying technology, facade construction, sanitary, heating, gates, doors, fences



Air conditioning

Glass industry, sun protection; ventilation technology, window industry



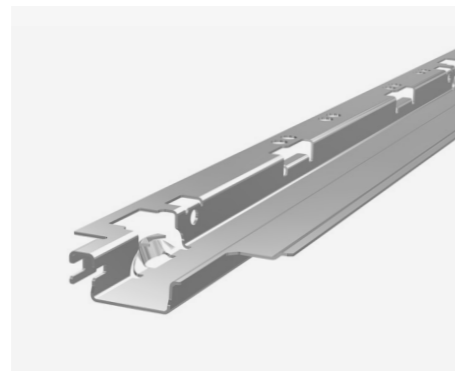
Renewables

Photovoltaics, solar thermal, wind power, hydropower



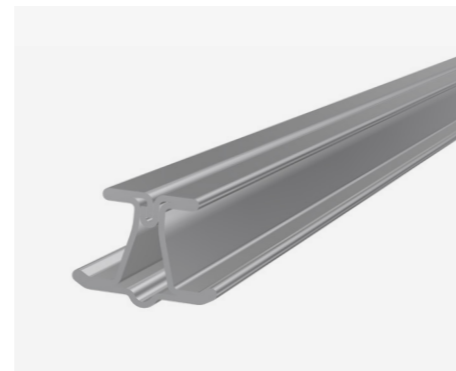
Electronics

Ribbon lighting systems, switch cabinet technology, cable duct systems, supporting rails e.g. LED



Interior

Shelving technology, furniture industry, white goods, partition wall systems



Our profiling machines from XELLAR provide a solution for every roll-formed profile. In addition to our own profiling system, we also offer individual special systems for special challenges.



Scan to learn more about our custom solutions.

WE THINK ROLL FORMING FURTHER. AND FURTHER.

PRECISELY FITTING PROFILING TOOLS

Precision is in our blood: With high-precision profiling rolls, punching stamps, knives and dies, your line runs smoothly. The optimized tools ensure perfect roll forming. Thanks to process simulation of your forming process and corresponding 3D measuring methods, we ensure quality. The quality control includes a one-hour test run, a standardized acceptance protocol and instruction of your operating team.

TRAINED SERVICE TECHNICIANS

Our experienced roll forming specialists take care of the optimal adjustment of the roll forming tool as well as regular maintenance. We do this for our products, as well as for third-party units.



OUR BEST SERVICE FOR YOU

Your system runs and runs.

After your roll forming line is up and running, we continue to be there for you: with our service, maintenance and repair of equipment, supply of spare parts, CE certification, retrofits or even through online remote support.

With modern simulation.

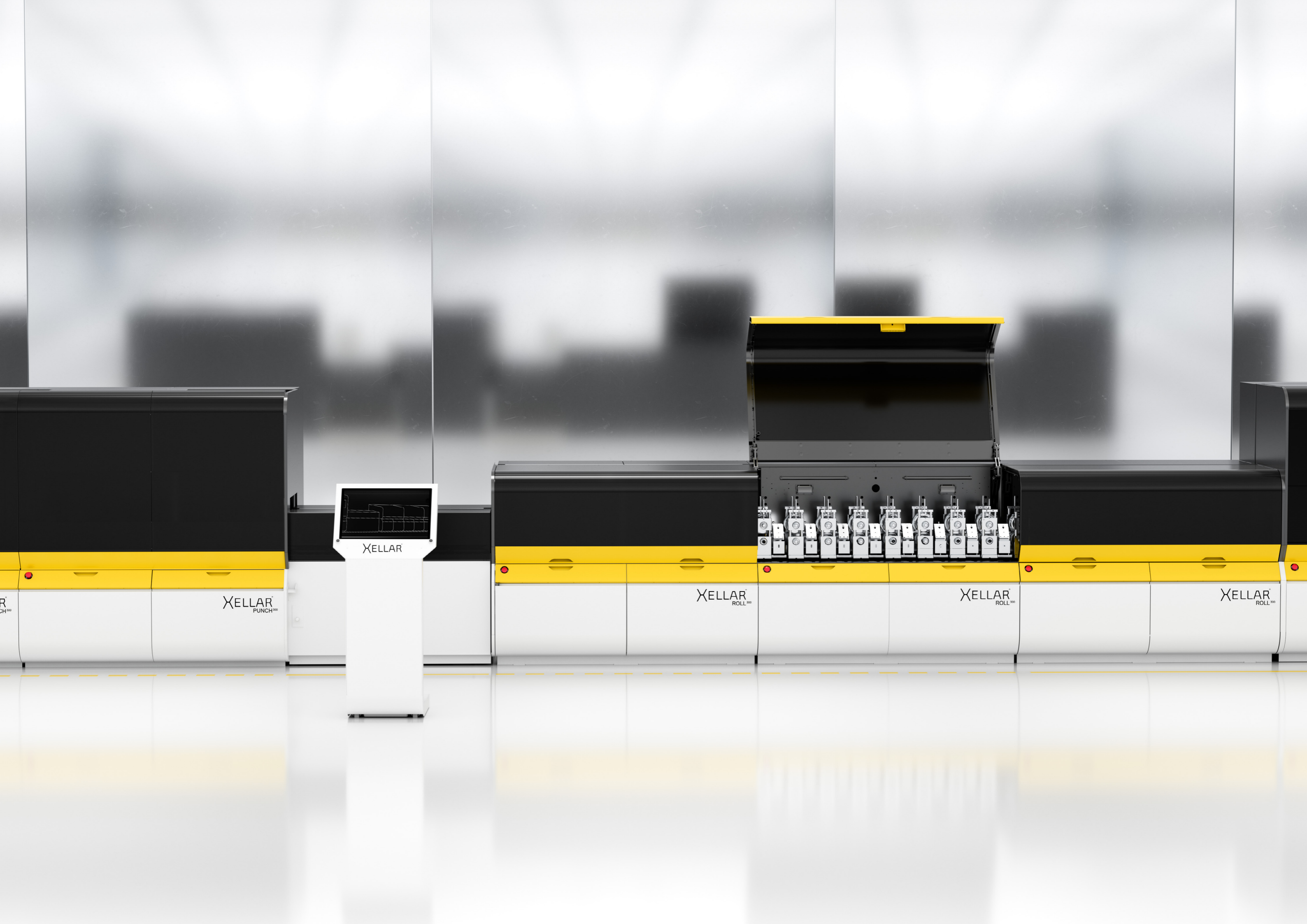
For the process simulation of your components and tools, Xellar has the most modern analysis tools and the corresponding expertise at your disposal. Forming simulation from the coil to the roll-formed profile or a load simulation of the finished component (component and product simulation), we will be happy to calculate and analyze the answers to your questions.

We train your team.

Our practical training courses - at your site or at ours - ensure that your staff is well equipped for the daily operation of our roll forming systems for high system availability.

For highest efficiency.

To optimize the energy consumption of your roll forming lines, the continuous (roll forming) and discontinuous (punching and cutting) process steps are coordinated. Recovery and regeneration are implemented via the energy management system in the control cabinet. This smoothes out power peaks and reduces the peak load of the equipment. Energy optimization is possible for both existing plants and third-party units.



XELLAR

XELLAR
PUNCH³⁰⁰

XELLAR
ROLL³⁰⁰

XELLAR
ROLL³⁰⁰

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ROLL³⁰⁰

