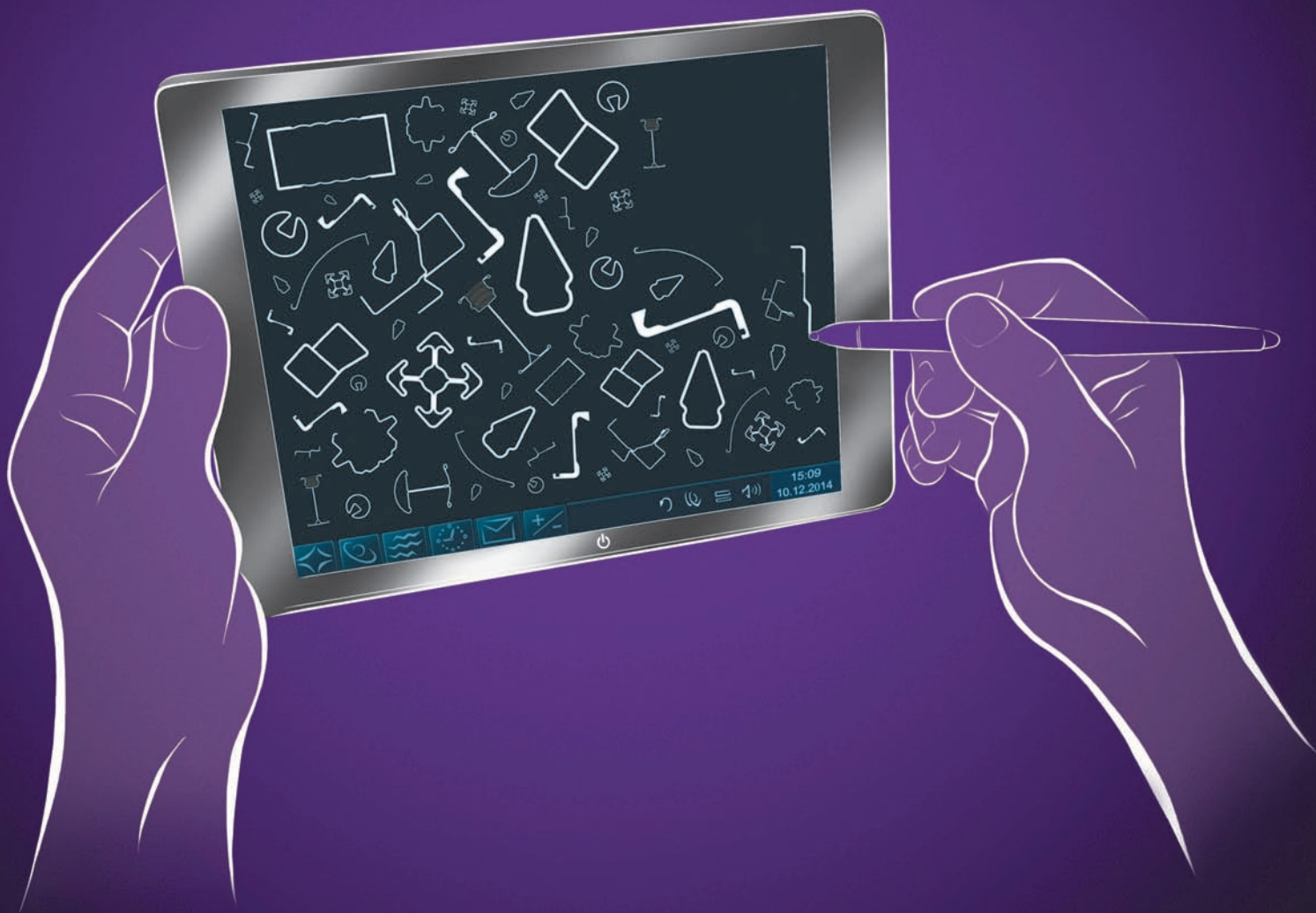
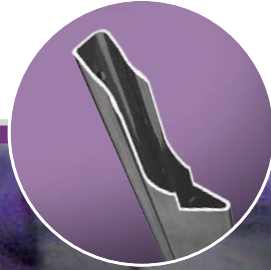


We make
the impossible possible



Bespoke solutions for a wide variety of applications



Forming Capabilities

- Open and welded special metal sections, as well as complete systems, tailor-made to each customers individual requirements.
- More than 60 roll forming lines with over 60 different roll forming stages.
- Strip thickness from 0.3 to 8.2 mm, strip width up to 800 mm, profile length up to 27,000 mm, profile height up to 220 mm.
- Cross sectional optimisation: The cross-section can be selectively thinned to reduce weight.
- Profile splitting: Profile features can now be split out from the parent shape, producing light, but very strong, complex forms. It is now also possible to vary the width and/or height of a profile along its length.

Materials / Surface Quality

- Materials: cold rolled strip, hot rolled strip, chrome and chrome-nickel steel, hot dip galvanised strip, electrolytic zinc coated strip, zinc/magnesium, coated steel strip, aluminium and coated aluminium and special materials (e.g. copper, brass, titanium, nickel and other high strength steels).
- Tooling and (bending) fixtures are designed around the surface quality of the output material (e.g. organically coated, ground, brushed and high-gloss).

Punching / Embossing Capabilities

- Modular tooling construction provides greater flexibility.
- Interval punching of complex hole

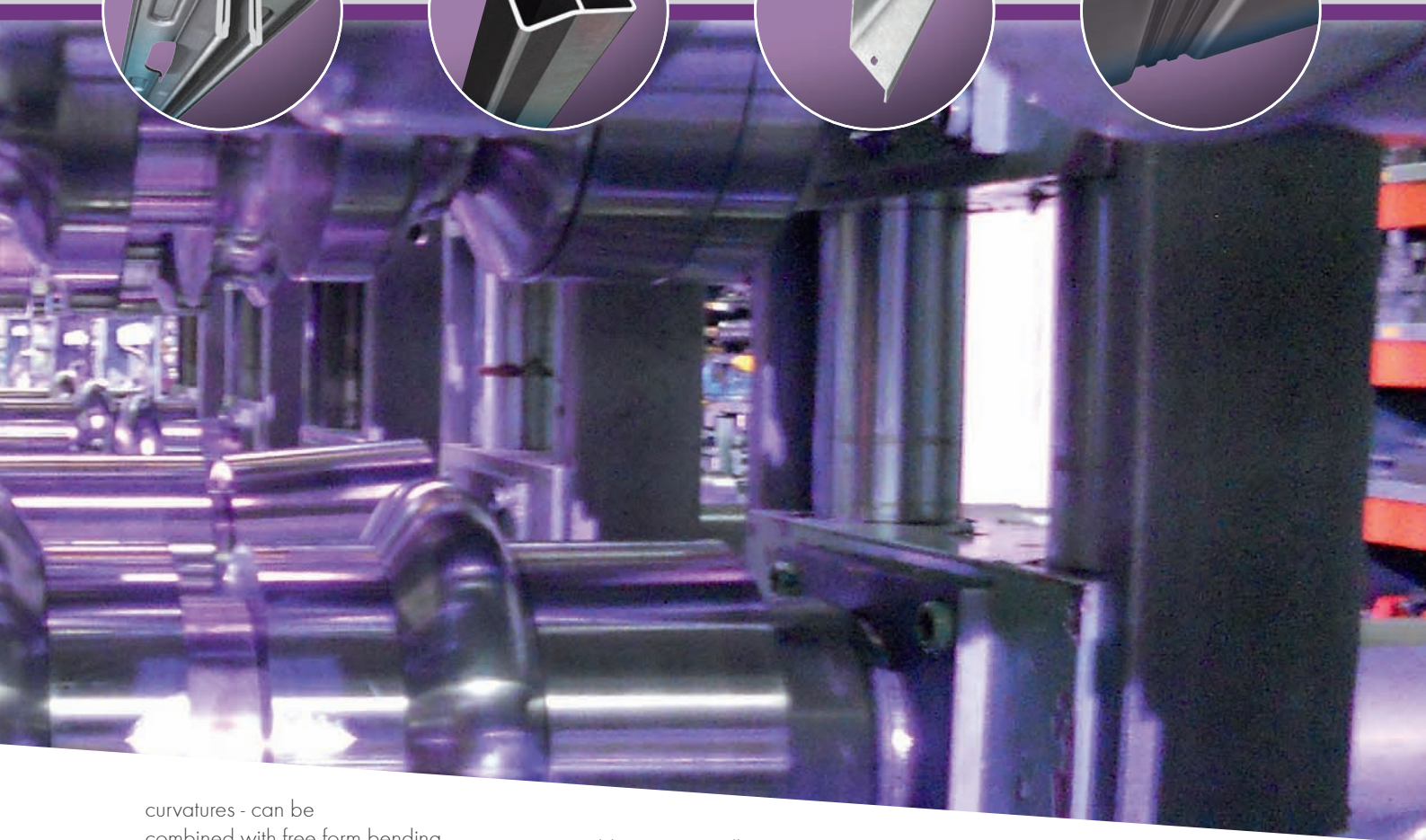
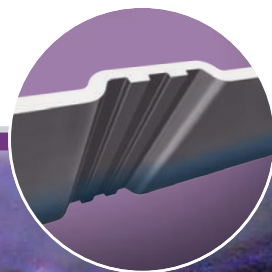
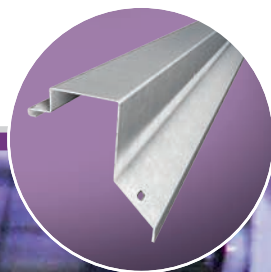
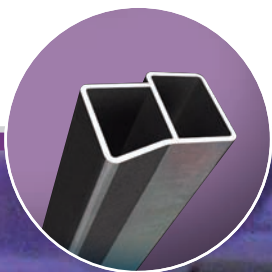
patterns, deep punching and embossing in the flat strip.

- Automatic length correction including 100% length measurement of pre-punched sections.
- Slot punching is possible within the profiling machine.
- Shearing to length and cutting of additional features can be performed simultaneously.
- Entire parts can be produced through our multi-step punching presses.

Bending Capabilities

- Roller Bending: Low cost tooling to perform free-form bending to create complex radii combinations.
- Rotary bending allows bending of very tight radii with minimal cross section deformation even at high

Welser partners you through the challenges of converting complex applications into bespoke metal sections. With our indepth knowledge, unique experience and modern facilities, we specialise in producing the most accurate, economic and efficient solutions customised to your requirements.



curvatures - can be combined with free form bending.

- Stretch bending: optimal for asymmetric, thin-walled, open profiles made from high strength steels.
- Press bending can be an economical method of quickly producing shallow curves.
- On-line bending: Continuous bending performed on the profiling machine, very economic with many opportunities for further processing.

Laser Capabilities

- Laser Cutting: Ultra-modern 5 Axis Machines facilitate complex three dimensional cutting processes. Materials up to 15mm thick and 8.5 metres long can be processed.
- Laser welding: Double headed

welding stations allow us to weld groups of metal sections with differing material thicknesses and steel grades up to 4.5mm thick and 15 metres long.

- Portable CO₂ laser systems allow infinitely long online welding of single or multi-hollow sections directly on the profiling machine, with no additional processing steps.

Cutting Technologies / Profile End Processing

- Cutting on the profiling machine: Hot or cold saws, shearing and waste-free trimming.
- Profile End processing: Various hydraulic manipulation capabilities, de-burring brushes, laser shaping.

- High performance saws.

Downstream Processing

- The degree of downstream processing can be determined by the customer.
- A wide variety of reliable connection techniques, including those to withstand dynamic loading, such as; riveting, clinching, bonding and other pressure joining methods.
- Possibilities to incorporate different materials such as rubber or plastic seals into metal sections.
- Additional robotic MIG /MAG welding stations.

More Value.

Our aim is to provide you with the optimal solution for your application. Sometimes less is more. A complex application doesn't always require a complex metal section – a high value section does not necessarily mean a high cost. Our experts are here to help you.

There's only one area where we don't try to save, and that's Customer Service.

Product Development

- Expertise gained through decades of experience in a wide variety of target markets.
- Support from our own technical sales team, particularly in customer development projects.
- Illustration by our FEM-supported simulation.

Tooling Construction

- All of our tooling is designed and manufactured on-site. This offers several advantages to our customers.
 - » Greater flexibility to make changes
 - » Possibility of ongoing design adaptations
 - » Fast response times
 - » Adherence to deadlines

Logistics

- Security of supply with redundant systems
- Integrated supply and information flow across the whole value added chain.
 - » Just in Time / Traceability
- State-of-the-art logistics solutions within our manufacturing plants.
 - » Economic production
- On-site rail links in Gresten (Austria), Bönen (Germany) and Horn (Switzerland).
- Logistics centre in Horn.
- Product packaging and logistics are optimised to customer requirements.

Total Quality Management

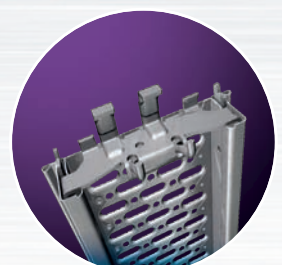
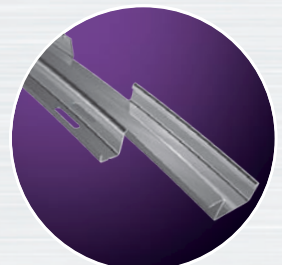
- Feedstock material is inspected by means of
 - » Quality assessments
 - » Inspection certificates
 - » Sample inspections
 - » Supplier audits
- The same standards are applicable to all production sites.
 - » Static 3D co-ordinate measuring machine
 - » Mobile 3D measuring device
 - » Inductive measuring systems
- First article approval
- Customer audits (Process/system audits)

Exclusivity

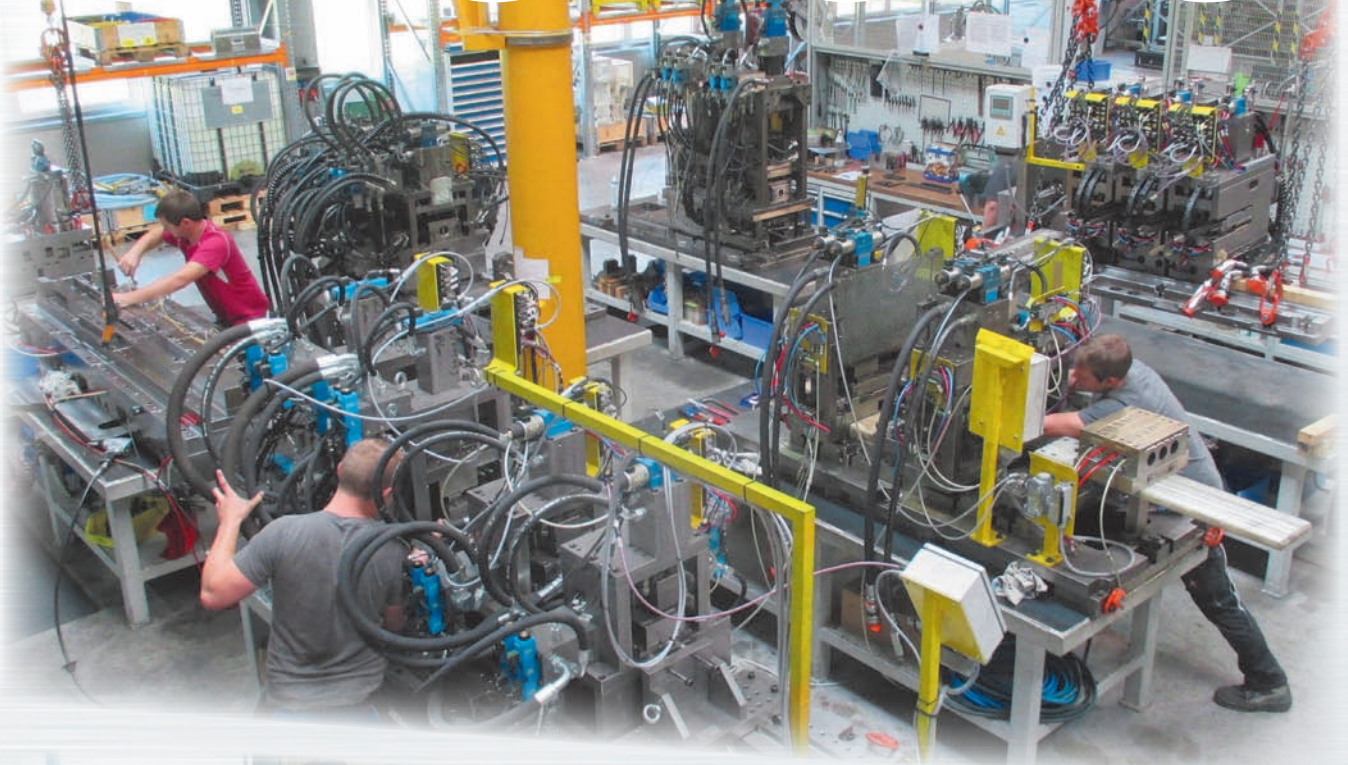
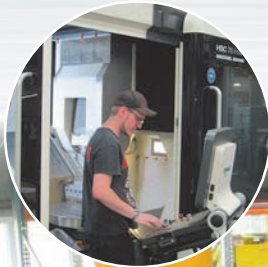
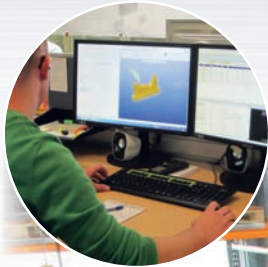
- We guarantee our customer's confidentiality.
- Intellectual property is documented and recorded.
- Simultaneously our customers can benefit from our huge experience in non-exclusive metal section developments.

Quality Certifications

- Processes: ISO 9001
- Automotive: ISO/TS 16949
- Health and Safety: OHSAS 18001
- Environmental: ISO 14001
- Energy: ISO 50001



Investing in our Future.



More than 1800 employees across the sales offices and the 3 production plants in Ybbsitz, Gresten (in Austria) and Bönen (in Germany) are continually working to successfully bring the requirements of our international customers to fruition.

Life takes shape with Welser Profile

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