

**thöni**®

**Moving One Step  
Ahead Every Day.**

Progress





# Eyes set on the future.

Independence and innovation. These are the values on which we, as the Thöni family business, have successfully relied for more than 50 years. "Sustainable, profitable, but with justifiable risk and healthy further growth" was the credo of company founder Arthur Thöni over all these years. And this still applies today. Every day we think ahead and implement our vision with economic prudence, always looking to the future.





# Fore-sight

## **We take responsibility**

Focusing on people and the environment

We feel as committed to our employees, our business partners and customers as we do to the people in our immediate surroundings and the environment. Social, ecological and economic responsibility determines everything we do as a business. This is the basis on which we make our strategic and daily decisions in all business areas. Quality and continuous improvement have top priority for us.

# Pro-gress

## **We invest with foresight**

Innovation makes us independent

We develop and design new products with international top quality and long life cycles in our in-house research department. We invest our know-how in resource-conserving recycling management, process raw materials and waste products, and produce machines and components in our plants that are returned to the production process in the long term.

We also feel a sustainable obligation to the resource of people. The Thöni Academy is our center for training and further education and offers young people innovative opportunities to learn a modern profession in a future-oriented industry and to develop themselves in our company in the long term.

# 1

## Aluminium

We produce a wide variety of extruded products for numerous applications in close cooperation with our customers. Our extensive range of services extends from alloy development to the production of highly refined aluminium components.

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# 2

## Automotive Components

Together with our customers we develop and produce materials and components for a mobile future. We optimize aluminium as a material and provide comprehensive project management.

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# 3

## Environmental Energy Engineering

With our innovative plant technology, we generate the maximum energy from organic waste. We plan, build, install and maintain biogas plants that are in operation worldwide and offer technological competence for full-scale waste digestion solutions.

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# 4

## Machine & Plant Engineering

Plants and special machines, casting equipment plants for extrusion casting and further processing of non-ferrous metals and precision workpieces are manufactured and processed for our customers according to their requirements in the Landeck Metal Works and at Thöni Manufacturing in Kempten.

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## **Hose Products**

We produce hoses for the most diverse areas of application to meet the highest demands. We draw on our experience and continuously develop our products and manufacturing processes.

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# 6

## **All good things come back**

People - Environment - Energy. We invest sustainably in our resources at all levels and keep them in circulation. We focus on achieving sustainability in all areas.

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# 7

## **Aluminium Worlds & Sites**

We offer our products at seven sites in four countries. At our main site in Telfs, the Aluminium Worlds provide an insight into the fascination of the world of aluminium.

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1

# Aluminium

Multifunctional, durable, recyclable.



Renewal

# Versatile material

## Flexibly reusable.

With aluminium we focus on sustainability and produce high-quality aluminium components using resource-saving processes. Thanks to our expertly trained specialists and highly automated production processes, we can guarantee consistently high product quality. From the first idea to product development to the highly refined products, we at Thöni supply **everything reliably from one source.**

**Recasting.** In our recasting plant in Kempten we produce 60,000 tonnes of aluminium billets per year. The plant is one of the most modern of its kind in Europe and supplies the basic material for a variety of aluminium components. The raw material consists of around 80 % aluminium scrap.

**Extrusion.** Our extrusion facilities are the most modern in Europe and they are essential to the production of high-precision aluminium components. All profile cross-sections are extruded on one of our five extrusion presses with a force of between 12.5 and 55 meganewtons (MN). These components are then incorporated into vehicles, furniture, buildings, machines and other application areas.

**Surface Treatments.** High-grade anodization, powder coating and pickling/passivating not only enhance the appearance of the profiles but also provide optimum surface protection. Our state-of-the-art anodizing works guarantee flexibility, quality and speed.

**Processing.** Thanks to our modern and extensive machinery, we are able to offer a wide range of machining processes, including sawing, die-cutting, milling, and vibratory grinding. In addition, we develop product-specific production lines on customer request.



## Data & facts

5 extrusion presses with a pressure force of 12.5 MN, 16 MN, 25 MN, 32 MN and 55 MN

Profiles with a weight per linear meter from 0.15 to 25 kg

Profile widths of up to 440 mm

Profile lengths of up to 12 m

Alloys EN AW 6060, 6063, 6005A, 6082

Customized profiles and products

Surface treatments such as anodizing, pickling/passivating and powder coating

Extensive possibilities for mechanical processing

**Individual support for our customers  
in technically optimizing their product**

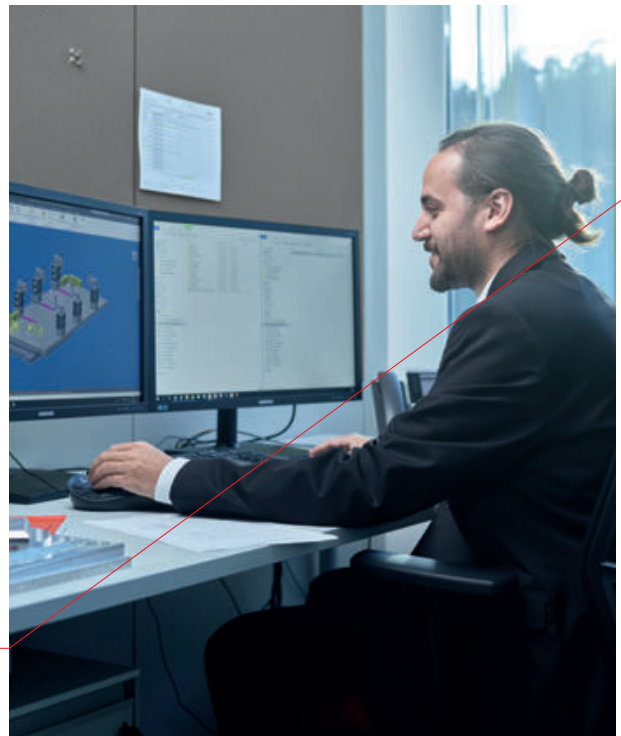


## 2

# Automotive Components

Lightweight components  
for a mobile future.

Thöni Automotive Components manufactures primarily for the European automotive industry and is a competent partner for semi-finished aluminum products, complex machined profiles, components with innovative joining processes and technical surfaces. We accompany our customers from the product idea to the production-ready component. We optimize the material aluminum and adapt it to the needs of our customers in our in-house laboratories. We incorporate our many years of experience in the most diverse manufacturing processes into developing components and optimize our product together with the customer. This ensures a cost-efficient and economic production process. We also assist our customers in designing a suitable logistics concept. An individual team of highly trained project managers and experienced technicians supports our customers throughout the entire project.







## Our services

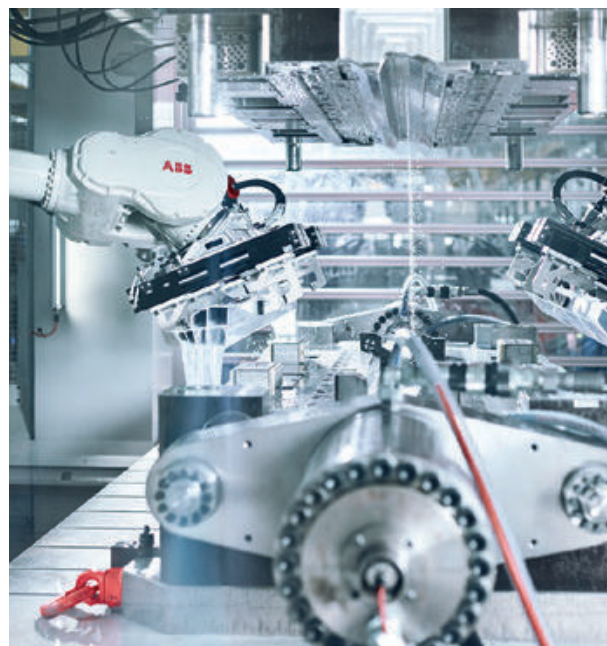
Development and production  
of lightweight components

Development of economical  
manufacturing strategies

Project Management

Production of complex lightweight components on fully automated systems with the most modern production methods such as:  
Internal high pressure forming, 5-axis CNC machining, stretch-bending, CMT welding, WPS welding, setting of welding studs, punching and forming, joining, gluing, FLS connections, setting of blind rivet nuts, punch nuts, semi hollow punch nuts.

Application of technical surfaces by pickling/passivating and anodizing.





# 3

Renewable energy

Thöni Environmental Engineering develops and realizes innovative plants for the anaerobic treatment of organic waste and residual materials. Depending on the input materials, different processes are used: TTV Thoeni continuous High Solids Anaerobic Digestion (cHSAD) is ideally suited for digestion of organic waste with a high proportion of impurities. Thoeni Wet Digestion (TNV Semi Dry) is used for the methanisation of food waste and other liquid organic residues. Our plants have established themselves worldwide, offer highly innovative system solutions in view of the growing waste problem and thus make a significant contribution to improving the CO<sub>2</sub> balance.

#### **Top-level service guaranteed.**

Smart plant solutions combined with expert service.

Our systems incorporate 30 years of experience in designing, planning, constructing and operating plants. As a full-range supplier, we deliver turn-key plants. A highly qualified team of "Thöni Care" experts advises and accompanies our customers right from the start until the plant is successfully commissioned. The planning and design is carried out in the company's own engineering department and the key components of our plants are manufactured in our Landeck Metal Works in Tyrol.



# Environmental Energy Engineering

Renewable energy from  
organic waste.



## Our services

Turnkey biogas plants

TTV continuous High Solids  
Anaerobic Digestion (cHSAD)

Wet digestion (TNV Semi Dry)

Planning, construction,  
commissioning

After-Sales-Service (Thöni Care)





Quality

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# Machine & Plant Engineering

State-of-the-art technology and  
customized solutions.



**Landeck Metal Works.** Landeck Metal Works has been an essential cornerstone of our mechanical and plant engineering since 1984. The Landeck metal works builds all the systems for our environmental energy engineering, casting equipment and aluminium processing activities in our own custom manufacturing facility.

**Thöni Manufacturing.** At Thöni Manufacturing, we manufacture high-precision cubic workpieces weighing up to 5 tons at our Kempten plant. The machine components, gearbox housings or axles manufactured in this way are used in machine and plant engineering, wind turbines, 3D printers, vehicle construction or in the compressor production.

Our quality assurance accompanies all workpieces through the entire production process, from receipt of the raw parts to delivery of the finished components.



## Our services

Plant engineering and special machine construction

Plant engineering environmental energy technology

Final assemblies and test runs

Mechanical processing



In addition to numerous norm-tested hose types, we at Thöni also produce individually developed and modified hoses for a wide range of applications. To ensure that they display the right properties for the required area of application, we constantly work to develop new processes and solutions. Hence our current product range with its numerous hose types represents only some of the possibilities we offer. With our proven know-how and highly qualified staff, we are happy to accept the challenge of creating the ideal hose for our customers' requirements.

## Our Products



Fire hoses



Building and industry hoses



Light compressor hoses



Manure and irrigation hoses



Snow cannon hoses



Drinking water lines



Wall hydrant hoses



Individually adapted special hoses for various applications

Flexibility



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# Hose Products

The hose you can rely on.





We think in cycles. That's why we use environmentally friendly and energy-efficient processes and technologies and focus on maximum material utilization. In aluminium processing, we make use of the high degree of recycling of this valuable raw material and convert mainly aluminium scrap into new products and thus bring it back onto the market. In the field of environmental energy technology we develop plants that convert organic residues into power and heat. The digestion residues are in turn converted into biological liquid fertilizer and compost.



## Thöni Academy

We invest in people and help develop potential.

We train our employees and promote their further development, as the quality of our performance depends on them. That is why we continuously promote their quality, environmental and energy awareness and invest in vocational training sustainably. The Thöni Academy is our power plant for the mental and physical vitality of our employees. It is not only home to our training workshop, the Telfs Technical High School and the laboratories for training, but also to our research and development department and the so-called Body Tank offering a wide range of physical exercises.





Resources

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## All good things come back

We place great focus on people,  
the environment and energy.



# Aluminium Worlds



The Thöni Aluminium Worlds are located at the Telfs site and provide an insight into the history, production, processing and application areas of aluminium as well as an overview of our company. You can even take the walkway around the gallery in Millenium Hall I and witness the aluminium extrusion process live before your very eyes.

## Sky Lounge

The Thöni Sky Lounge is located in the Academy building and is the place for encounters of the highest level. It is where employees, business partners and friends of the company meet to discuss, learn or simply engage in small talk, while enjoying the unique atmosphere. It is not only a great venue for company celebrations and meetings, but it is also ideal for business and political events, not to mention art and cultural activities. "Sky Lunch in the Sky Lounge": the employees are not only treated to culinary delights during their lunch break, but can also enjoy this light-flooded place with its unique mountain panorama.





# 1964

FOUNDED AS A TWO-MAN  
LOCKSMITH'S SHOP  
IN TELFS, AUSTRIA

Pleasant Hill, CA

Sustainability

Kempton, D

Landeck, AT

Telfs, AT

Rovereto, IT

# 7

## From Tyrol to the world

We conquer new markets  
with sustainable growth.

***thöni***®

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