



pipes | bends | couplings

For the plastics and bulk goods industry.

**Your supplier of  
pipe and hose systems.**



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Michel Tube Engineering GmbH  
Industriepark A81  
Falk-Müller-Straße 30  
97941 Tauberbischofsheim

Please follow the relevant assembly instructions and safety guidelines.  
We reserve the right to make technical changes.  
All (technical) specifications are provided without guarantee.

Any further use in print or electronic media requires the express consent of Michel Tube Engineering GmbH.

## Manufacturer and system supplier. Reliable and responsive.

Michel Tube Engineering GmbH, based in Tauberbischofsheim, specialises in the manufacture and sale of components for pneumatic conveying systems.

Its core competencies include innovative products in the field of **wear-resistant technology, stainless steel pipe bends, stainless steel/glass fittings, glass pipe bends, pipe couplings, suction lances, conveyor hoses, Camlock couplings, magnetic separators, material containers and coupling stations.**

### Reliable & fast

As well as maintaining a large stock, we are particularly renowned for our flexible production and the speedy delivery of the products you require.

### Latest technologies

We manufacture our products using automated processes on state-of-the-art tube laser cutting machines and welding robots to guarantee precise and flawless product quality.

### Customised production

We will take care of the planning and design of your bespoke requirements and will be happy to support you with our expertise.

### Efficient logistics

– for maximum availability. Thanks to our extensive warehouse facilities covering over 4,000 m<sup>2</sup>, we can guarantee high product availability and extremely short delivery times.



Our location in  
97941 Tauberbischofsheim.



Your system partner for the plastics and bulk materials industry.

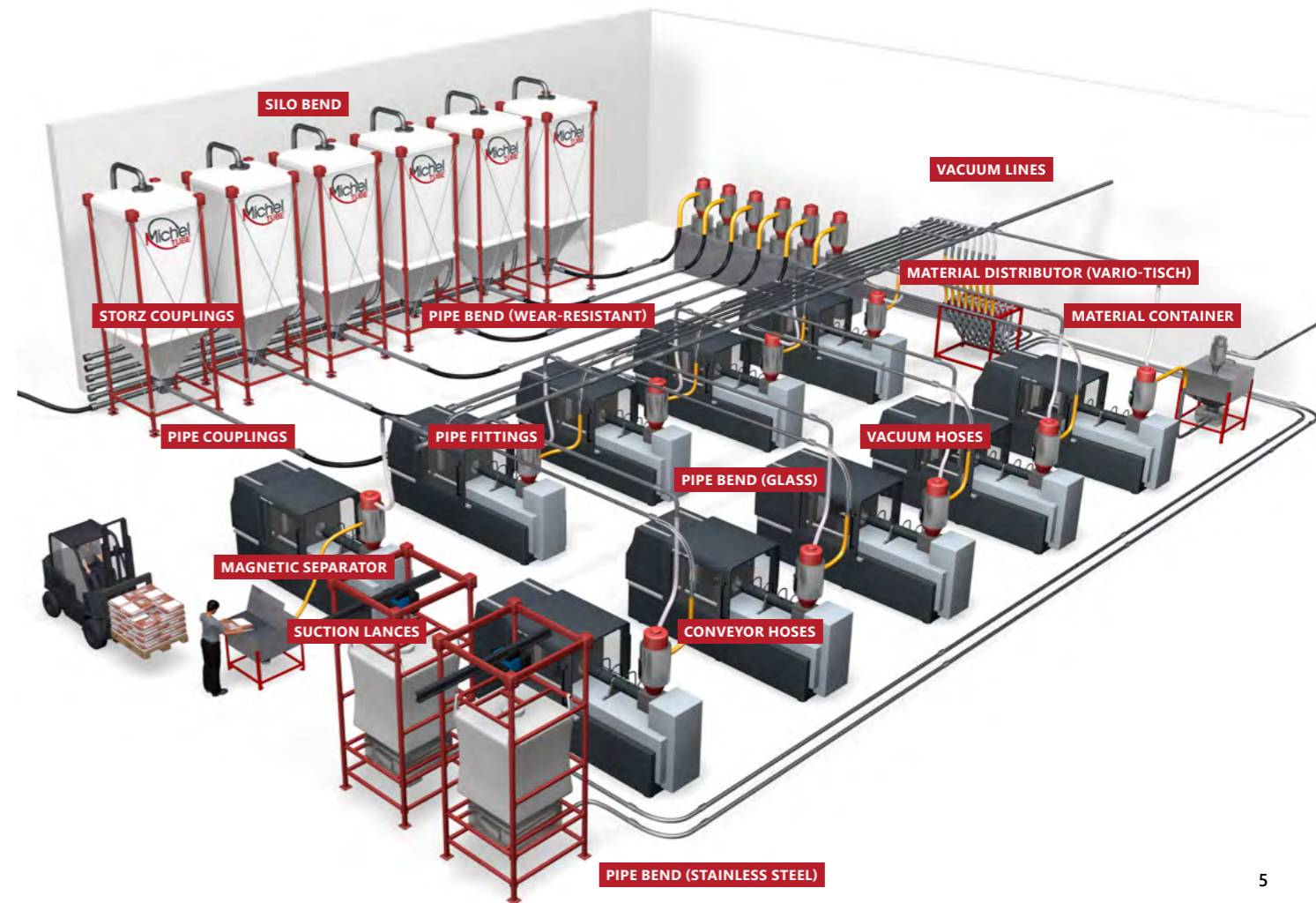
## Pipe and hose systems

As a **manufacturer and system partner**, we manufacture and supply high-quality products required for the construction of a **pneumatic conveying system**.

Our customers are predominantly companies in the **bulk materials industry** that specialise in the storage, drying, conveying, mixing and dosing of **free-flowing materials and powders**.



Find out more about our company and our philosophy.  
[www.michel-tube.com/unternehmen](http://www.michel-tube.com/unternehmen)



The right material for every purpose.

## Round tubes

High-quality round tubes made from stainless steel, aluminium and wear-resistant materials for demanding applications in conveying and bulk material handling technology. Our round tubes stand out thanks to their precise workmanship, high quality and reliable availability.



### Stainless steel round tube

- Material: Stainless steel 1.4301
- Length: 6000 mm
- Internal seam smoothed



### Aluminium round tube

- Material: AlMgSi0.5, F22 (6060 T66)
- Length: 6000 mm
- Special dimensions available on request



### Wear-resistant round tube / glass

- Significantly longer service life compared to 1.4301 stainless steel
- Length: 500 / 1500 mm
- Special dimensions available on request

A wide range of materials meets bending precision.

## Pipe bends

Our pipe bends are synonymous with the highest dimensional accuracy, optimum flow characteristics and long-lasting quality in day-to-day use. Our aim: precision-fit pipe bends made from stainless steel, aluminium and wear-resistant materials for demanding conveying and bulk material applications.



### Stainless steel pipe bend

- Material: Stainless steel 1.4301
- Bent without creases, internal seam smoothed
- Stainless steel 1.4404 available on request



### Glass pipe bend

- Material: Borosilicate glass 3.3
- With a wall thickness of 5 mm / for stainless steel tubing 40 / 50 / 60.3 / 76.1 mm
- With copper tape bonded to the surface



### Wear-resistant pipe bends

- Significantly longer service life compared to 1.4301 stainless steel
- Can be fitted using standard pipe connectors
- Other dimensions available on request

Precision in every connection.

## Pipe fittings

Michel Tube's tubular fittings combine technical precision with high-quality materials. From standard dimensions to bespoke designs, we create solutions that are precisely tailored to the specific applications.

Thanks to controlled manufacturing and meticulous workmanship, the fittings ensure reliable further processing and durable connections. For applications where a precise fit, stability and efficiency are essential, Michel Tube offers the right solution.



### Stainless steel pipe fittings

- Material: Stainless steel 1.4301
- Cleaned and deburred
- Internal seam smoothed



### Glass pipe fittings

- Material: Borosilicate glass 3.3
- For stainless steel tubing
- 40 / 45 / 50 / 60.3 mm
- With copper tape bonded to it



### Wear-resistant moulded parts

- Significantly longer service life compared to 1.4301 stainless steel
- Can be fitted using standard pipe connectors
- Other dimensions available on request

Connects what belongs together  
securely and reliably.

## Pipe connector

Our so-called pipe couplings are mainly used in suction and vacuum conveying systems. A standard pipe coupling is 100 mm long and is secured with two M8 screws. The purpose of the pipe coupling is to create a leak-tight connection between the pipes. Furthermore, the compact, cost-effective design is ideal for use in confined spaces and on large-scale projects where cost is a major consideration.



### Standard

- Material: Stainless steel 1.4510 / 1.4016
- Lightweight design for vacuum conveying
- For connecting stainless steel pipes



### Food & High Temperatures

- Material: Stainless steel 1.4510 / 1.4016
- Lightweight design for vacuum conveying
- Seal: FDA-compliant or suitable for high operating temperatures



### Seal protection

- Material: Stainless steel 1.4301
- Compatible with the pipe connector (RV1S)
- Fitted with the pipe connector (RV1S)

Connects securely and reliably  
what belongs together.

## Pipe couplings

Michel Tube's pipe couplings ensure reliable and robust connections across a wide range of applications. They enable quick assembly, compensate for tolerances and guarantee a permanently stable connection.

Depending on requirements, the couplings are available in various materials and designs – optimally tailored to the medium, pressure range and operating environment. The result: efficient installation, high leak-tightness and maximum operational reliability.



### Galvanised steel pipe couplings

- Material: Galvanised steel / Aluminium
- Heavy-duty design for pressure-fed systems
- With double inner jacket and earthing strap



### Stainless steel pipe couplings

- Material: Stainless steel 1.4301
- Heavy-duty version for pressure-fed systems
- With double inner jacket and earthing strap



### Strain reliefs

- Material: Galvanised steel / Stainless steel 1.4301
- For pipe couplings with an overall length of 150 / 200 mm
- Strain relief for axial tensile forces
- Can also be retrofitted

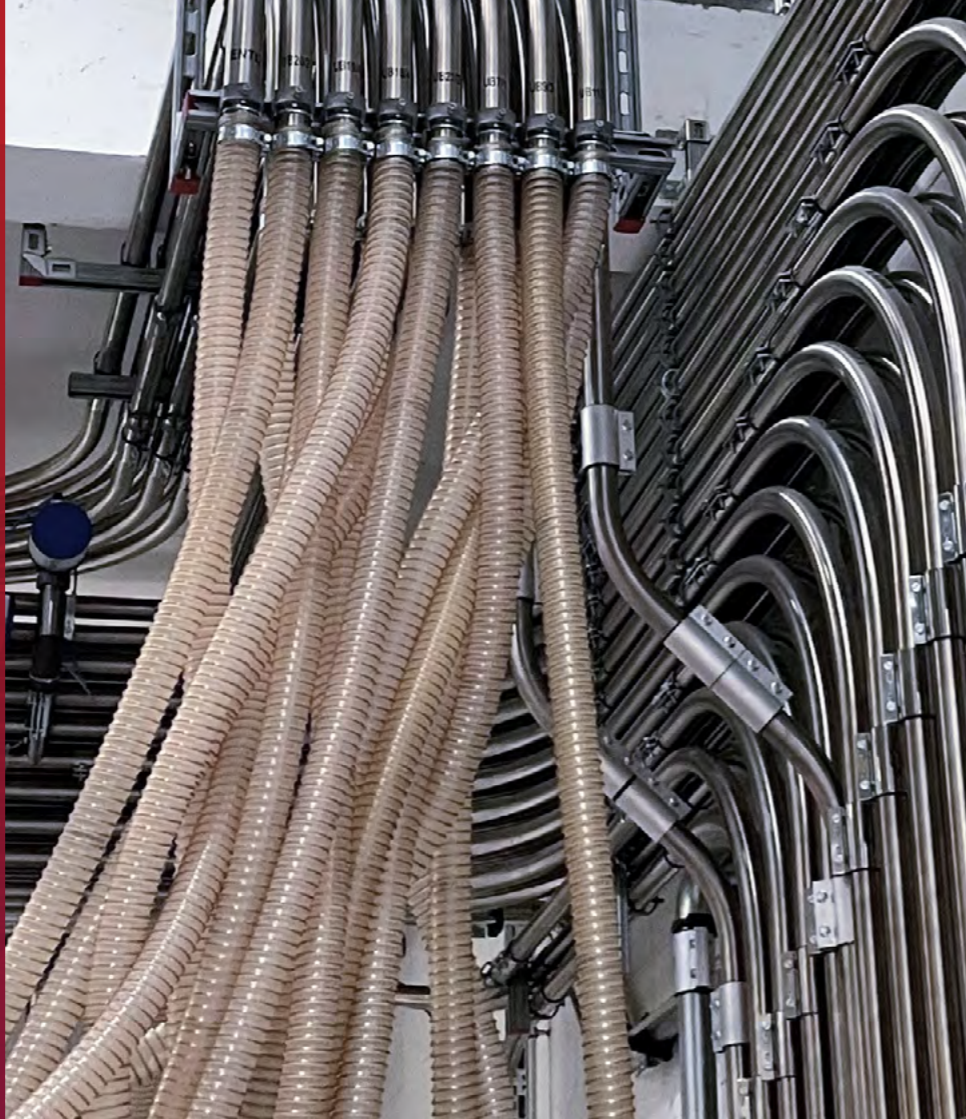
Flexible. Sturdy.  
Application-specific.

## Hose lines

Our hose assemblies offer reliable solutions for a wide range of conveying and process requirements.

Whether conveying hoses for abrasive media, vacuum hoses for negative pressure applications or dryer hoses for processes involving high thermal loads – each design is tailored to its specific area of application.

High-quality materials, robust wall constructions and precise workmanship ensure durability, flexibility and process reliability. For efficient material handling and safe operations in industrial applications.



### Conveyor hoses

- Flexible conveyor hose for abrasive bulk materials / granules
- Medium-duty version, highly abrasion-resistant
- Temperature range: -40°C to 90°C



### Vacuum hoses

- PVC hose including earth wire
- For bulk materials, granules and gases
- Temperature range: -15°C to 60°C



### Drying hoses

- Silicone hose, single-layer
- Flexible hose for hot and cold gases
- Reinforced with cord
- Spring steel wire in the wall
- Temperature range: -70°C to 260°C, up to 280°C for short periods

Simply a secure connection.

## Hose couplings

Hose couplings are essential connecting elements that enable a secure, leak-proof and quick connection of hoses in a wide variety of industrial and technical applications.

Discover our new Switch&Lock® 360 push-fit coupling: simply push the male and female parts together – without having to worry about the positioning of the female coupling. You can hear the coupling with a CLICK and also visually check it thanks to a coloured marker.



### Lever-arm couplings

- Material: Aluminium
- Includes seal and fixing materials
- For vacuum conveying



### Screw couplings

- Material: Stainless steel – metal-to-metal seal
- High-precision turned component made of stainless steel with a full-bore design and union nut
- The rotary locking mechanism allows for one-handed operation in confined spaces.



### Plug-in couplings

- One-handed operation
- Space-saving
- Rotatable / adjustable even when coupled
- Coloured marking on the bolt to indicate correct engagement

Coding can be that simple.

## Colour coding

In order to distinguish between the locomotives as clearly as possible at a shunting yard or shunting station, and to prevent incorrect coupling, visual/colour coding is used.



### Pipe coding

- Plastic pipe clip
- For diameters  $\varnothing$  38.0 mm – 80.0 mm
- Other colours available on request



### Michel Vario-Coding

- Colour-coding system for the Michel Vario-Tisch
- For (retrofitting) to the frame
- Simple, cost-effective, expandable and space-saving



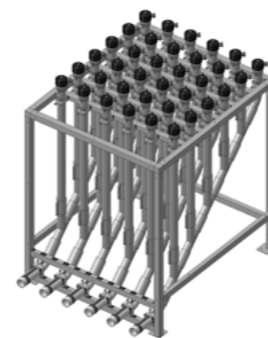
### Hose coding

- For loose attachment to the hose
- Easy to remove when changing the hose or recoding
- Custom-made products available on request

Efficient distribution for smooth processes.

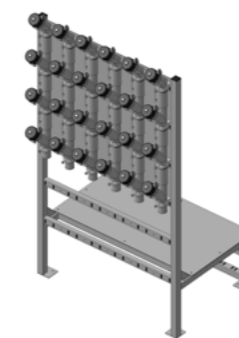
## Material distributor

Material distributors ensure the even and controlled distribution of media and material flows within technical systems. They enable the structured distribution of flows into multiple pipes, thereby contributing to stable processes and optimum utilisation.



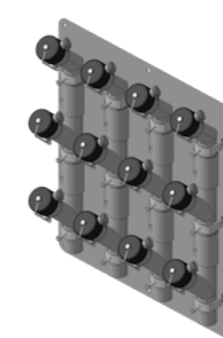
### Michel Vario-Tisch

- Solid, welded stainless steel frame
- One frame for all diameters (40.0 / 45.0 / 50.0 / 60.3)
- Supplied as standard with two feed levels



### Michel Vario-Station

- Solid, welded stainless steel frame
- A frame suitable for all diameters (40.0 / 45.0 / 50.0)
- For a space-saving, vertical design



### Michel Vario-Wand

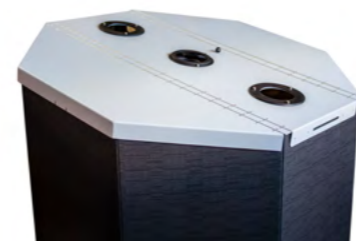
- Solid stainless steel sheet for diameters 40.0 – 60.3 mm
- Includes holes for attaching signs
- For space-saving, flexible installation and quick assembly

Efficient retrieval for a continuous flow of materials.

## Suction lances

Suction lances enable the controlled and efficient extraction of materials from containers and silos. They ensure the safe conveyance of materials such as granules and help maintain a consistent flow of material throughout the rest of the process.

Thanks to their robust construction, optimised diameters and designs tailored to the material, suction lances are highly versatile – even under demanding conveying conditions. Customised to the specific application and material, they make a significant contribution to process stability and operational safety.



Octabin cover

- Lightweight, foldable and maintenance-free
- Protects the granules from contamination and foreign particles
- Guide openings for suction lances stabilise the suction process
- Prevents downtime and production losses
- Patented system (EU patent)



Suction lances

- Standardised outer diameter for precise insertion into openings
- The internal clip prevents the film from tearing
- Custom lengths and stainless steel inner tubes are available



Suction lance connection

- Material: Stainless steel 1.4301
- Retrofit connection piece
- Ideal for 'rubbish bins'

Effective metal separation for maximum process reliability.

## Magnetic separator

Michel Tube's magnetic separators reliably remove ferritic foreign particles from conveyor streams, thereby protecting plant, machinery and products. They ensure consistently high product quality and prevent costly damage caused by metallic particles.



MAG 14.000

- Can be retrofitted at any point thanks to the hinged mechanism
- Ferritic particles adhere to the inside of the pipe rather than directly to the magnet
- Features an Easy-Clean function for the rapid ejection of collected metal residues



Bar magnets

- For ferrous residues in free-flowing bulk materials
- Filter rod diameter: 25 mm / Deflector rod diameter: 8 mm
- Max. temp. 80°C Housing: 1.4404



All-metal separator

- Mobile all-metal separator
- Can be combined with the MAG 14.000
- High efficiency in the removal of metallic residues

Perfectly coordinated for maximum efficiency.

## System components

Michel Tube's system components form the basis for reliable and high-performance conveying and distribution systems.

The result is a fully integrated system that guarantees maximum process reliability, easy installation and long-term operational reliability. Tailor-made solutions and high-quality materials ensure that your systems operate efficiently, flexibly and reliably.



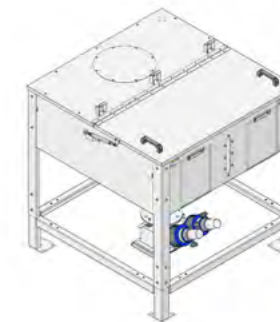
### Vacuum pipes

- Mainly made of aluminium
- Available in diameters of  $\varnothing$  100 / 150 / 200 mm
- Custom-made products / special dimensions available



### Fitting materials

- Pipe clamps, sliding pipe clamps, brackets and cable clamps for securing pipework
- Mounting rails and bracket clamps are usually available from stock



### Material container

- Available as a rolling bin or a fixed model
- Supplied as standard with a viewing window, document holder and swivel plate for emptying residual contents
- High-quality design

Wherever reliability, precision and durability are required.

## At home in numerous sectors.

We are at home in a wide range of sectors – from bulk material handling and conveyor technology, through the food and pharmaceutical industries, to chemical and process engineering. Our products and solutions help to optimise processes wherever precision, reliability and durable components are required.



Find out more about our sectors.  
[www.michel-tube.com/branchen](http://www.michel-tube.com/branchen)



## Customised solutions for a wide range of requirements.

We are well established across a wide range of industries and offer tailor-made solutions for a diverse range of requirements. Our products are used in the **automotive industry** for drip-free separation of coolants, support **plastics processing** worldwide with system components for pipes and hoses, and meet the high standards required in **medical technology** – particularly in applications where cleanliness is critical.

We supply robust pipework systems and specialist components for the conveyance of **feedstuffs** and materials in the **mechanical and plant engineering sectors**, whilst in the **silos, pellets and recycling sectors** we also supply wear-resistant pipe bends, pipe connectors and magnetic separators.

In addition, we are a reliable partner for **chemical, extraction and pneumatic tube systems**, where our components ensure safety, durability and efficient material transport.

Everything to do with pipes  
and sheet metal.

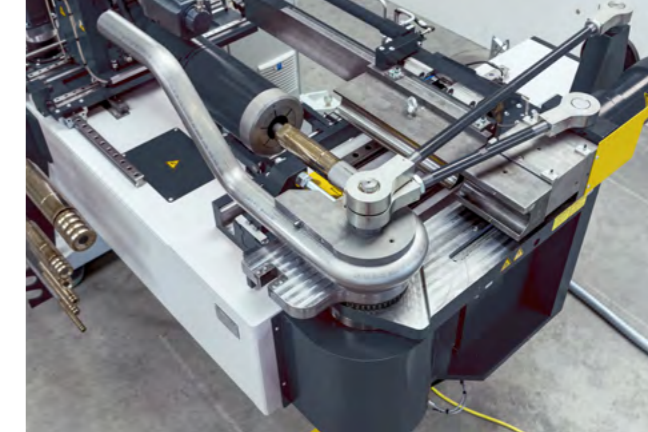
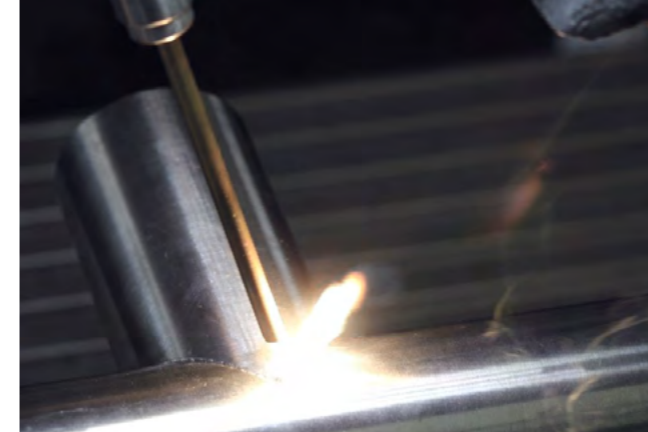
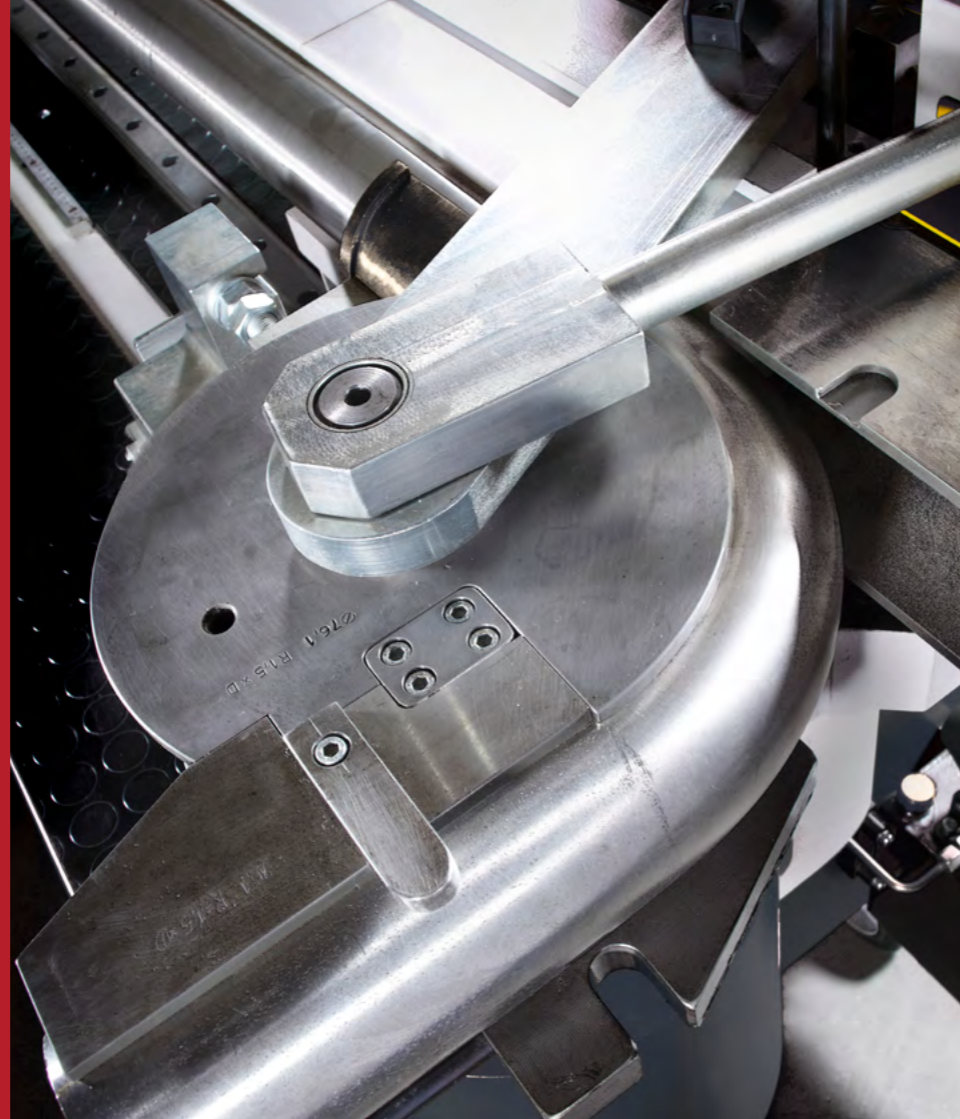
## Production / Contract manufacturing

Michel Tube is synonymous with precision **tube and sheet metal fabrication** of the highest standard. Using state-of-the-art manufacturing processes, we deliver bespoke solutions – from individual components to series production.

- Laser welding
- CNC tube bending
- Laser tube cutting
- 2D laser cutting
- Robotic welding
- Turning and milling



Find out more about our production techniques.  
[www.michel-tube.com/produktion](http://www.michel-tube.com/produktion)



**Assembly production and laser cutting, including on a contract basis**

### Laser welding

- Laser welding systems for small to medium-sized components
- Little to no distortion caused by laser welding
- Ideal for thin-walled stainless steel sheets and tubes
- Batch sizes ranging from '1' to thousands of units
- Mechanical or chemical weld seam cleaning
- Packaging and labelling in accordance with customer specifications

**Software and CAD programming included**

### CNC tube bending

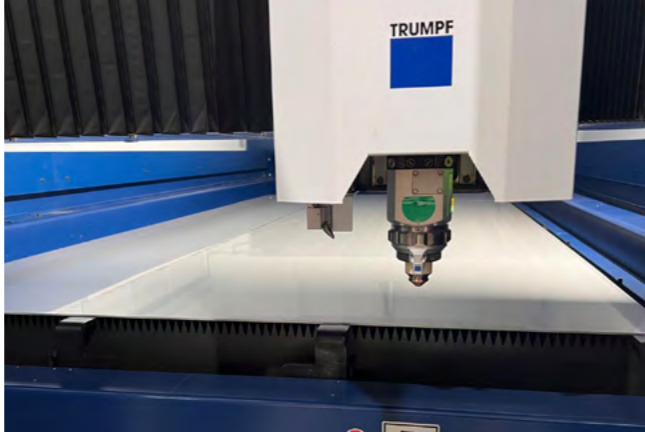
- CNC tube bending of thin-walled stainless steel tubes up to 3.0 mm
- Diameter 38.0 mm – 168.3 mm
- Radius 100 mm – 1,500 mm
- Material: 1.4301 (1.4404 and 1.4571 on request)
- Over 100 different bending tools available
- Leg extensions and end machining according to customer specifications
- Custom-made parts from a single piece
- Drawing preparation and programming included



Local. Accessible. Fast.

## Laser tube cutting

- Trumpf TruLaser Tube, including bevel cutting up to 45° – ideal for welded assemblies
- Laser cutting of aluminium and stainless steel with a wall thickness of 4 mm
- Maximum tube diameter 168.3 mm / square tubes up to 150 mm side length
- 6-metre loading capacity and 3-metre maximum finished part length
- Intelligent material layout and state-of-the-art laser quality for entry, burr removal and speed
- Contract laser cutting services on request, including cleaning and deburring



Stainless steel and aluminium sheets up to 15 mm thick

## 2D laser cutting

- Trumpf TruLaser with BrightLine fibre cutting technology for optimum cutting results
- Maximum sheet size 3000 x 1500 x 15 mm (stainless steel and aluminium)
- Series production down to batch size '1' – manufactured on cost-effective terms
- Optimum cutting results thanks to PierceLine and Nanojoints, even during high-speed cutting
- Deburring and cleaning in accordance with customer specifications



Stainless steel and aluminium tubes up to  $\varnothing$  168.3 mm

## Robotic welding

- Parallel robot welding using state-of-the-art welding equipment
- Automated aluminium and stainless steel welding
- Including fixture construction for small and medium batch sizes
- Specialised welds carried out by manual welding



Collection and delivery service

## Turning and milling

- Turning and milling of bespoke parts, combined with laser-cut tubular and flat components
- Welded assemblies in both single-piece and series production
- Automatic lathe for bar stock up to 65 mm in diameter
- Milling machine for small and large production runs

Do you have a challenge for us?  
We look forward to hearing from you.  
[www.michel-tube.com/kontakt](http://www.michel-tube.com/kontakt)



Capacity meets efficiency.

## High-performing at every level.

As well as maintaining a large stock, we are particularly distinguished by our flexible manufacturing and rapid delivery of the products you require.

We offer a one-stop solution to simplify your internal and downstream processes. We manufacture our products using automated tube laser cutting machines and welding robots to guarantee a straightforward process with fast delivery times.



Any more facts and figures?  
Find out more about us!  
[www.michel-tube.com/unternehmen](http://www.michel-tube.com/unternehmen)



**4,000 m<sup>2</sup>  
storage space**

- Cost-effective production in large batch sizes
- Rapid project turnaround and delivery of standard products, primarily for the plastics processing industry



**> 3,500  
products**

- Extensive product range from a single source
- A wide range of solutions for the plastics processing industry
- A large selection of standard and specialist products



**> 1,500  
pallet spaces**

- Efficient warehouse logistics for short delivery times
- Digitalisation, connectivity and continuous data exchange for seamless operations

Greater transparency and better service for you.

## The B2B online shop for pipes and hoses.

As a manufacturer and system supplier, our aim is to make our collaboration even more efficient and structured. We are therefore delighted to introduce our B2B online shop to you.

- Enquiry and login function
- Quick access to the extensive product range
- Digital price information
- Round the clock and every day of the week

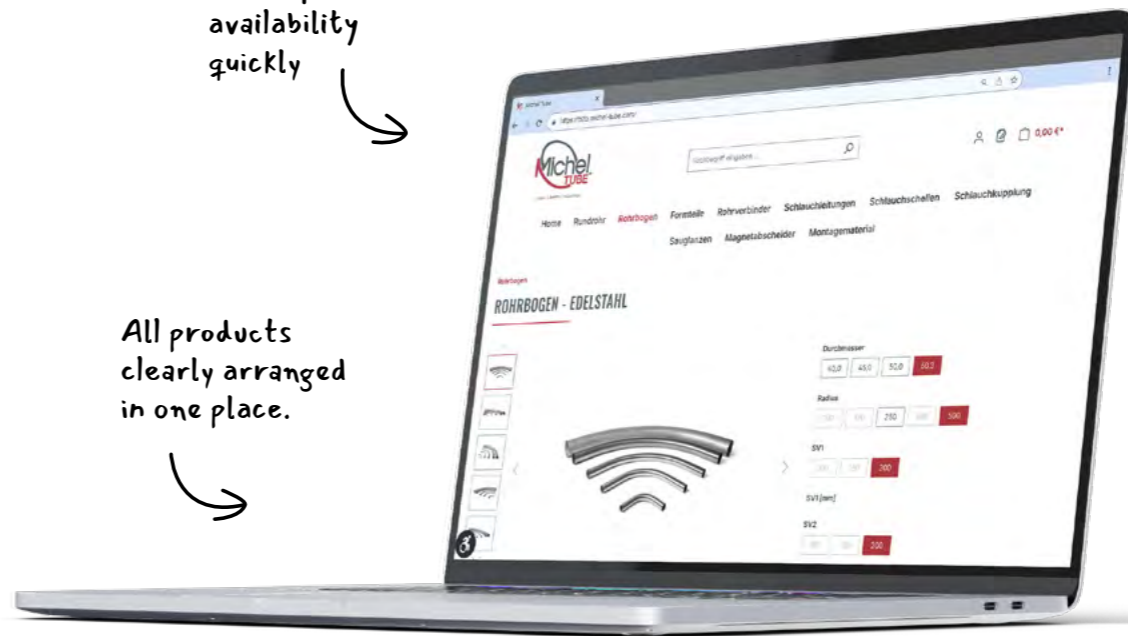


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Check prices and availability quickly

All products clearly arranged in one place.



For even more efficient collaboration - round the clock!



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**Register now and enjoy the benefits!**



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PARTNERS IN PLASTICS.

