



In motion



One step ahead!

Leading the way is all about constantly surpassing oneself and to overcome the own limits. Due to a clear concept we have firmly established our current market position as specialists for technical rollers and as partner of choice for leading manufacturers. We are constantly striving to be better. Not only better than our competitors, but also better than our current high standards.

This is why you are always a crucial step ahead using products made by Ahauser Gummiwalzen.

A person wearing a red shirt is holding a large, curved, metallic object, possibly a piece of machinery or a large key. The background is blurred, showing vertical lines and a light-colored wall. The text is overlaid on the image in white, bold font.

**Many people believe that being
ahead their competitors is just
a question of technology.**

We see things differently.



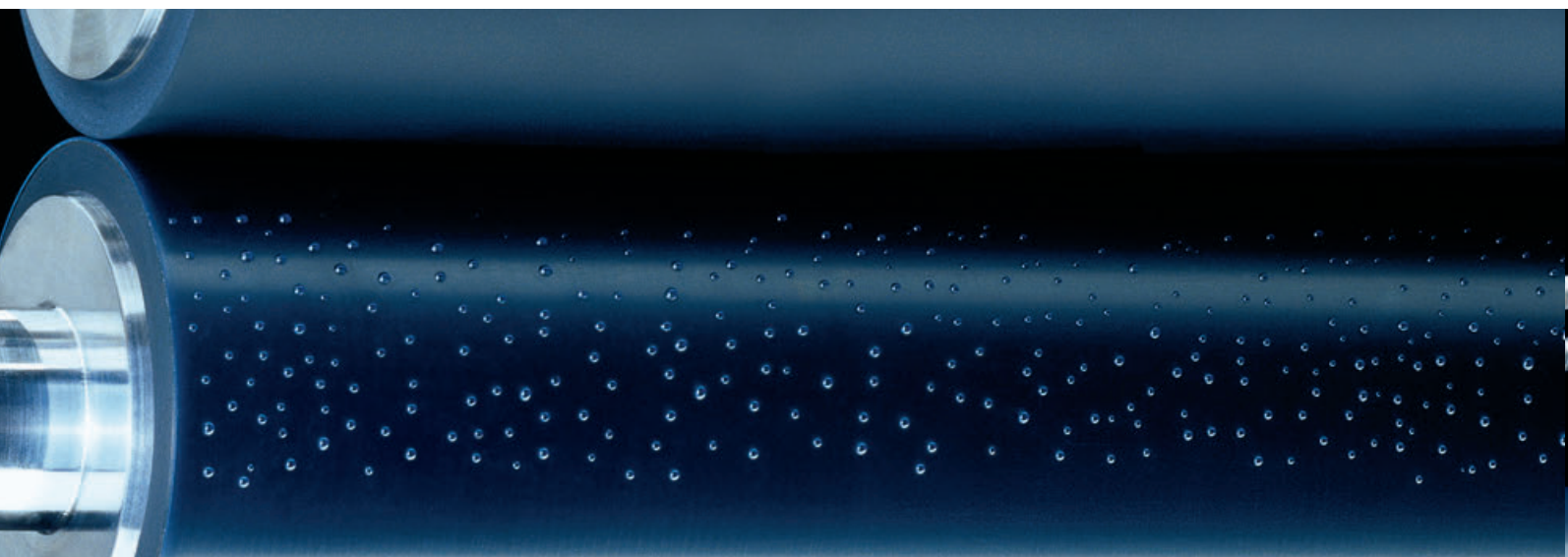
Our success is founded on knowledge, expertise, motivation and 40 years of experience.

We also owe our market position as innovative specialists for technical rollers to our committed staff members. People who know their business inside out and are passionate about solving new tasks every day.



Ahauser Teflon® rollers

We provide more than just rollers – we provide solutions.



Teflon® rollers – the patented solutions for well-known problems and new procedures

Whether things get hot or softeners become aggressive – the **Teflon®** surface stands firm.

Due to their outstanding features Ahauser **Teflon®** rollers open entirely new prospects. Thus they combine the benefits of anti-adhesive Silicon with the benefits of EPDM and its high chemical resistance.

While EPDM resists to aggressive softeners in PVC, it is not sufficiently anti-adhesive to be used in the

production of high quality polyurethane sheets such as those used for truck tarps. Sufficiently anti-adhesive silicone, however, cannot handle softeners.

Ahauser **Teflon®** rollers also provide decisive advantages for applications in the textile industry: Our bed rollers, bearing rollers and nip rollers are resistant to all conventionally employed chemicals and required processing temperatures.

Ahauser **Teflon®** rollers are available in two basic types: Type FEP is suitable for lower loads and represents the more economical solution.

Type PFA is more durable at higher temperatures and higher line loads.

Sometimes it only needs a few small details to open the path to a new dimension

The metal core is provided with a rubber coating between 65 and 100 Shore A with any desired coating thickness. By specifically selecting the rubber quality, the elasticity can be precisely tailored to your technical requirements.

Depending on the specific application, the **Teflon®** coating thickness ranges

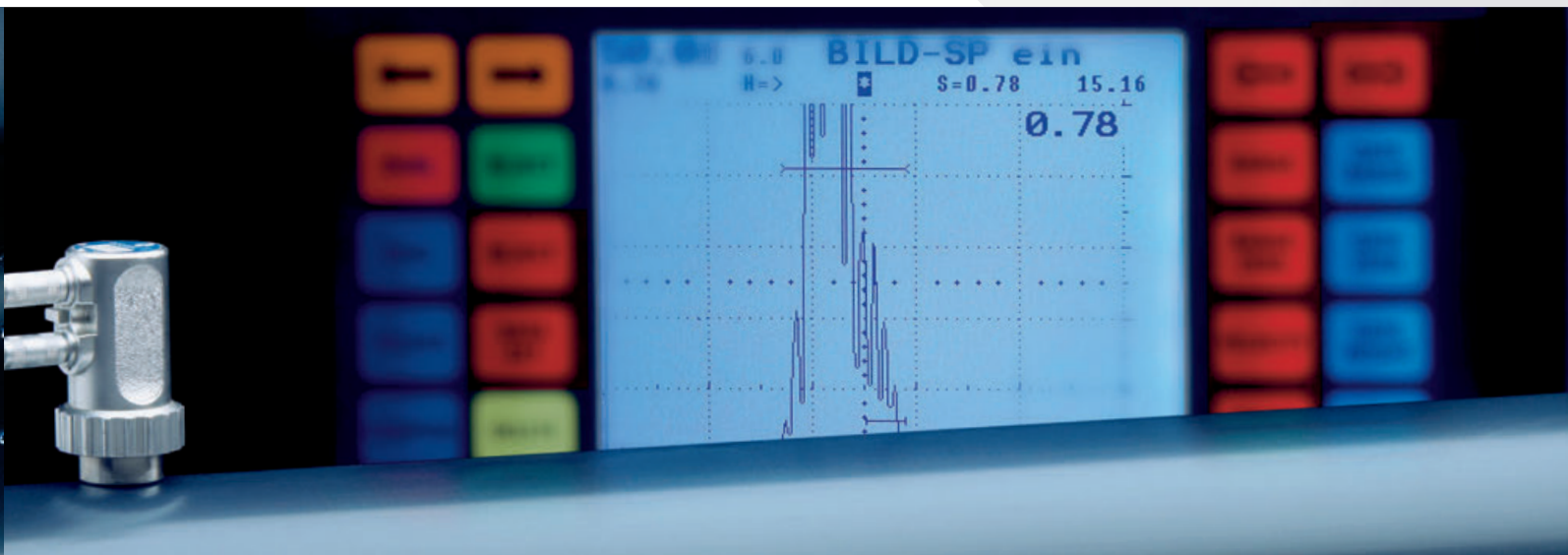
from 0.5 to 1.5 mm and is applied to the rubber coating using our patented process. Ahauser **Teflon®** rollers achieve Ra values up to 0.4 and concentricity up to 0.02 mm. Using our CNC-controlled radial grinders, special roller geometries such as cambering or hollow grinding can be achieved without loss of wall thickness. Standard roller covers are available up to a diameter of 450 mm and a covering length of 5,000 mm. Of course, we can also realize special dimensions upon request.



Teflon® is a registered trademark by DuPont de Nemours.

Economic efficiency

Thinking ahead and developing new ideas – future-oriented patented solutions.



Productivity means running and running and running – improved machine utilization as a result of anti-adhesion and easy cleaning

Ahauser Teflon® rollers are easy to clean and considerably reduce machine downtimes. Our Teflon® rollers therefore provide a true added value. No matter if in laminating equipment for one- or mixed-component adhesives or in coating equipment where liquid PP or PE gets in contact with the rollers, the outstanding anti-adhesion

properties open up entirely new and economical applications: Here, Teflon® pressure rollers achieve substantial operating time improvements. Processing adhesive sheets also becomes considerably easier. Related to laminating and coating equipment, charging and press rollers resist to chemical influences and, due to their anti-adhesiveness, make cleaning faster and easier.

And this is why advance in competition is more than a question of technology at Ahauser Gummiwalzen.

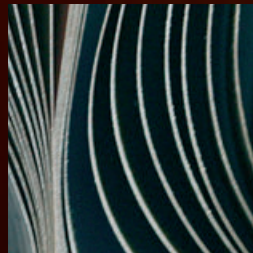
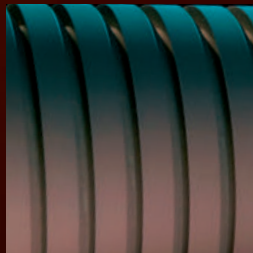




**The surface covers a secret our
competitors are keen to know.**

**We would like to share it
with you.**

Understanding and being understood – this is how quality is established. The secret is simply communication, which works because your contact person understands your goals and knows exactly what you are talking about. Through an in-depth exchange of ideas, information and close cooperation with you, results are accomplished you can rely on.



Flexibility

There is only one optimal solution for each individual application.
And sometimes it is even at a better price.

Mixtures

Short Symbol	Description	Max. temp. in °C	Alcohol	Oil/Greases, Fuel	Ester, Ketones	Ozone	Acids, Bases
NK SBR	Natural rubber Styrene-butadiene rubber	approx. 100 °C	1	3	3	3	2
NBR	Acrylonitrile-butadiene rubber	approx. 120 °C	2	1–2	3	3	2–3
ECO	Epichlorohydrin rubber	approx. 150 °C	2	1	3	1	2–3
CR	Chloropren rubber	approx. 120 °C	1	2	3	1	2
CSM	Chlorsulfonated polyethylene	approx. 150 °C	1	2–3	3	1	1
Si	Silicon rubber	approx. 200 °C	1	2–3	3	1	2
FPM	Fluorocaoutchouc	approx. 220 °C	1	1	2	1	2–3
PU/PUR	Polyurethane	approx. 80 °C	1	2	2–3	1	2–3
EPDM	Ethylene propylene diene copolymer	approx. 130 °C	1	3	1	1	1–2

Formulas for your success

Our quality standards include customized rubber coatings made of all types of elastomers, as well as the immediate availability of more than 200 compounds stored under optimum conditions. Should neither compound match your application, we develop a customized composition –

quickly and reliably – that caters to your specific needs.

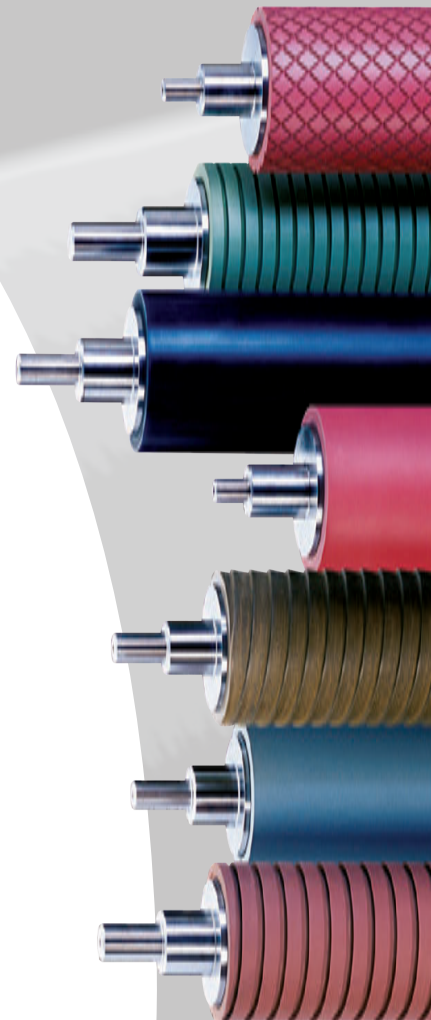
Reliably producing, processing and finishing

Bases, acids, oils, solvents, paints – the appropriate roller coating is always based on qualified support considering your entire process conditions in detail.



Precision work

Ground or chequered? We go deep under the roller surface.



Individual solutions that fit

Laminating, transporting, lining and varnishing up to 6000 mm in centre distance and 1050 mm in diameter – the character of the roller surface is defined by many parameters specified by your production process. What is the intended use of your roller? What chemicals and materials are used? What temperatures will the

roller has to withstand? What electrostatic and physical conditions must be considered? Based on your requirements, we will not only find the appropriate compound, but also the right surface structure and geometry. A solution that perfectly matches your application.

85 grooves/inch

No matter if chequered or grooved, symmetric or asymmetric – with state of the art CNC machines we will achieve the precision required for your application. However, quality is not only a technological issue, since experience and sure instinct of our employees are indispensable to achieve the highest precision levels.

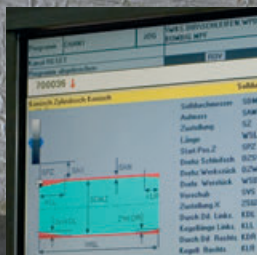
Checked quality

In order to provide maximum safety, our products are subject to strict quality controls. You can be sure that we will detect even the slightest divergences from your requirements and our quality standards.



**Some people say we are
passionate perfectionists.**

Thank you.



We are pleased about such a compliment. Our responsibility to perfectly fulfill your specifications will increase with well-founded customer relations and personal contact.



This is why we are passionate when it comes to find a solution for "insolvable" problems and always achieve the best results without compromise.



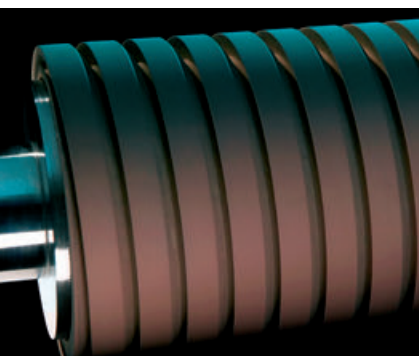
Know-how

With a few things we are absolutely intolerant!



Thinking ahead

As specialists for development and production of rollers, we are familiar with



your branch. This know-how has continuously grown with the changing markets and production processes: Thanks to our consistent commitment, we not only solve current tasks but are also a clear step ahead with many other solutions.

Gaining experience, imparting know-how

Our know-how in production and application has continuously grown due to the various tasks we have been faced with. Your requirements undergo careful analyses in our daily routine. New ideas are permanently examined and

information is continuously exchanged. This "knowledge database" forms the foundation for our developments.

Only this way will we be able to continue to preserve our technologic advance in the future and make further advancements.

Speed

Logistics and Transport –
There Are Many Reasons why our Service is Absolutely Perfect.

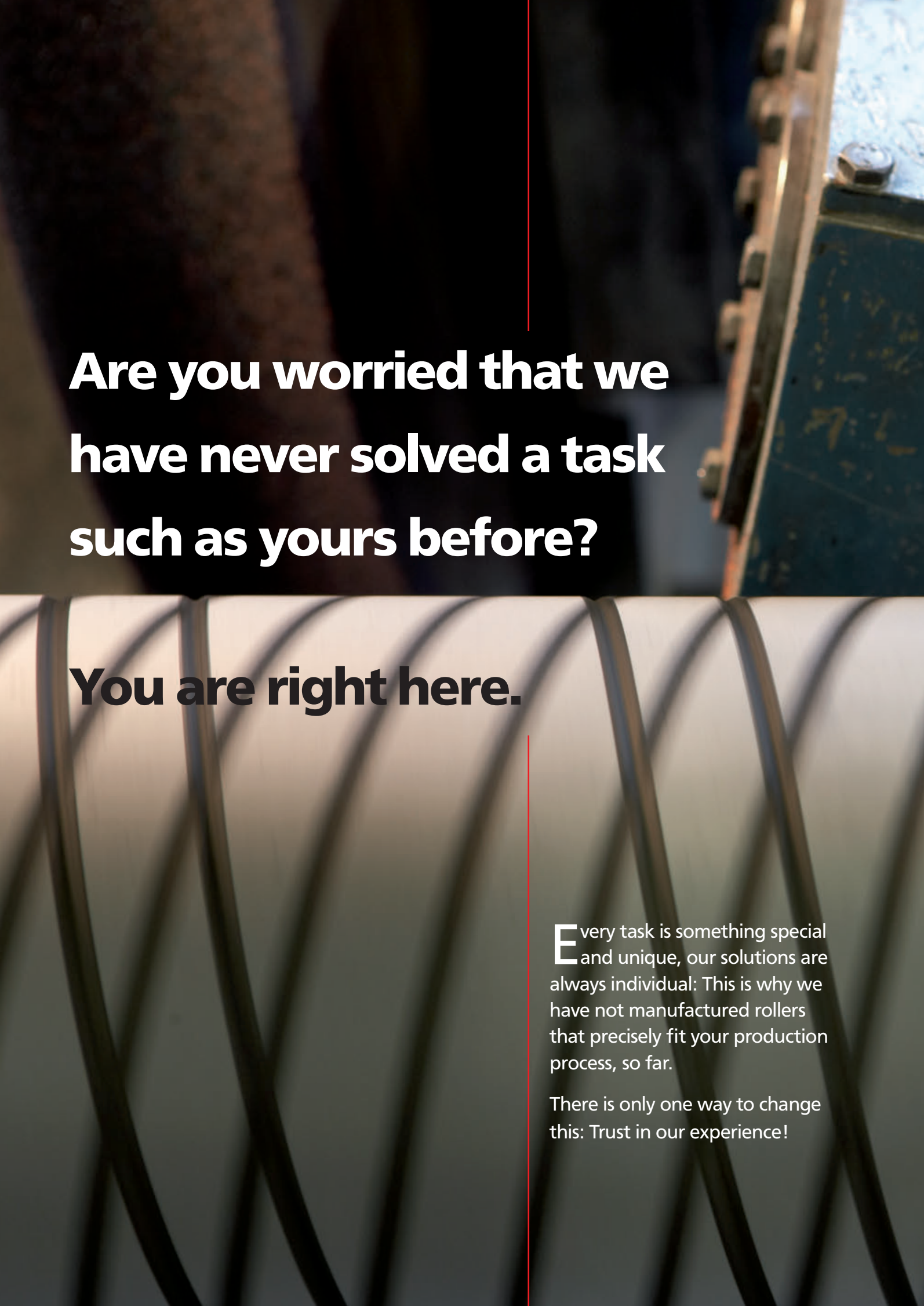


Made and delivered

We not only deliver quickly and reliably, but also ensure safe transport: In order to protect your rollers against damage, we recommend appropriately dimensioned containers which can be provided by us. They are equipped with fixtures for the core shafts and enough

space to make sure the sensitive surface of the roller gets to your premises without damage.

Take advantage of the benefits of short distances, right decisions and a modern infrastructure.

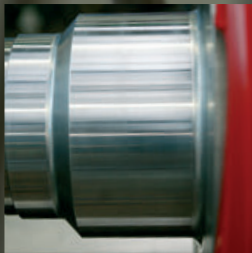
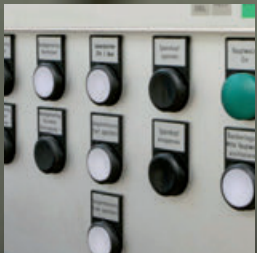
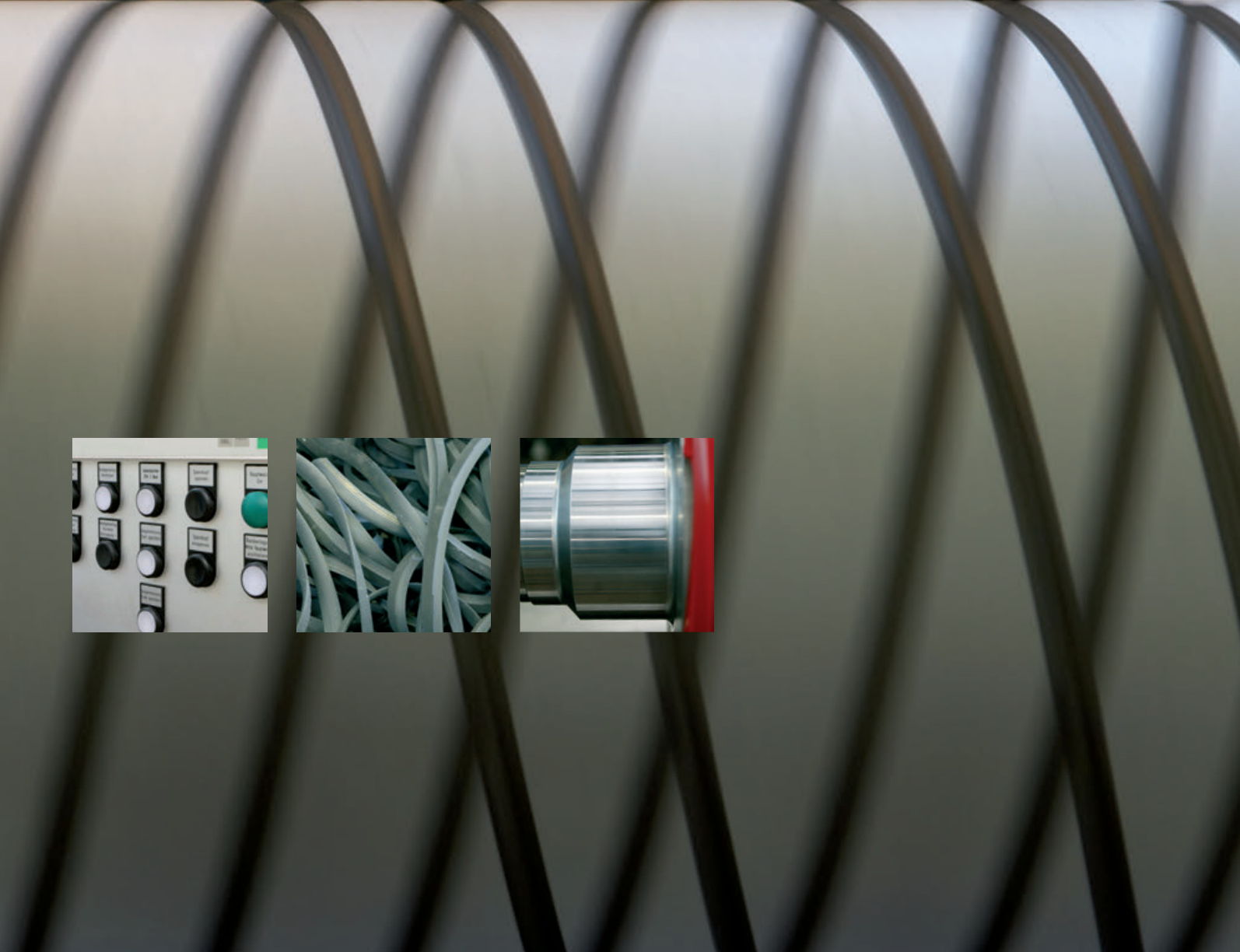


**Are you worried that we
have never solved a task
such as yours before?**

You are right here.

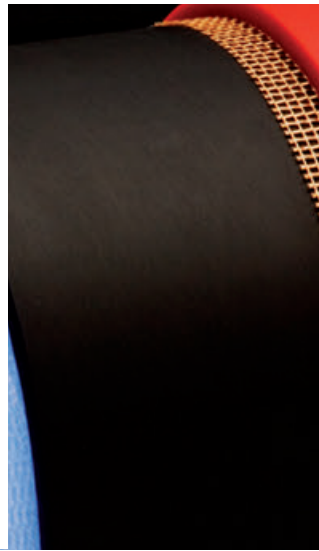
Every task is something special and unique, our solutions are always individual: This is why we have not manufactured rollers that precisely fit your production process, so far.

There is only one way to change this: Trust in our experience!



Versatility

All in one – a wide range of products for your applications.



Roller cores

The production of roller cylinders is not less demanding than the production of high-quality rubber rollers. Quite the contrary. It forms the basis for every roller and is therefore subject to strict quality requirements. We manufacture cylinders made of steel, stainless steel, aluminum or carbon fiber reinforced plastics, customized to match your production. We provide comprehensive service such as grinding of shafts, fittings and bearing seats, including of course the repair of roller cores and shafts.

Glass fibre reinforced sleeves

Air cushion technology allows for quick exchange of rubber-coated glass fibre reinforced plastic sleeves. The cylindrical design enables you to fix our sleeves at any desired position. With sleeves, the expenses for transport are reduced and they avoid costly stock-keeping of spare cores.

System tubes

Ahauser Gummiwalzen maintains a broad range of rubber tubes made from all common elastomers, such as banana rollers and deflection rollers, for your application. The tubes are produced fast as coreless yard ware at a favorable price.

Polyurethane rollers

For extreme applications, we deliver driving rollers, feed rollers, expander rollers,

deflection rollers and drive rollers, etc. as well with PU roller coatings. Polyurethane rollers are characterized by their high mechanical load capacity.

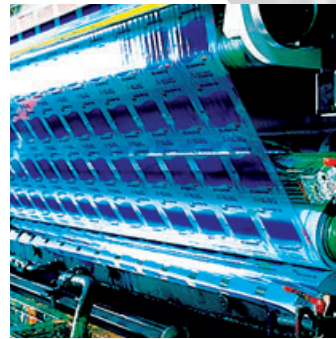
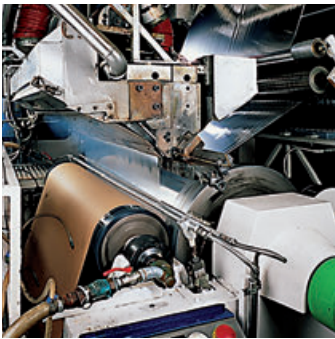
Balancing

Competent service completes our comprehensive range of products – even if hurry is needed. As a matter of course professional balancing is part of our services. Related to rollers up to a length of 6000 mm and a diameter of 1750 mm, we will always be on your side – with experience and state-of-the art techniques.



Solutions

Pressing, squeezing, drawing, laminating,
batching, roll-laminating, winding...
What can our rollers do for you?



With our industry-sector-specific and application-oriented expertise, we provide comprehensive know-how related to the development of rollers for foil production and finishing, for wood and furniture industry, textile and leather industry, the print industry,

plastics industry, paper industry, the steel and metal industry and many more.

We analyze the current condition for production by communicating intensively with our customers and cooperate closely from the very outset of the planning

stage by testing readiness prior to series production. Why not take advantage of customized solutions adjusted to fit your requirements – reliably, efficiently and always one step ahead of the competition.

Roller types

- Adhesive application rollers
- Advancing rollers
- Band saw rollers
- Bed rollers
- Calendar rollers
- Clearing rollers
- Coating rollers
- Color application rollers
- Contact rollers (grooved or smooth)
- Couch rollers
- Conveyor rollers and rolls
- Draw-in rollers and rolls
- Dressing rollers
- Drive and brake rollers
- Embossing mating rollers
- Flash rollers
- Foulard rollers
- Guide rollers
- Immersion rollers
- Laminating rollers
- Laser-engraved flexoprint rollers
- Mercerizing rollers
- Metering rollers
- Mordant application rollers
- Nip rollers
- Paint application rollers
- Press rollers
- Pressure rollers
- Pre-treatment rollers
- Reducer rollers
- Reversal rollers
- Rotary stretchers and hoses
- Sandwich rollers
- Take-up rollers
- Teflon®** rollers, patented
- Welding rollers
- And many more





**Ahauser Gummiwalzen
Lammers GmbH & Co. KG**

P.O. Box 1106
D-48661 Ahaus
Germany

Heisenbergstraße 8
D-48683 Ahaus
Germany

Phone: +49(0)2561 · 9385-0
Fax: +49(0)2561 · 9385-500

info@ahauser.com
www.ahauser.com