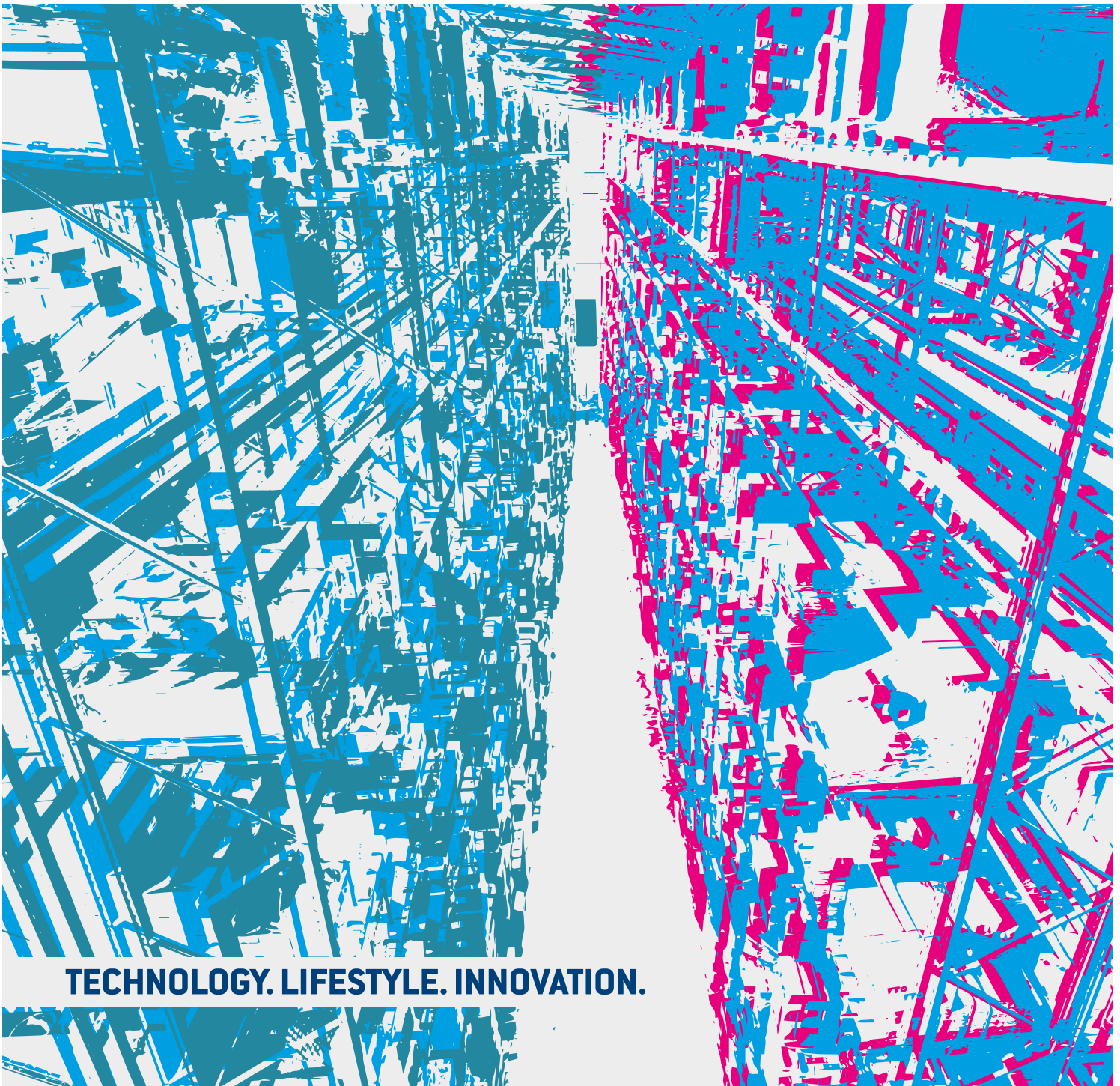


EDITION 1/2022



VIEWPOINT.

THE TTV MAGAZINE FOR CUSTOMERS AND FRIENDS OF THE COMPANY.



TECHNOLOGY. LIFESTYLE. INNOVATION.



KEEPING ON DELIVERING EVEN DURING BOTTLENECKS.

V-RINGS IMMEDIATELY AVAILABLE FROM STOCK.

With the move to our new NEUEHEIMAT site, we are now operating a new, state-of-the-art high-bay warehouse with almost 1000 pallet storage spaces in our 16.500 m³ logistics centre, as well as an automatic small parts warehouse with enough space for approx 350 pallets.

Also associated with these investments is the gradual replenishment of our warehouse stock, with the aim of further increasing the availability of goods. Despite the general delivery chain problems we are currently facing, this increased availability is already noticeable in some product groups where immediate delivery is back on the table.

Our V-rings in NBR and FKM are now stocked in large volumes, and we'll be explaining a bit more about how this all works in this article.

V-rings in NBR and FKM immediately available from stock

V-rings from ttv are used as rubber seals for rotating shafts, and are characterised by extremely high technical standards, outstanding quality and high-grade materials. They are flexible and particularly easy to fit, and can easily be pulled over flanges, flywheels and entire bearing housings without any

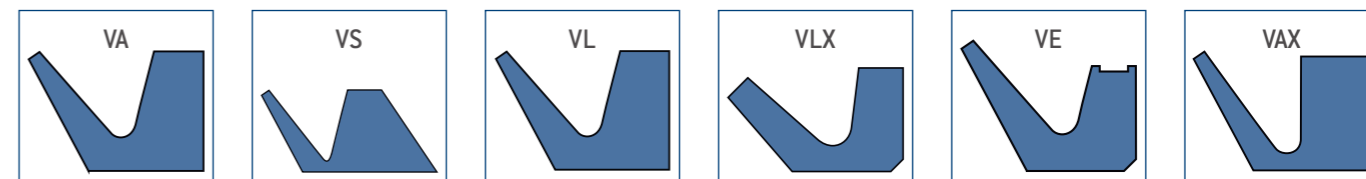
costly disassembly work.

V-rings from ttv offer reliable protection against dust, dirt, grease, oil and splash water, and are used in practically all areas of drive technology as well as in the agricultural and construction machinery sector.

The stiffener body, the joint and the sealing lip create the typical structure of the rubber seal in the form of the V-rings. V-rings sit on the shaft and need to be fitted perpendicularly and at a precisely defined distance to the metal counter face in order to ensure exact pretensioning. V-rings rotate together with the shaft and perform a sealing effect on the counter face in an axial direction.

V-rings are mainly used in combination with additional seals such as shaft sealing rings, and are used as upstream sealing elements in bearings. We supply V-rings directly from stock with a variety of standard cross-sections and constructions for a wide range of different applications and spatial conditions.

Standard seal types



Alongside our products, we also offer additional services for our customers:

- Customer-specific labelling
- Customisable packaging units
- High-efficiency assembly installation
- Spare parts supply
- Kanban delivery

Make the most of the high availability of our product solutions and get in touch to discuss your requirements with us.



DR. SCHNEIDER COMPANY GROUP.

EXPERIENCE IN CAR INTERIORS – FOCUS ON EXCELLENCE!

The Dr. Schneider company group has established itself as a specialist in top-class products for vehicle interiors – from innovative ventilation systems through to highly integrated trims as well as sophisticated modules for dashboards and centre consoles. As a strategic and flexible partner to its customers, the company now works on pioneering solutions for the mobile world of the future – and always with a “Focus on Excellence”.

The brand stands for innovation and aesthetics, outstanding quality and perfection, and reliability and conscientiousness. With its passion for the latest technologies, the fascinating world of the car, as well as for people and precision, the company is setting new standards in form, function and technology.

As an internationally successful family company, its products are manufactured at proprietary sites in Germany, China, Poland, Spain and the USA. Over 4000 employees

work on excellent products all around the world – and always with the aim of making the car the best place on earth.

ttv technology as a supplier for seal technology

The values of the Dr. Schneider company group are a fantastic fit with ttv’s corporate philosophy – possibly one reason why the collaboration has developed so successfully and so consistently. After all, we both have clear expectations for our partners and suppliers, with a focus on values such as cost transparency, proprietary technical expertise, top quality and reliability.

Under the leadership of Senior Manager Massimiliano Casini-Cherici, we have been able to win over this valued partner with a proposal from our subsidiary company ttv technology that is able to bring about clear cost reductions.

A perfect solution in the form of the ttv O-ring 30x3 NBR
The component is a 30x3 NBR O-ring, which is used with

Manfred Zillig
Project Manager at Dr. Schneider company group:

„We are very impressed by the high level of speed and flexibility shown by ttv technology, and its astonishingly clever proposal has allowed us to achieve a clear cost benefit with this application.“

standard tolerances in smartphone holders such as those used in the Dacia Dokker.

We are very proud of this collaboration with the Dr. Schneider company group, which is one of the global market leaders in premium-tier products in the areas of ventilation systems and window frame panelling.

As the person directly responsible for the Dr. Schneider company group as a ttv customer, Massimiliano Casini-Cherici has set the goal of gradually expanding this collaboration, which is still in its early stages, and of continuing to impress the company in the future with innovative solutions, flexibility and speed.





HARRY K. BAR#EATERY. THE SOUL OF NEUEHEIMAT IN ILLERTISSEN.



The soul of NEUEHEIMAT. A meeting place for friends with good taste. That's the Harry K. bar#eatery. Fresh meals prepared daily for ttv employees and building tenants as well as employees of companies in the neighbourhood.

A cappuccino in the morning, or a glass of prosecco on a Friday evening. That's the ttv Harry K. eatery too. Meeting friends for breakfast, catching up over lunch or grabbing a coffee together in the afternoon. And the kids? Well it's fun for them here too, whether outside on the terrace or inside in the spacious play area.

The concept is inspired by the urban bars of the world. A vast

range of different design elements are merged to create a stylish atmosphere. Interesting people having fun over good food, tapas and drinks. Simply enjoying the urban feel.

Comfort in the style of the times, with a fully digitalised system for reservations, food and drink orders and payment.

And in the evening, you can end the day in style at after-work parties and live gigs.

Welcome to the Harry K. bar#eatery



TTV EXPANDS ITS PRODUCT RANGE.

MECHANICAL SEALS AS STANDARD AND SPECIAL SOLUTIONS.

When developing compressors, pumps and other equipment and machines, engineers need to prevent the escape of liquids or gases on a consistent basis. And it's in this area where the impressive strengths of ttv mechanical seals really become clear.

Mechanical seals can only achieve their necessary sealing function and service life if important functional requirements are met. These requirements include the plane-parallelism of the sealing faces, the perpendicular positioning of the sealing faces to the rotation axis, the resilient contact between the sealing faces and a lubricating film between the two sealing faces of the mechanical seals.

The sealing effect between the mechanical seals and other components such as housings or shafts is usually created using additional seals such as O-rings and gaskets.

Mechanical seals are used in almost every type of pump. From pumps in refineries right through to garden pumps, as well as pumps in the gas industry, in dairies, breweries and the food and drink industry, and those used in nuclear power plant construction too. Mechanical seals are used in almost every type of pump. From pumps in refineries right through to garden pumps, as well as pumps in the gas industry, in dai-

An overview of the benefits:

- Mechanical seals with a shaft diameter of 10 mm to 100 mm available as standard
- Customer-specific solutions and diameters over 100 mm available as special seals
- All ttv mechanical seals boast a long service life and high quality

ries, breweries and the food and drink industry, and those used in nuclear power plant construction too.

Special solutions and repair service

As well as mechanical seals in all the usual standard versions, we can also provide special parts with large dimensions as engineering solutions. Because large-format mechanical seals are very complex components, we have decided to set up a repair service for our customers.

We are currently setting up this new service, and will let you know via the usual channels as soon as we are ready for your repair orders.



TTV OPTIMISES ITS ONLINE PRESENCE.

NEW WEBSITE PROVES ITS WORTH IN DAY-TO-DAY OPERATIONS.

ttv's new website has been online since the end of last year, and has already proven its worth in day-to-day operations. The screen design with its trendy tiles is very clearly presented and allows visitors to the site to directly select core competences as well as individual product groups. Within each product group, detailed information such as constructions, technical information or benefits can be called up via an accordion system.

The News section has also been significantly expanded, and is now divided into the three segments of Company, Products and Procurement markets. This will hopefully be a welcome addition to the website for the numerous customer who expressed a desire to be able to read interesting news from the market as well as exclusively product-related news.

But why not see for yourself by visiting our new website: www.ttv-gmbh.de

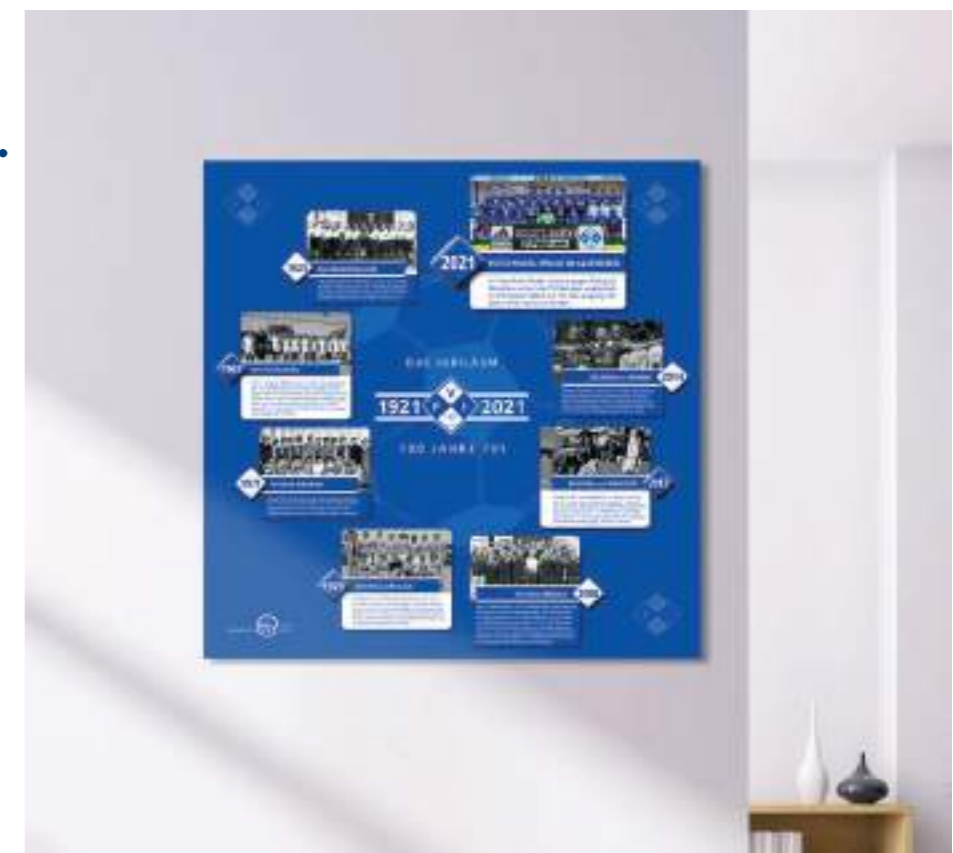
100 YEARS OF FV ILLERTISSEN.

TTV SPONSORS THE ANNIVERSARY BANNER.

FV Illertissen celebrated its 100th anniversary in 2021, and this landmark year saw it establish itself as one of the top teams in the Regionalliga Bayern football league.

At the request of the club, Managing Director Harald Nitzschke immediately agreed to have the anniversary banner designed by his advertising agency VMA.

Chairman Rainer Bleser was very enthusiastic and thanked the ttv team for the sponsorship.



CREATED IN HAMBURG, PRESENTED IN ILLERTISSEN.

NEUEHEIMAT DISPLAYS WORKS BY ODILE LUEKEN.

Anyone entering NEUEHEIMAT won't take long to notice the mostly large-format artworks displayed throughout the entire building. The spectrum of artistic expression covered by these works by various artists ranges from classic paintings through to a variety of printing techniques, as well as graffiti and modern collage techniques.

Two of the works displayed in the ttv office rooms are by artist Odile Lueken. The professional graphic designer has been living and working in Hamburg for 30 years. In 2020, she completed the three-year master-class at the "Freie Kunstakademie Augsburg" with internationally renowned artist Rainer Kaiser. The experimental works are shaped by the artist's graphic background, with the idea of chance playing a consistent role in the design process. The resulting compositions tell the observer different stories and give a refreshing air of spontaneity thanks to the use of an extremely wide range of collage techniques.



ttv Managing Director and art lover Harald Nitzschke first became aware of the artist many years ago during a trip to Hamburg. The two have kept in touch ever since. When working on the interior design of the office rooms, Mr Nitzschke approached the artist and asked if she would consider providing him with two of her works. Because most collages are small images, Odile Lueken produced large-format reproductions of her works on acrylic glass especially for the large rooms in the ttv building.

More information on Odile Lueken can be found on the artist's website: www.odile-lueken-art.com

Odile Lueken Curriculum Vitae

1995 - 1998

Degree in Communication Design at the Hamburger technische Kunstschule [HTK Academy of Design].

Seit 1998

Self-employed communication designer.

Seit 2008

Further artistic training at various art academies with a focus on experimental printing techniques and collages.

Seit 2017

Leader of creative workshops for companies and individuals.

2020

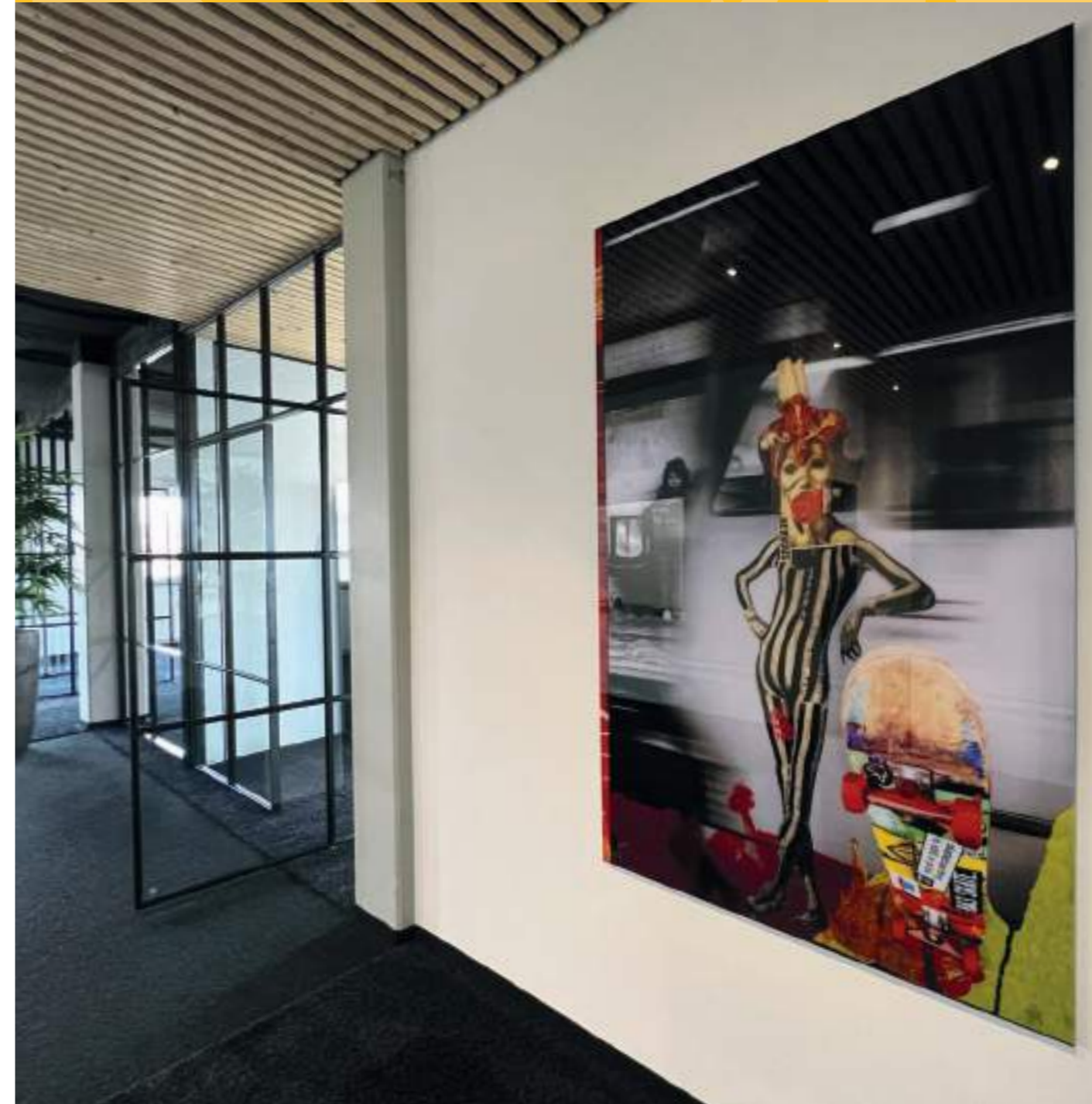
Completion of three-year master-class at the "Kunstakademie Augsburg" with Rainer Kaiser.

Various exhibitions at international print biennials.



"I love being experimental in my work, and I always allow chance to play its part. This gives rise to new compositions and stories that are often a little imperfect."

Odile Lueken
(source: www.odile-lueken-art.com)



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