



RUREX: New technology for the glass industry





Technology for the glass industry: Our technology is your success

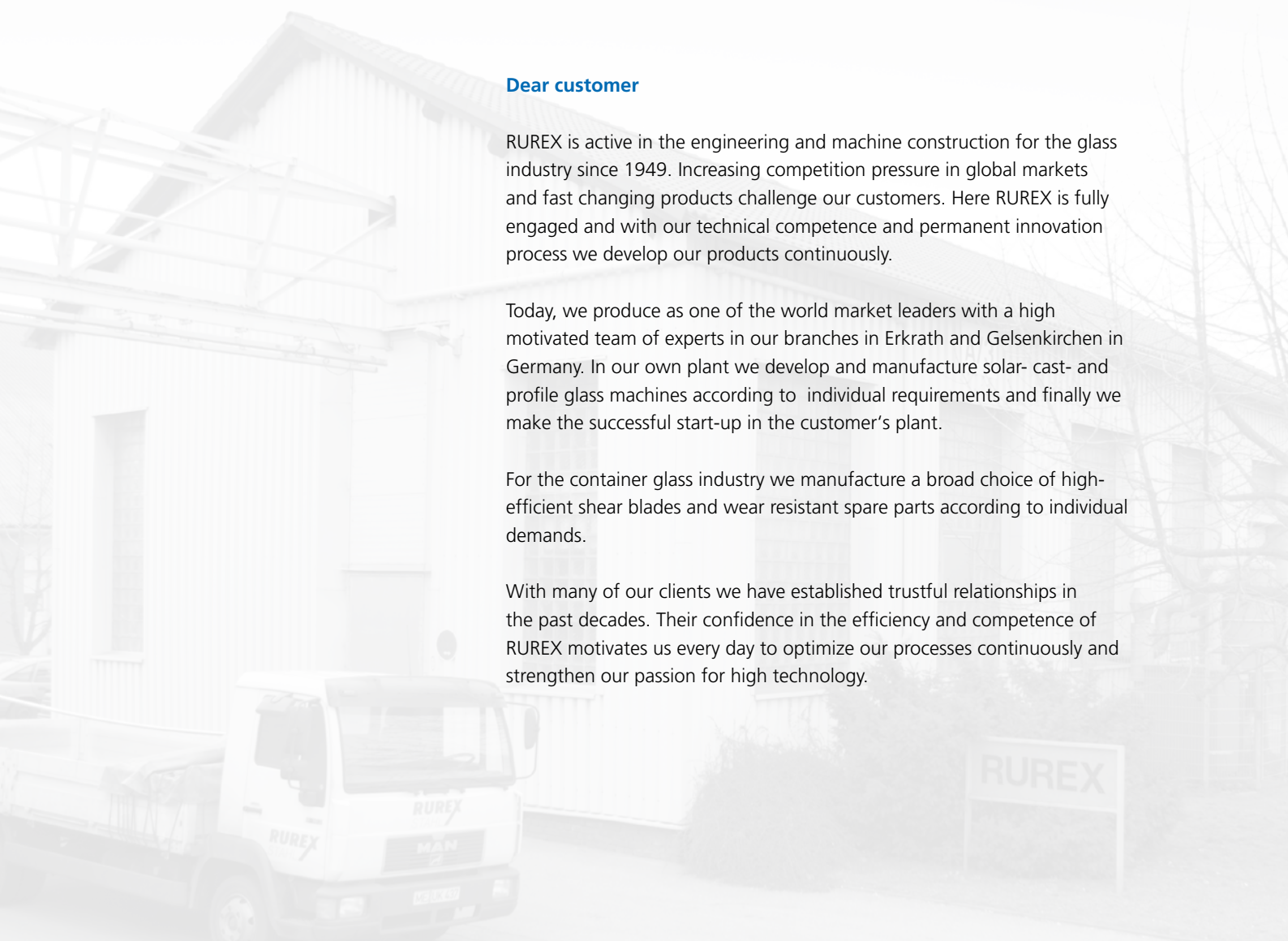
Dear customer

RUREX is active in the engineering and machine construction for the glass industry since 1949. Increasing competition pressure in global markets and fast changing products challenge our customers. Here RUREX is fully engaged and with our technical competence and permanent innovation process we develop our products continuously.

Today, we produce as one of the world market leaders with a high motivated team of experts in our branches in Erkrath and Gelsenkirchen in Germany. In our own plant we develop and manufacture solar- cast- and profile glass machines according to individual requirements and finally we make the successful start-up in the customer's plant.

For the container glass industry we manufacture a broad choice of high-efficient shear blades and wear resistant spare parts according to individual demands.

With many of our clients we have established trustful relationships in the past decades. Their confidence in the efficiency and competence of RUREX motivates us every day to optimize our processes continuously and strengthen our passion for high technology.





Each glass production is different. That's why RUREX is typified for "tailor-made" solutions: All our machines are developed and produced according to individual specifications. This guarantees smoothest and most effective production results for the highest quality level. Especially in sensitive areas like the solar glass production.

Intensive contact to our customers is part of our success and "tailor-made" philosophy: The RUREX management team is partner of our customers in all requests. Our team of long-term experienced glass machine builders gives technical assistance at site and supports the successful commissioning of the glass machines.

We are pleased to accompany your projects and to realize them in a professional way.



Andreas Fremerey

CEO (



Corporate values – RUREX philosophy



Customer focus: our success story

The concerns of our clients are in our focus. RUREX supports his added value during planning and manufacturing with plants, machines and spare parts, giving best results in the shortest time. Our experts take care for the smoothest technical operation – worldwide and unbureaucratic.

State-of-the-art: to achieve individual requirements

We are the technical leader in our industry. With German engineering power we develop and produce state-of-the-art machines for individual requirements and highest demands.

Innovation: always one step ahead

RUREX is innovation leader in the machine building sector for solar-cast- and profile glass machines. Grace to our research and development we know the needs of our customers and realize improvements.



Quality: reduce shut down periods and improve operating life

Quality "Made in Germany" is the brand mark of all RUREX products. In development, construction and choice of materials we emphasize in high life times, short shut down periods and long term production runs, using for example quick change couplings and maintenance free lubrication.

Reliability: professional advice and observing dead lines

Professional consulting and adherence to schedules are a matter of course for RUREX. Long-term available partners and glass experts support our clients in all technical and operational matters at site. This is the foundation of our customer's relationship.





RUREX cast glassmachines: latest technology for the flat glass production

Features

Dimensions according
to customers request

Gross width:
approx. 1600 mm up to
max. 2700 mm

Melting capacity:
from 60 tons/day upward

Electronic controlled drives

Synchronous controlled
main rollers

Maintenance free roller bearings

Automatic wire-unwinder
with tension-control

RUREX cast glass machines of the latest generation for solar-, wired- and patterned glass are developed for the high demands of ultrathin solar glass. Manufactured according to the needs of our clients they integrate itself seamlessly into the individual production processes grace to modern design, latest technique and solid construction. Short shut down periods and long life times guarantee high economical productivity. Special requirements are realized on demand.

Advantages Production

- > Variable speed control
- > Electronic gap adjustment
- > Electronic controlled drives
- > Ultrathin solar- and cast glass production
- > Special ceramic coatings
- > Bottom roller cleaning during operation
- > Process control functions
- > Quick couplings
- > "Online" glassthickness measurement
- > "Air-case" system for thin glasses
- > Wired glass production with additional supply
- > Synchronous control of the main rollers for exact angle exact speed despite different roller diameters
- > Electronic controlled single drives

Advantages Operating time and Life-time

- > Shortest modification- and maintenance times
- > Quick machine changes
- > Solid and long-lasting construction



RUREX profile glass machines: flexible forming for architectural glasses

RUREX profile glass machines are optimized for the production of high-end architectural glasses. All requirements according to DIN/EN are achieved; the machines are step less adjustable to speed up production process and variability. Wire strings can be implemented for reinforcement. Design, construction and technique according to individual requirements fulfill highest demands. Special requests can be realized on demand.

Advantages Production

- > Stepless adjustable for all profile widths from 220 – 500 mm
- > Additional equipment enables the production of profile glass with wire strings on the same machine
- > Adjustments are possible during running production
- > Single drives electronic controlled

Advantages Operating time and life-time

- > Shortest modification- and maintenance times
- > Quick machine changes
- > Solid and long-lasting construction

Features

Dimensions: according to manufacturers request for U-profile glass as per DIN /EN, Profiles from U 22 up to U 50

Melting capacity: approx. 40 tons/day for a single belt plant

Profile with wire string reinforcement

Single drives electronic controlled

Maintenance free roller bearings



RUREX rollers: highest precision, highly efficient design and long life time

Application

- Forming
- Transportation
- Cooling
- Positioning

Rollers made from RUREX are used in all areas of the glass production since many years. The manufacturing process in our own plant enables us a short termed and individual transformation of all wishes of our clients.

To guarantee high glass quality and long tool life all RUREX rollers are made from high alloyed steels and can be coated on demand.

Product line

RUREX makes the most different roller types as per individual drawings and requirements:

- > Main rollers: Plain rollers, Engraved rollers for all pattern
- > Transport rollers
- > Table rollers
- > Annealing lehr rollers
- > Positioning rollers

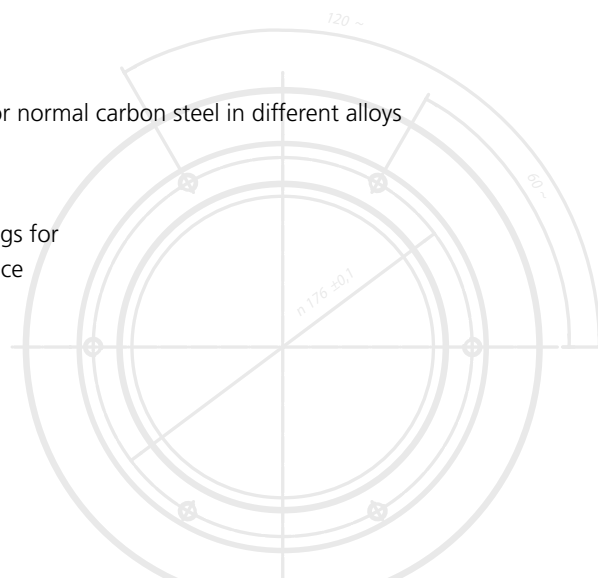
Material

High chromium steel or normal carbon steel in different alloys

Coating

Various ceramic coatings for

- > Higher wear resistance
- > Better glass quality





Equipment and spare parts for the glass industry

RUREX glass crusher

RUREX glass crushers recycle all flat-, patterned-, and wired glasses.

Wire and other metallic parts are fully separated; laminated glass can be treated as well.



RUREX main roller cleaning

The use of the RUREX special roller cleaning device enables our clients to clean all plain and engraved roller surfaces as well as the inner bore efficiently and cost saving.



Spare parts

An extensive amount of spare parts increases the life time and the productivity of RUREX plants and machines.





RUREX: long-lasting precision tools for the container glass production

Extremely wear resistant RUREX-products are worldwide in use in the hot end of the container glass industry since decades.

Our parts can be used in all common feeders, IS-machines and annealing lehrs.

Shear blades

RUREX supplies worldwide shear blades made from anticorrosive special heat treated steel – on request in special designs. Our highly developed manufacturing process guarantees best performance, precision and quality during the gob cutting process.



Flat springs for neck ring arms

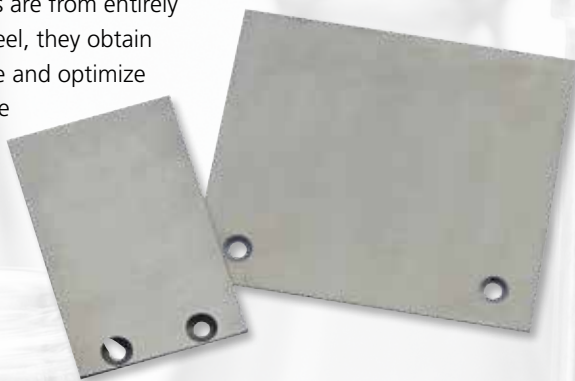
Flat springs made by RUREX are from high duty stainless spring steel. In the most different designs they are for the use in all existing neck ring arms and combine permanent high spring elasticity with a long tool life. Beside the flat springs RUREX offers stainless pressure springs for plunger mechanism etc. as well.





Transfer plates

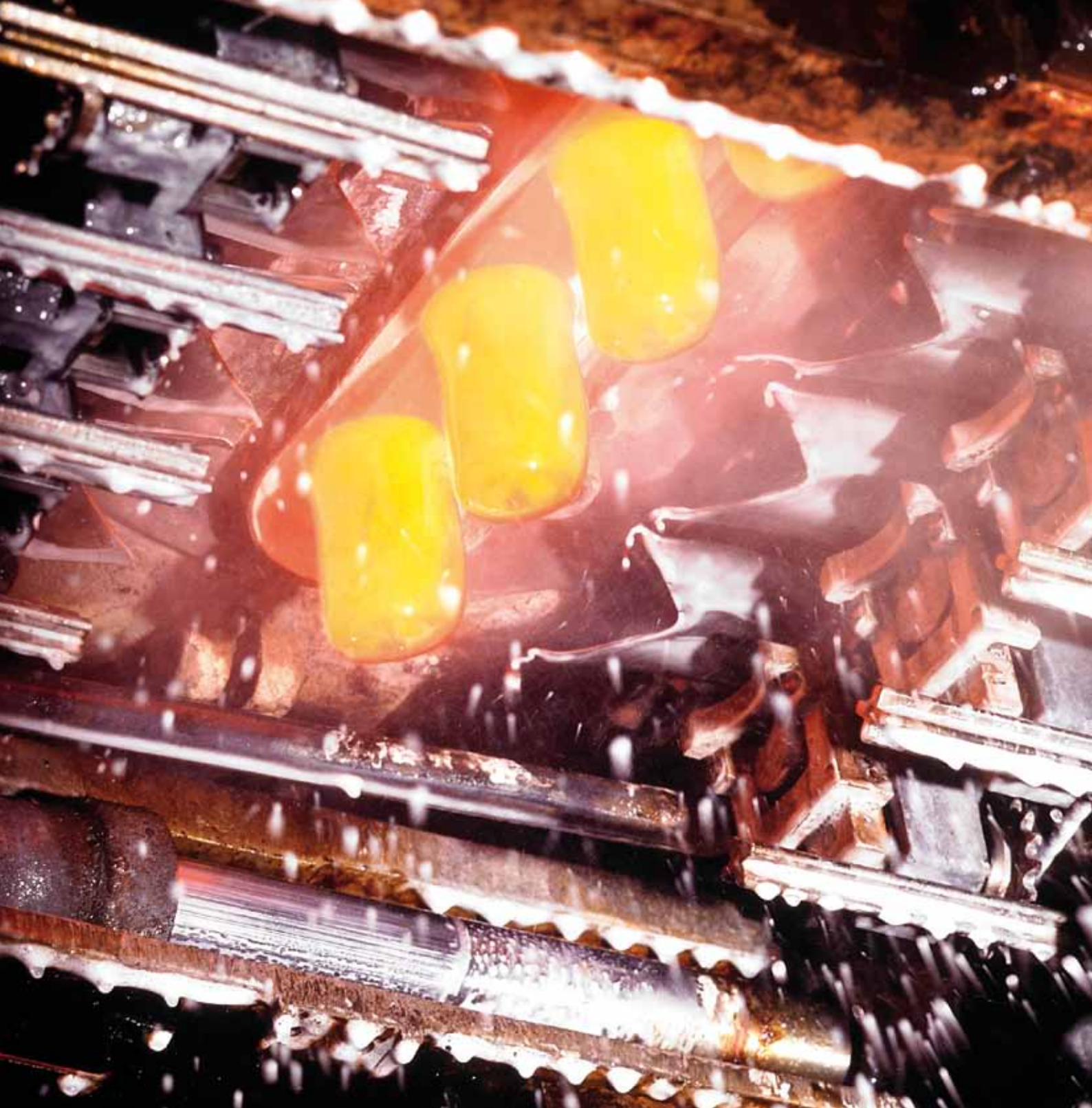
RUREX transfer plates are from entirely hardened stainless steel, they obtain extreme long life time and optimize the productivity of the container glass production.



Orifice ring holder

RUREX manufactures cost efficiently "MONOBLOC" orifice ring holders from high heat resistant special casted steel. The manufacturing process, seamless in one single part, guarantees phenomenal stability, persistence and reliability.





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