

Reinhardt-Technik Steckbrief

Profile and products

Status: November 2013



CONSTANT AS TO THE PROCESS
STABLE AS TO QUALITY

WHO WE ARE AND WHAT OUR GOOD NAME STANDS FOR!

It is not a secret that we are well reputed. Five decades in the art of engineering have ensured that one knows what the name Reinhardt-Technik stands for.

What was initiated in 1962 by a team of ambitious engineers has grown for half a century up to mid tier company that was capable to establish itself world-wide in the market as one the leading suppliers of metering and mixing plants.

Since 2012 Reinhardt-Technik belongs to the J. Wagner GmbH. Wagner is a leading manufacturer of surface technology with more than 1.200 employees world-wide and headquarters in Markdorf at Lake Constance.

It is the target of the Wagner-Group to capture the market of „Bonding and Sealing“ thus banking on Reinhardt-Technik's technical know-how and market knowledge.



WAGNER



**A strategic and strong partner takes
hold in the field of „bonding & sealing“!**



Reinhardt-Technik profile and products

PLANTS/PROCESSES/ACCESSORIES/SERVICES

With its extensive plant program including all common process concepts – from pneumatically driven piston pumps up to hydraulic controlled dosing plants with static and dynamic mixing units – the company Reinhardt-Technik grants processing of cold or warm treated one-component materials, two-component materials and more-component liquid polymers.

In addition to our dosing and metering technology we provide as general supplier complete systems as for example production cells with CNC-handling or robots, combined with work piece transport systems as production platform or integrated into a production street.

As specialist for bonding, sealing and casting technologies with our piston and gear dosing systems as well as electric dosing system we process materials such as polyurethane, polysulphide, epoxy, silicone and LSR (liquid silicone rubber).



FACTS AND FIGURES



Employees	100
Foundation	1962
Acquired by Wagner	2012

Turnover share per division:

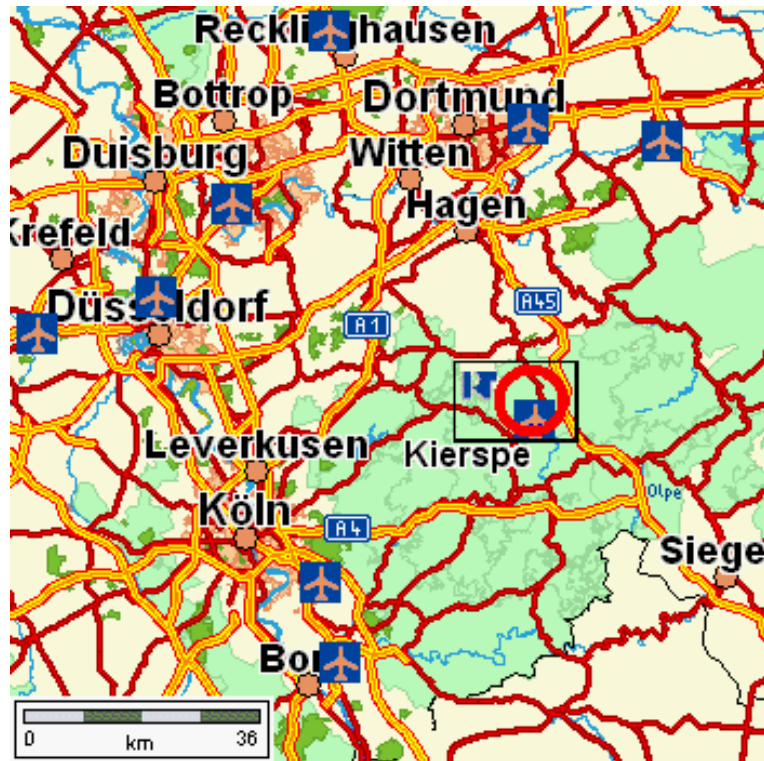
Project / Customized	40 %
Standard	30 %
Service parts / Others	30 %



LOCATION: KIERSPE



HOW TO FIND US:



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WHERE ARE WE IN GERMANY?



Reinhardt-Technik GmbH
Headquarter
58566 Kierspe (NRW)

	<u>PLZ</u>
➤ Area North and East	(0-4)
Mr. Adolf	
➤ Area West	(5-6)
Mr. Esters	
➤ Area South 1	(7)
Mr. Voith	
➤ Area South 2	(8-9)
Mr. Strauß	

Who takes care of you in Germany?



WHERE ARE WE IN EUROPE?

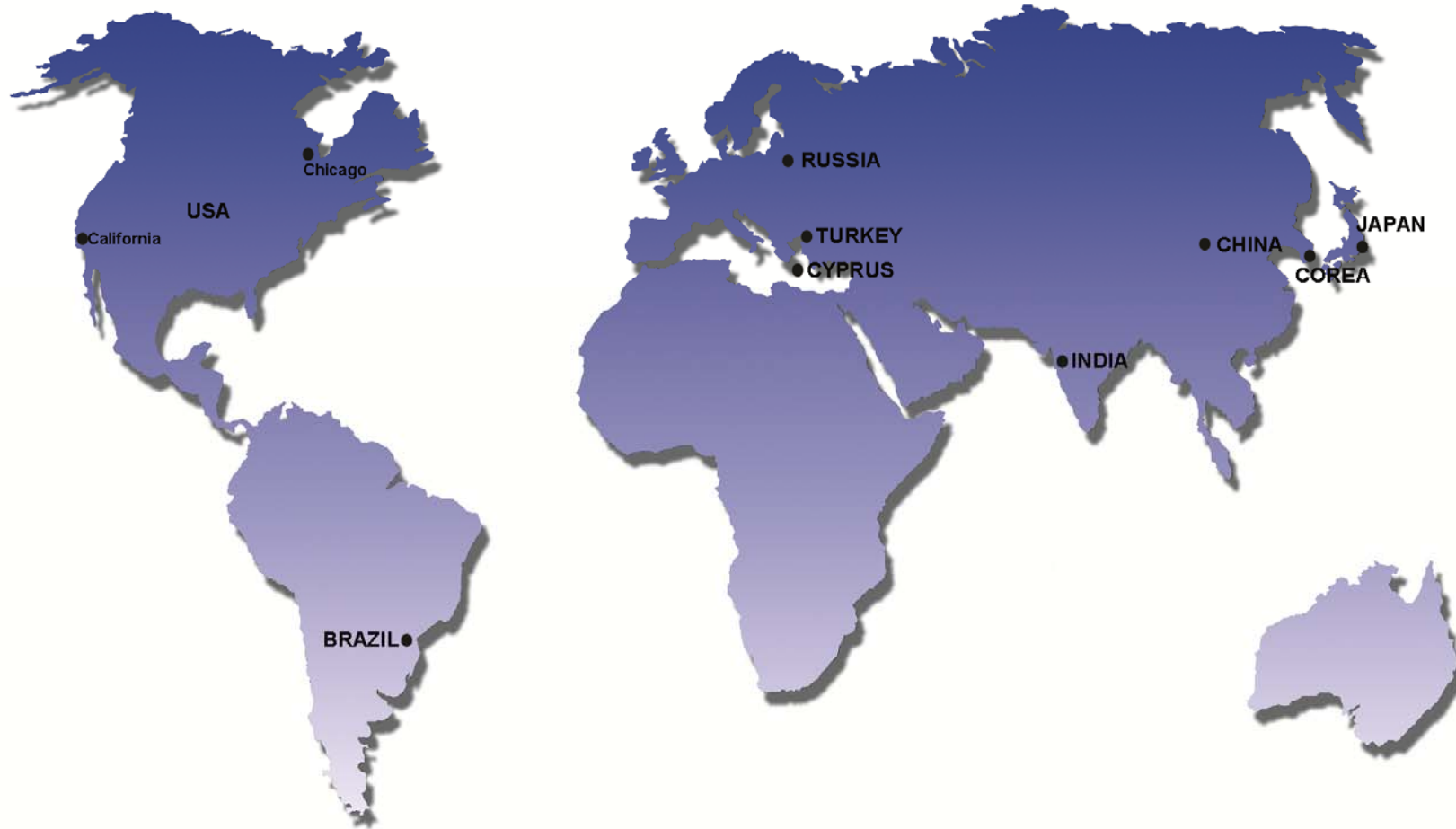


- Benelux
- Bulgaria
- Denmark
- Estonia
- Finland
- France, North Africa ⇒ C. Montigny
- Great Britain
- Italy
- Latvia
- Lithuania
- Norway
- Austria ⇒ B. Strauß
- Poland
- Rumania
- Russia
- Sweden
- Switzerland ⇒ E. Voith
- Spaine/Portugal
- Czech Rep.
- Turkey
- Cyprus

Who takes care of you
in your country?



OUR GLOBAL PRESENCE



Who takes care of you
in your country?



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WHO ARE OUR CUSTOMERS?



Household appliances/electrical engineering/electronics

Environmental technology bonding of solar panels / photovoltaic

Electrical casting / Medical engineering

Wind energy

Windows/door systems/construction elements

WHO ARE OUR CUSTOMERS?

BTR (Bus / Truck / Rail)



The TrailerCompany.



JOHN DEERE



A PACCAR COMPANY



Automobile industry



Ancillary industry/integrators



solutions for your needs.



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ONE COMPONENT PLANTS

VISCO STAR 200, VISCO STAR 20 LC AND VISCO STAR 20 PLUS



- 1 component system for processing of high viscous and reactive materials



- 1 component technology for fast hardening processes with booster paste
- Mobile plant system – also available as Visco Star 200 Plus



TWO COMPONENT PLANTS

THE NEW ECOSTARS

Piston dosing and mixing plants for manifold industrial applications



THE PNEUMATIC



ECONOMICAL.....



AND VARIABLE VERSION

Reliable and simply good with respect to the conception!

- Adjustable mixing ratio
- Dosing control device
- Material shortage control
- Over-pressure safety device
- Follow plate for reduced residue

- Low-maintenance dosing pump sealing systems
- 200 l – drum garage for ergonomic drum change
- and much more!

Dynamic-Mix 3.0

Dynamic mixer with one-way mixing chamber and two component swivel joint for integration into glass sealing plants



Garantor for high savings potential!



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TWO COMPONENT PLANTS

CONTI FLOW

Two component gear dosing and mixing plant
Designed for the application of adhesives and casting materials



CONTI FLOW COMPACT

Genius things can be so easy!

- Attractive industrial design mounted on small ground plant
- Ergonomic operating console
- Compact construction
- Clearly arranged inside
- Easy to maintain
- Highest dosing precision
- Flexible material feeding
- and much more!



GEAR PUMPS

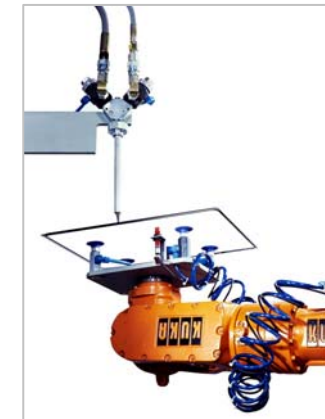


CONTI FLOW STANDARD

Mobile gear metering and mixing machine

For processing of liquid to highly-viscous two-component materials:

- Short ways of the material behind the metering unit ensure high metering accuracy
- Flexible use due to swivel arm
- Balancer to reduce the strain on the operator
- The scope of supply includes the application gun with separate valves for the components



CONTI FLOW ROBOT

Two component gear metering and mixing plant in modular construction

Dosing unit for highest precision according to the customer's ideas as:

- compact X-Y table
- CNC-controlled application centre
- robotic controlled production cell
- fully automated production unit

The Conti-Flow Robot presents the turnkey solution also for the most complex production requirements.



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TWO COMPONENT PLANTS

LSR 200 ELA

For processing of Liquid Silicone Rubber – with electrical drive

Simultaneous emptying of the drums ensures that the material residual in the drums remains <1%



Optionally, the plant is available with housing in light-weight material. Upright-opening doors provide ideal saving of space.

ELECTRICAL DRIVE ANTRIEB and pump together regulate the material flow as save as a dosing unit can do.



Features of the new processing unit!

- static mixer and material pressure regulator
- adjustable colour dosing (option)
- device for easy pressure relief
- integrated tripod
- pressure indicator
- shut-off valve



TWO COMPONENT PLANTS

2-component volumetric dozer-VD, electrical

For processing of adhesives and sealing compounds

Ideal for applications in small quantities and for processing of abrasive materials

For highest precision and process liability



Constructional features

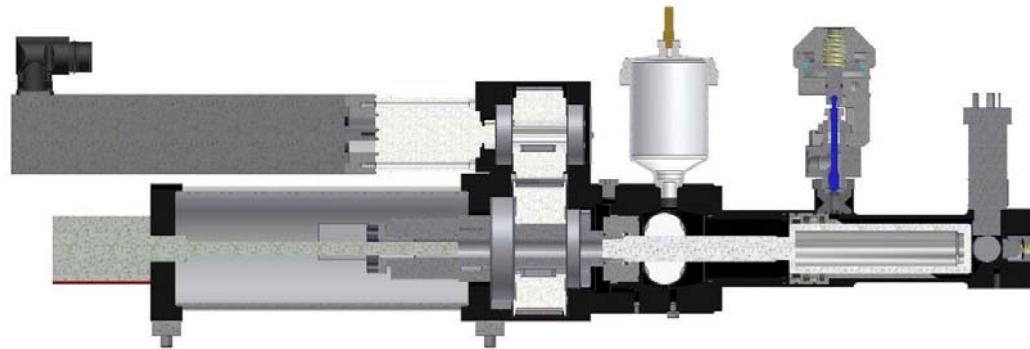
- Compact construction
- zero-backflash ball screw
- low weight
- high-strength aluminium alloy
- as option also with dynamic mixing system (see image)



TWO COMPONENT PLANTS

PROCESS SAFETY USING THE EXAMPLE OF AN ELECTRIC DOSING SYSTEM

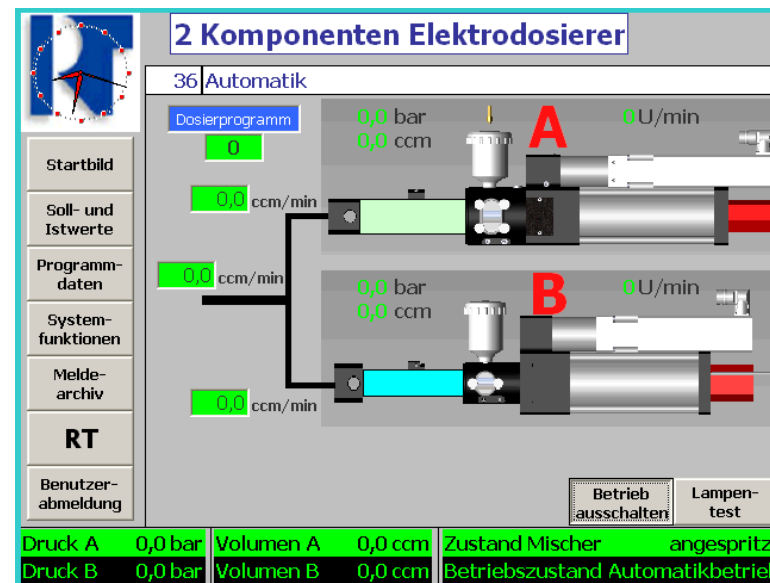
- Drive by a servomotor
 - Position feedback by a resolver
 - Direct mechanical coupling with the dosing piston
- Direct position measuring on the dosing position
 - Integration into a control circuit
- Pressure monitoring
 - Control technique
 - Compression monitoring



Construction of an electrical dozer

CONTROL

- Stored program control system (SPS)
- Visualization on an operator panel
- Parameters can be retrieved and changed via the display
- Failures are indicated in clear text at the display
- Process-related parameters are recorded and saved on a USB memory stick

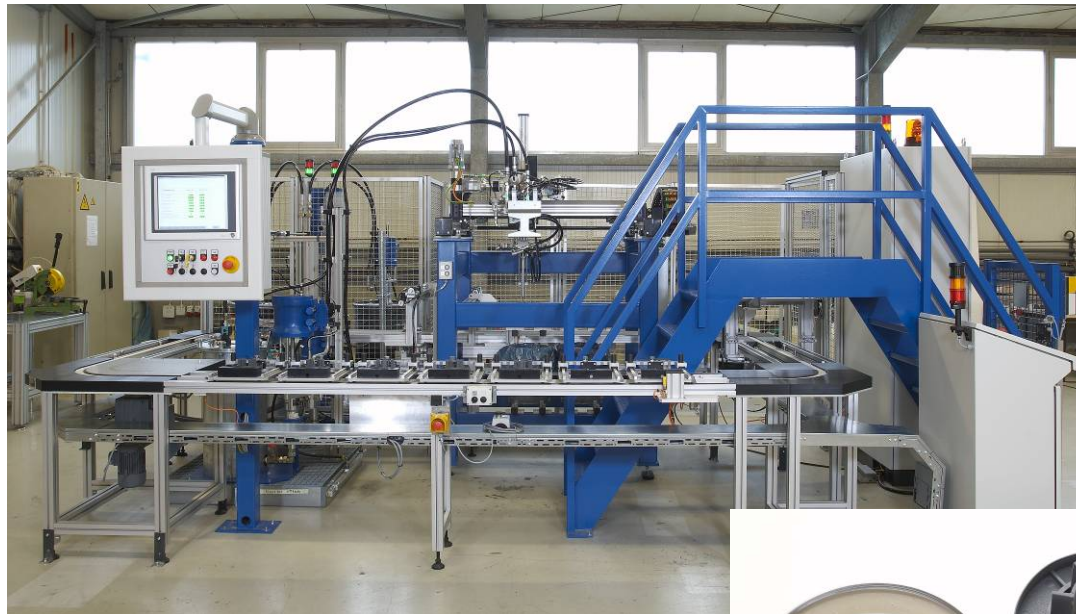


Display/Main operation screen of a
two-component electric dozer

Reinhardt-Technik as turnkey system supplier

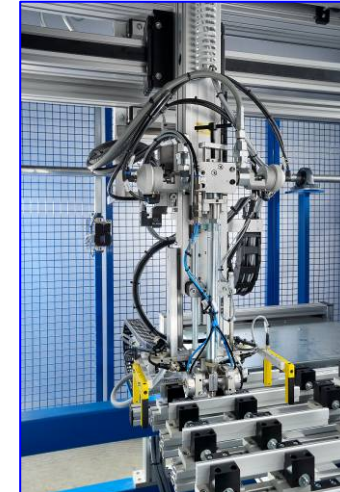
Filter casting

The entire plant system and the final product / filter cover



Reinhardt-Technik as turnkey system supplier

Bonding of glass and frames for shower partitions



Reinhardt-Technik as turnkey system supplier

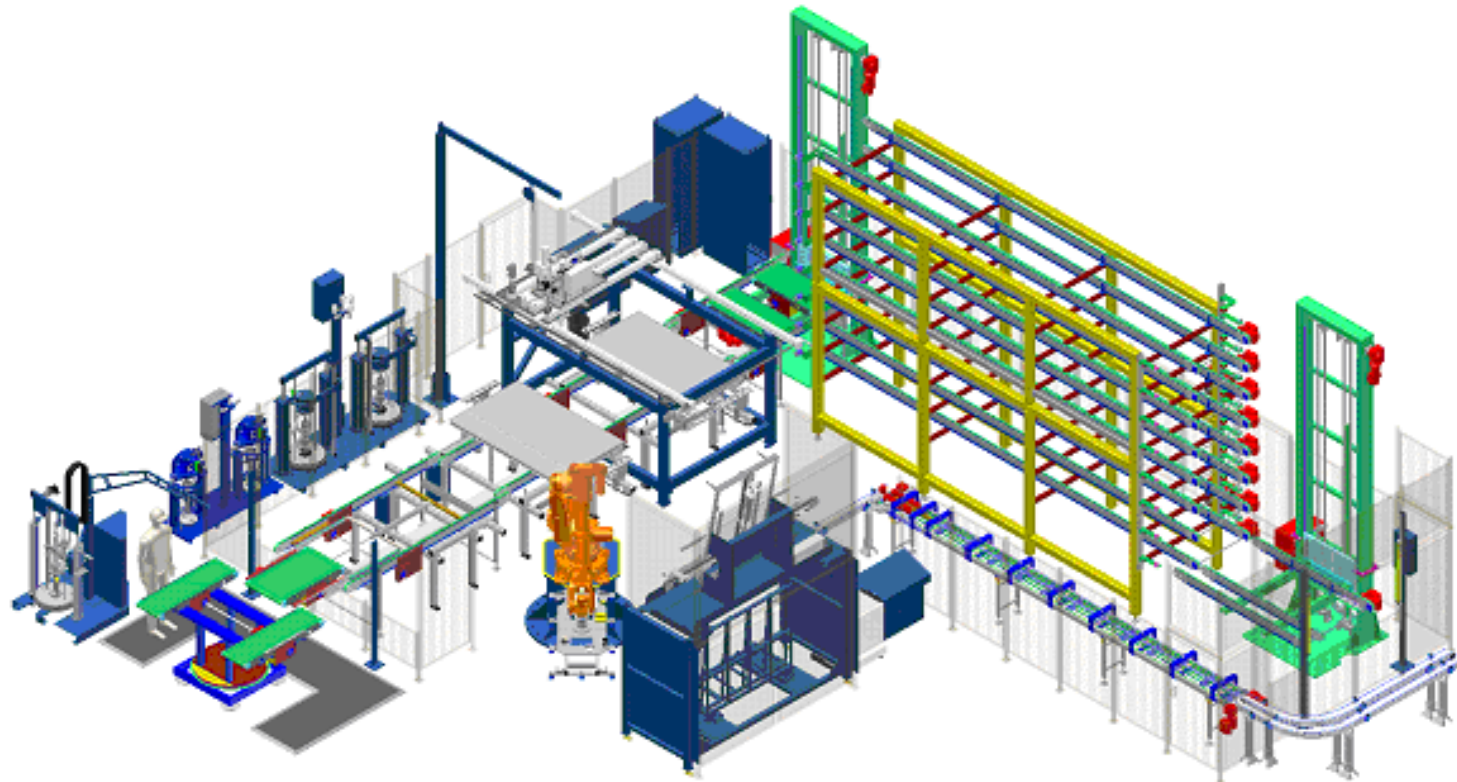
Turnkey system for bonding of solar panels

FA. VISSMANN



Reinhardt-Technik as turnkey system supplier

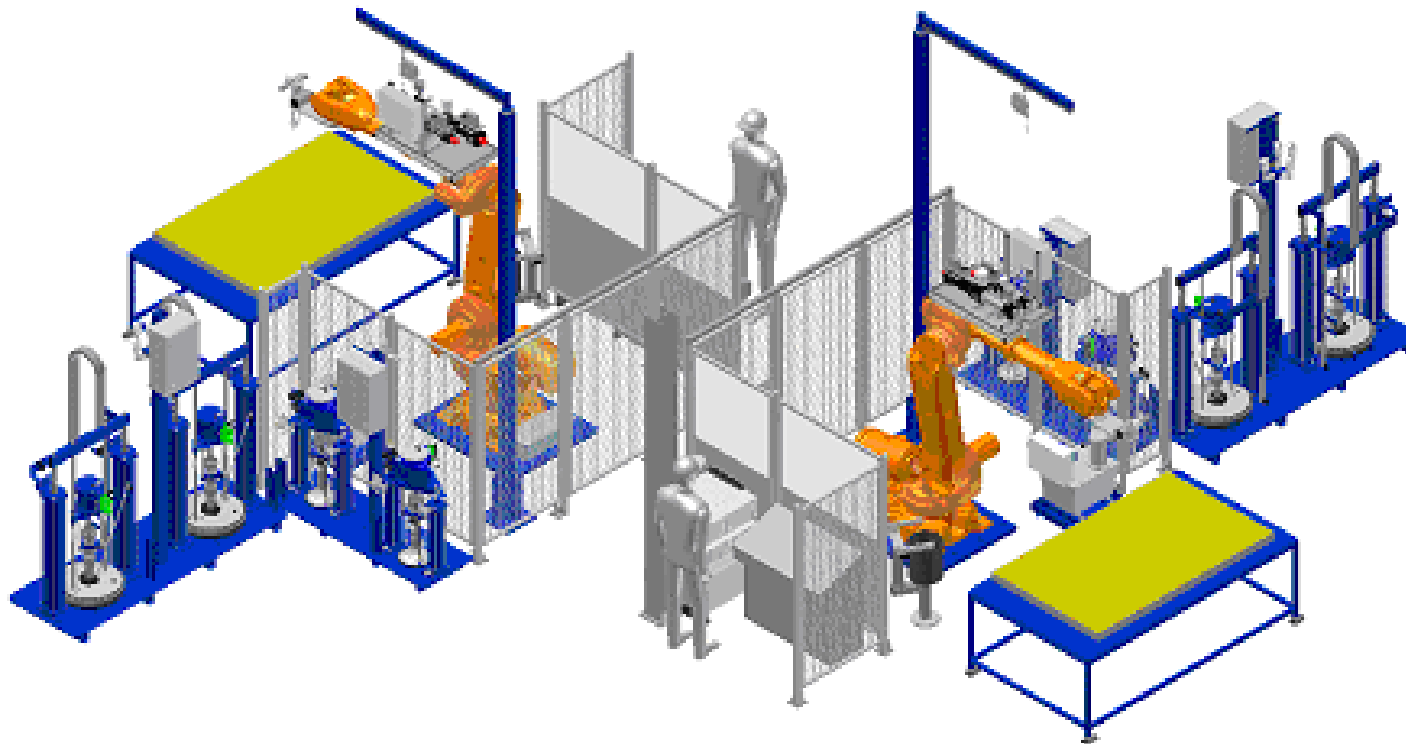
FA. ROTEX



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Reinhardt-Technik as turnkey system supplier

FA. VAILLANT FRANKREICH



THANK YOU VERY MUCH FOR YOUR ATTENTION

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