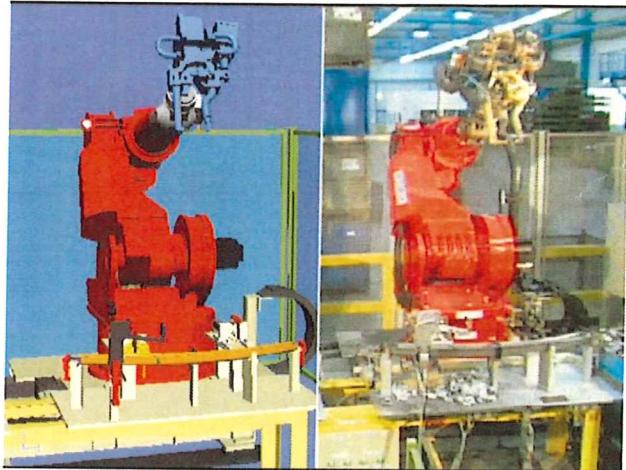


REIS ProSim - Simulation software

ProSim allows visualization and simulation of new or modified robot processes and installation concepts offline at the PC. The realistic representation of all installation components and sequences already in the planning phase ensures a reliable process analysis. This reduces the program-related machine downtimes up to 80%.

Advantages:

- Robot programming and program test run with integrated anti-collision check on Windows-PC
- Graphical programming
- Reduction of the program-related machine downtimes
- Realistic planning and reliable feasibility studies of the robot processes
- Examination of the cycle time
- Direct data exchange via the robot
- Signal simulation
- Import of 3D CAD geometry via various interfaces possible
- 3D CAD module for modeling of robot and work cell
- Layout generation functions: Loading, deletion, placing, duplication and measuring of objects



All control functions run in RobOffice under the same conditions like in the real control ROBOTstarV. Thus, you will receive reliable information about program operation, cycle times and accessibility of positions.



In cooperation with:



eMPower™

With ProSim you can plan and analyze process sequences and cell concepts true to reality. ProSim explains all traversing movements of the robot, anti-collision examinations and the cycle time.

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Reis GmbH & Co. Maschinenfabrik · P.O.Box 110161 · D-63777 Obernburg
Tel: ++ 49 (0) 60 22-5 03-0 · Fax: ++ 49 (0) 60 22-5 03-110 · Internet: www.reisrobotics.de

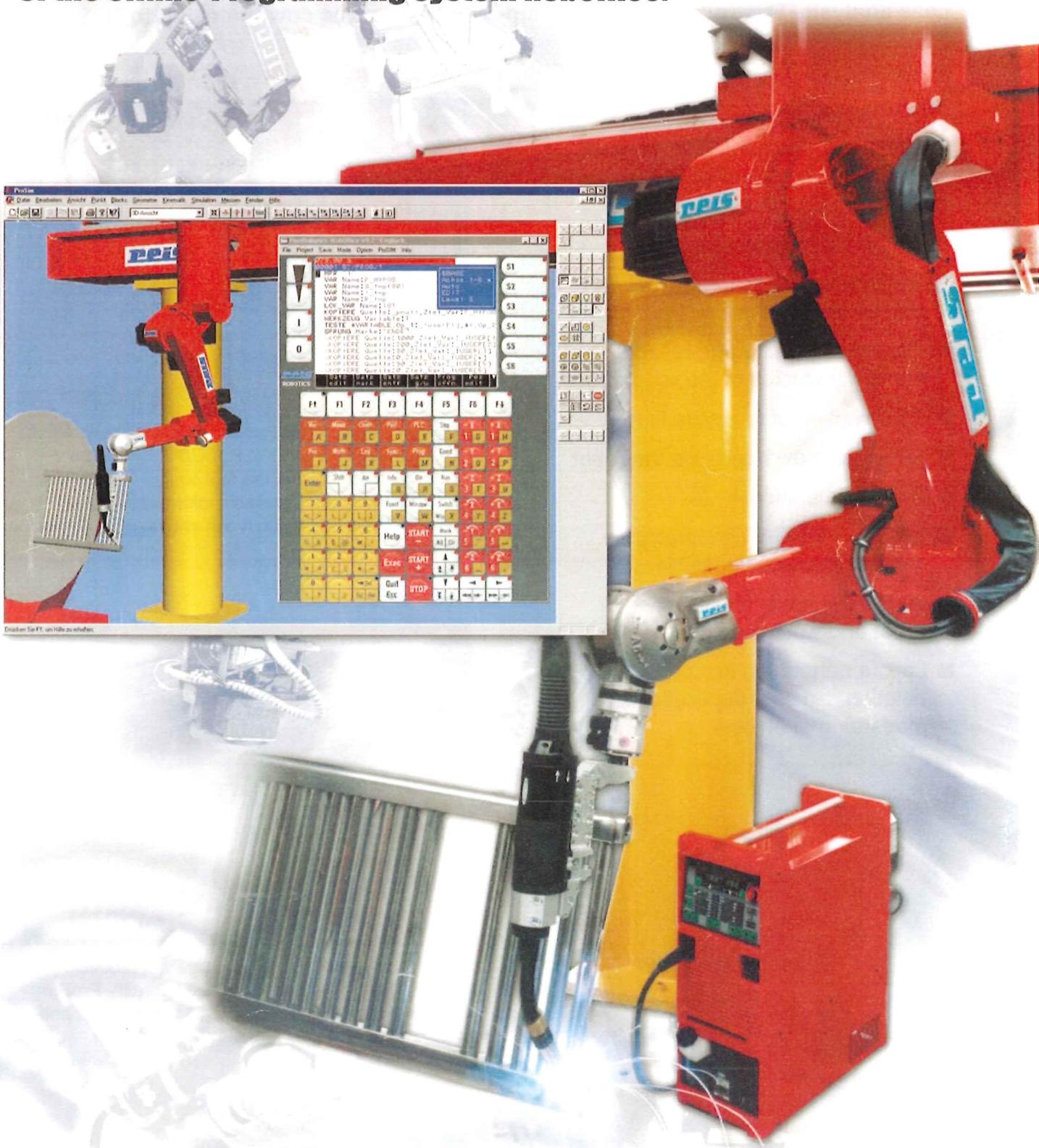
Reis Subsidiaries in Italy, France, Spain, Czech Republic and Brazil. Sales and service in many countries.

REIS ProSim

The simulation software for optimal extension and visualization of the Offline-Programming system RobOffice.

RobOffice - offline tool

RobAssist - application related programming and operating tool



REIS ROBOTICS - leading in systems integration

Complete systems from one source.
Competent, custom and economical.

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REIS ROBOTS and PERIPHERAL MODULES

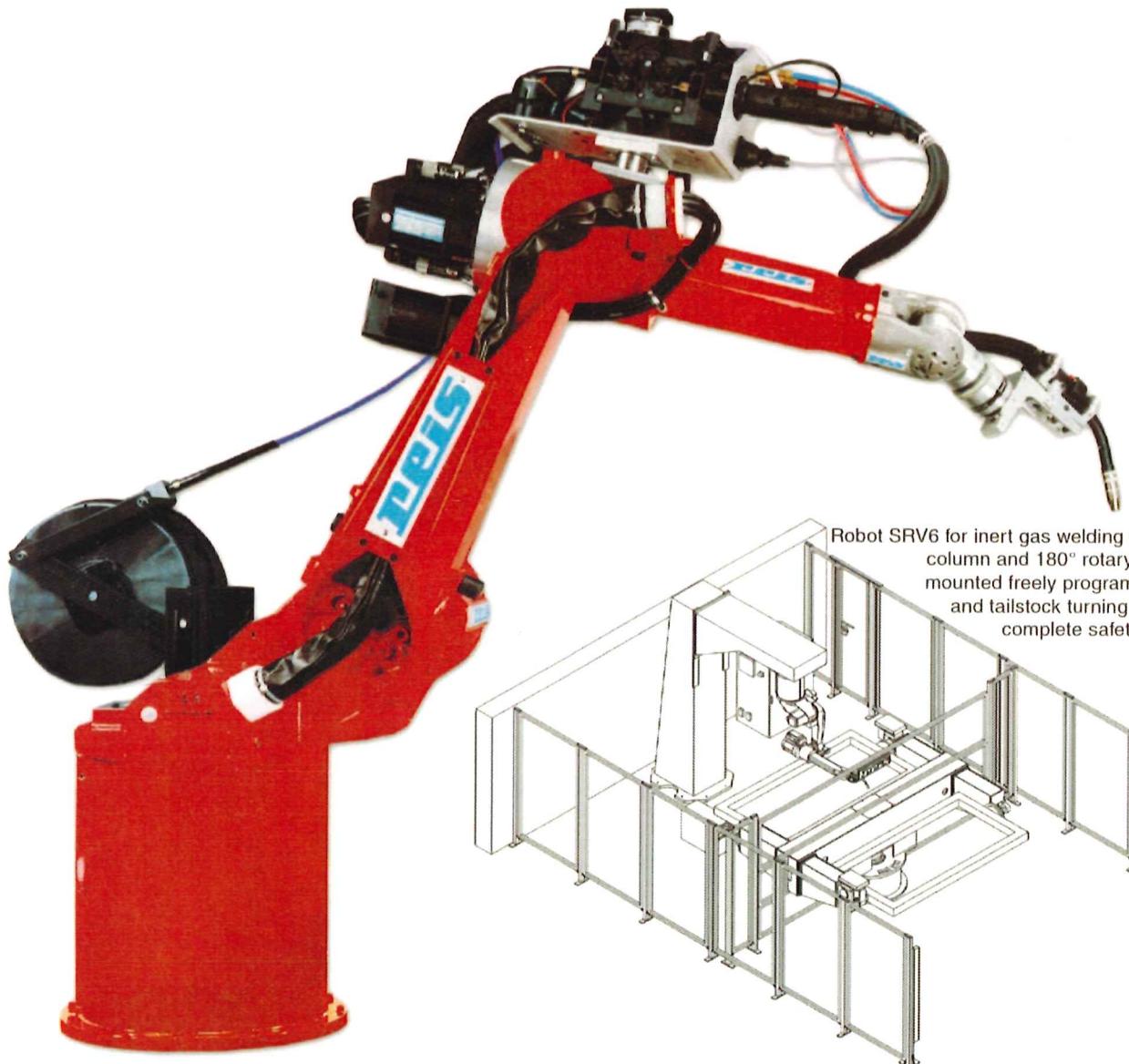


**WELDING
& CUTTING**

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REIS ROBOTS

Robot series	Max. load	Add. load	Work envelope
SRV4	4 kg	6 kg	Ø 2,160 mm
SRV6	6 kg	10 kg	Ø 3,050 mm
SRV6L	6 kg	10 kg	Ø 3,450 mm
SRV16	16 kg	10 kg	Ø 3,070 mm
SRV16L	16 kg	20 kg	Ø 4,800 mm



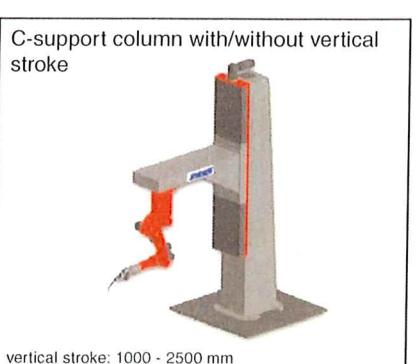
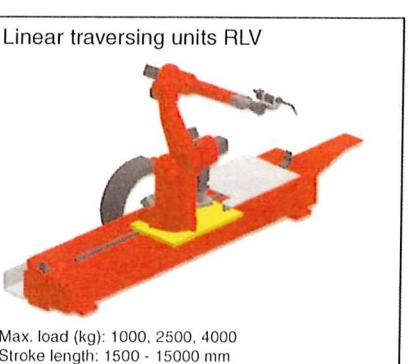
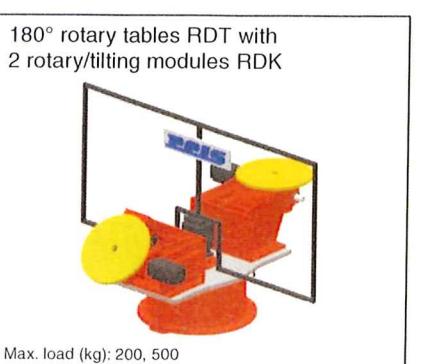
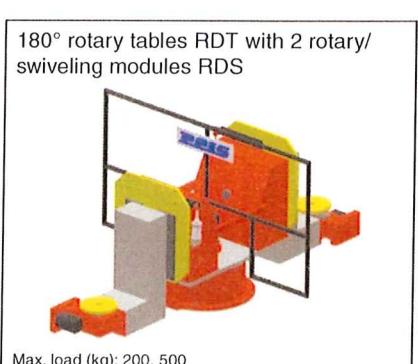
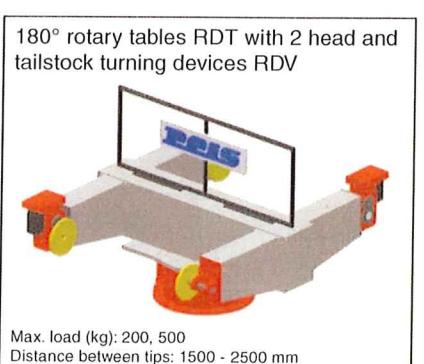
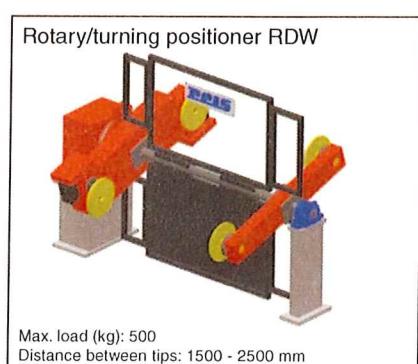
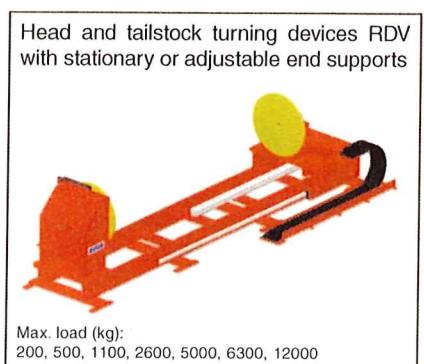
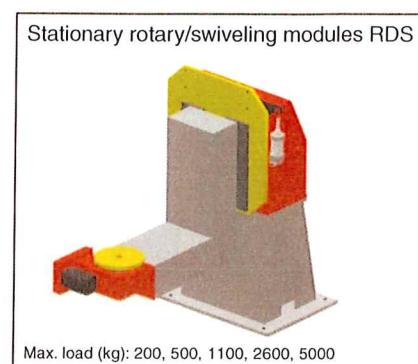
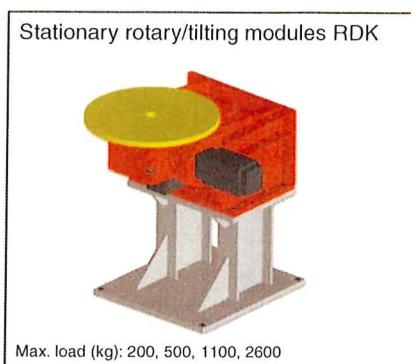
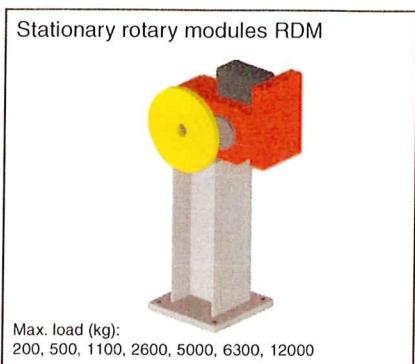
Robot SRV6 for inert gas welding at C-support column and 180° rotary table with 2 mounted freely programmable head and tailstock turning devices and complete safety equipment

Advantages:

- Usable for all welding and cutting tasks
- Repeatability ± 0.05 mm or ± 0.1 mm depending on robot series
- Shortest cycle times due to high dynamic AC servo motors
- Transformation of multiple axes of all additional peripheral axes
- Reduced programming efforts due to e.g. automatic program adjustment

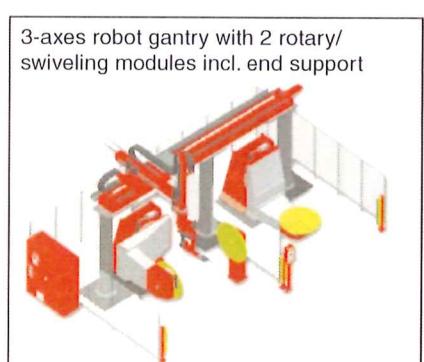
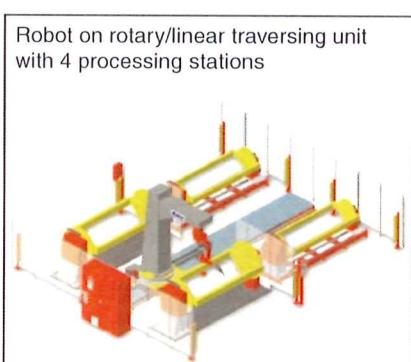
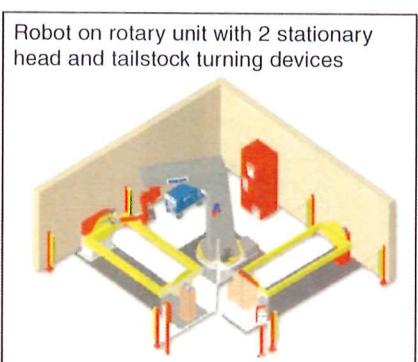
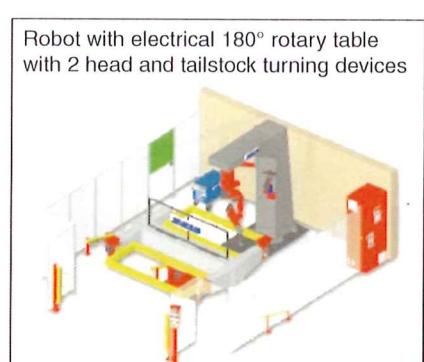
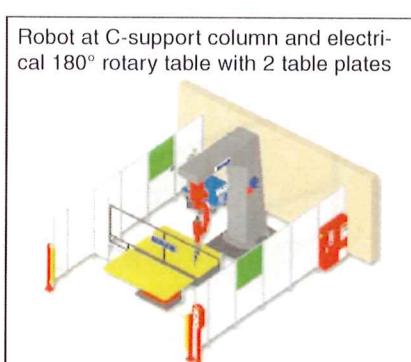
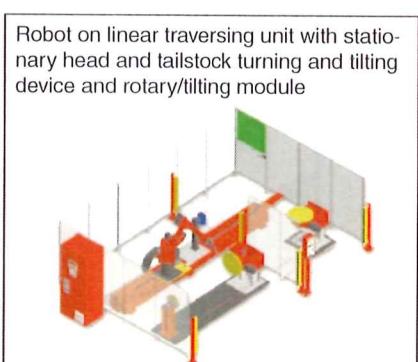
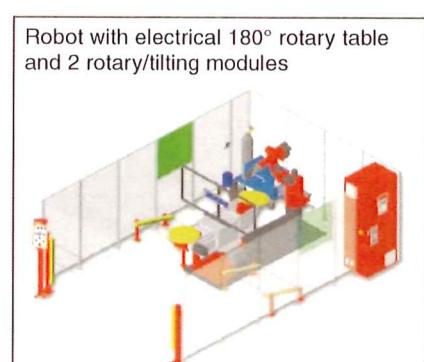
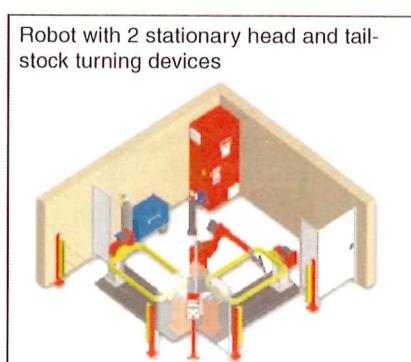
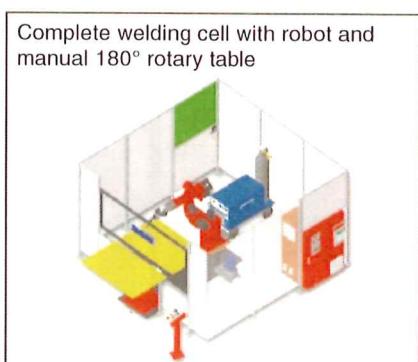
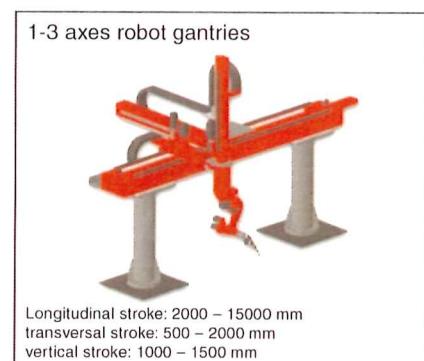
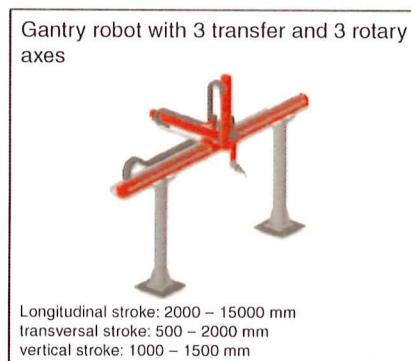
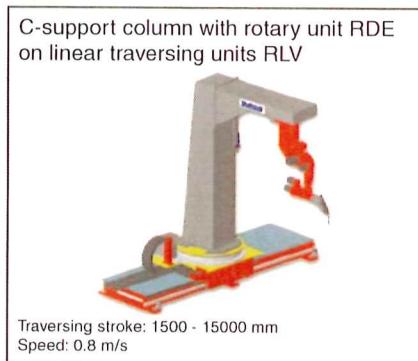
REIS STANDARD PERIPHERAL MODULES

The standard peripheral modules are freely programmable and fully integrated into the robot control. Thus workpieces are provided to the robot in an optimum way. This ensures highest quality at shortest cycle time.



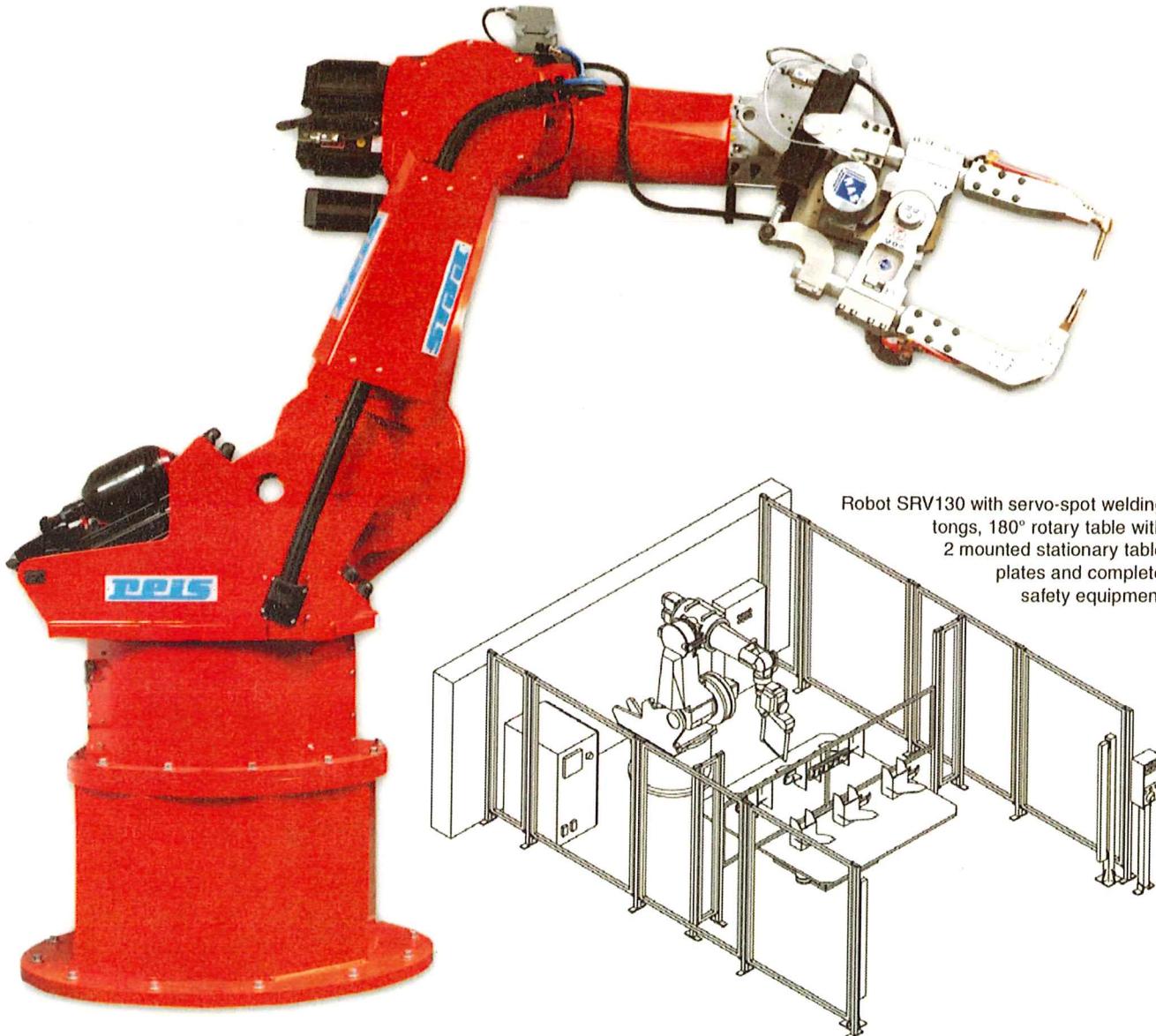
REIS STANDARD PERIPHERAL MODULES

The standard peripheral modules are freely to combine among each other. With it, standard systems can be arranged individually with up to 24 freely programmable axes at low cost.



REIS ROBOTS

Robot series	Max. load	Add. load	Work envelope
SRV40	40 kg	20 kg	Ø 5.300 mm
SRV40S	40 kg	20 kg	Ø 5.900 mm
SRV60	60 kg	20 kg	Ø 4.500 mm
SRV60L	60 kg	20 kg	Ø 5.960 mm
SRV60LS	60 kg	20 kg	Ø 6.600 mm
SRV130	130 kg	80 kg	Ø 5.194 mm



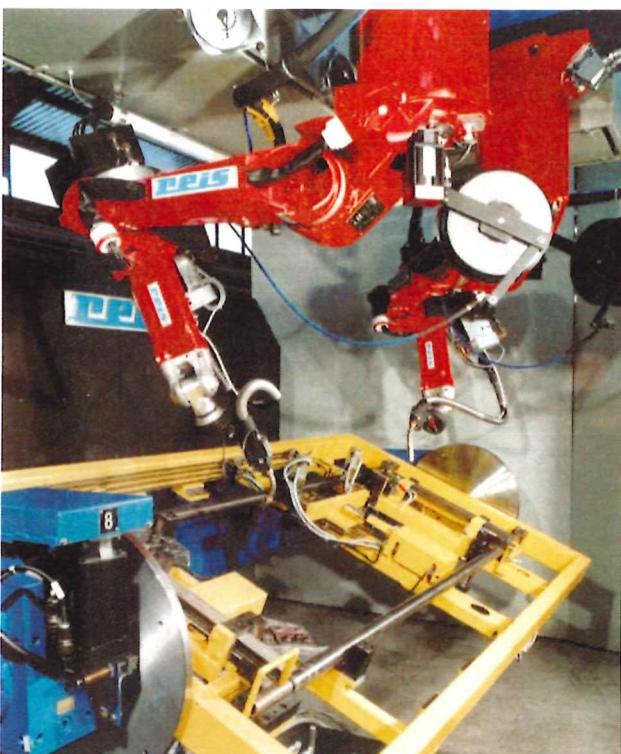
Advantages:

- Usable for all joining tasks e.g. spot welding, punch riveting, pressure joining etc.
- Handling of components beneath a stationary welding or cutting torch or joining tool
- Repeatability ± 0.1 mm or ± 0.4 mm depending on robot series
- Error-tolerant position measuring system towards external interference
- Graphical offline programming system to increase the system utilization

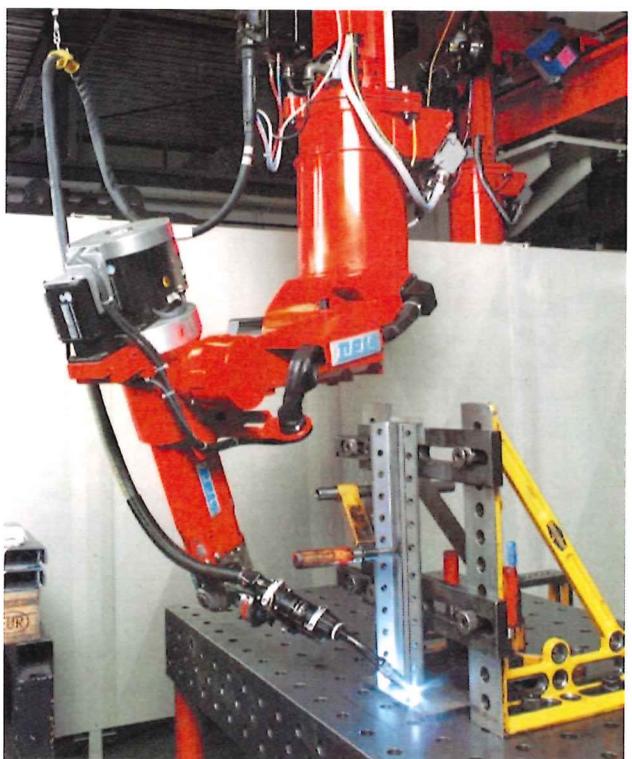
REIS APPLICATIONS



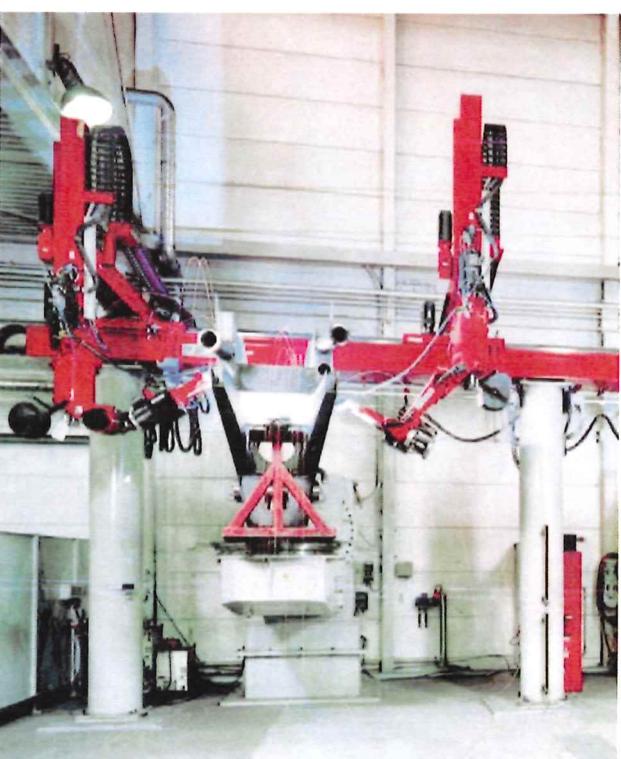
MAG welding of fuel tanks



Master-slave system for scaffold components



Small series production with modular fixtures construction



Gantry welding system for large components

schweißen_peri_04_03

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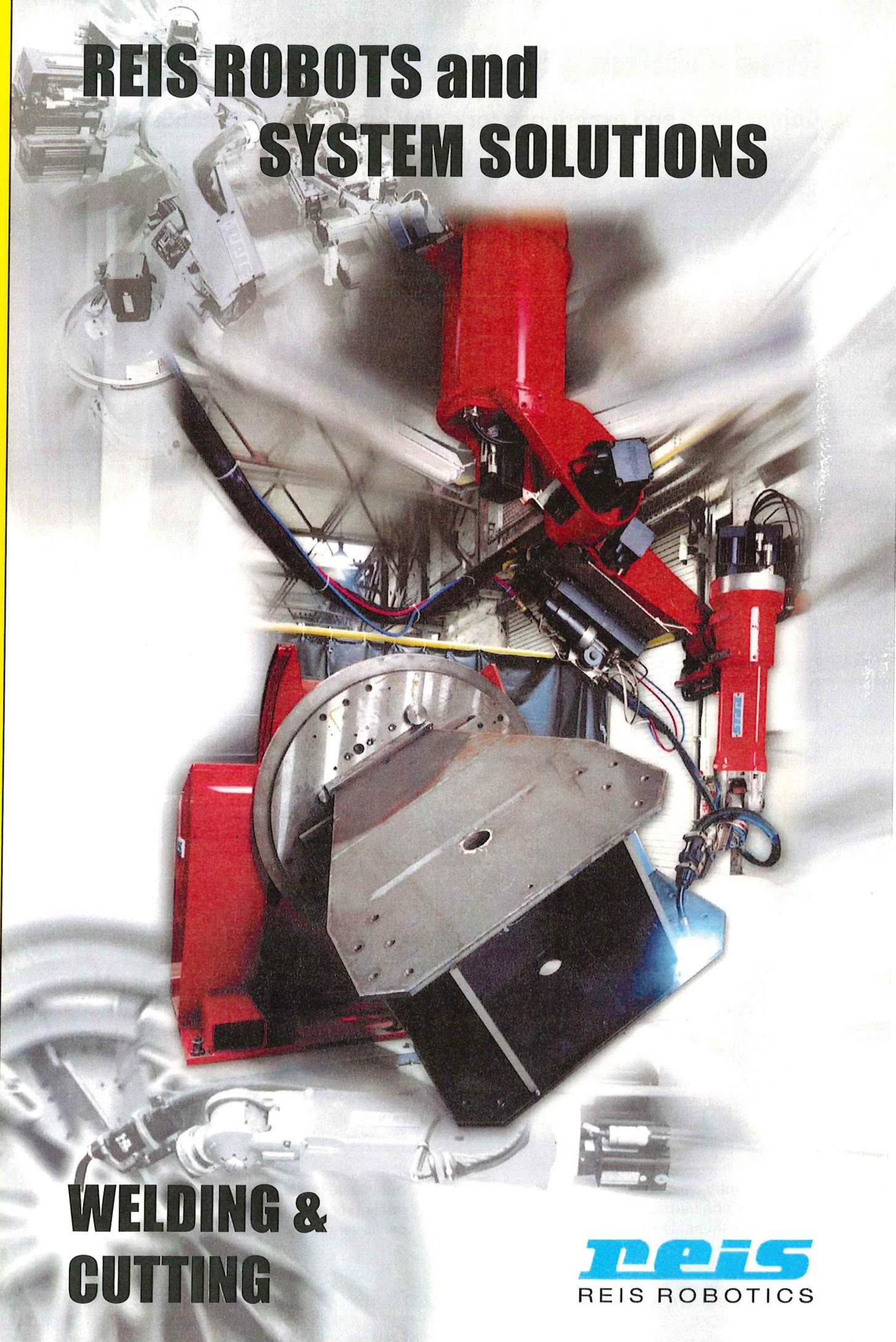
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REIS ROBOTS and SYSTEM SOLUTIONS

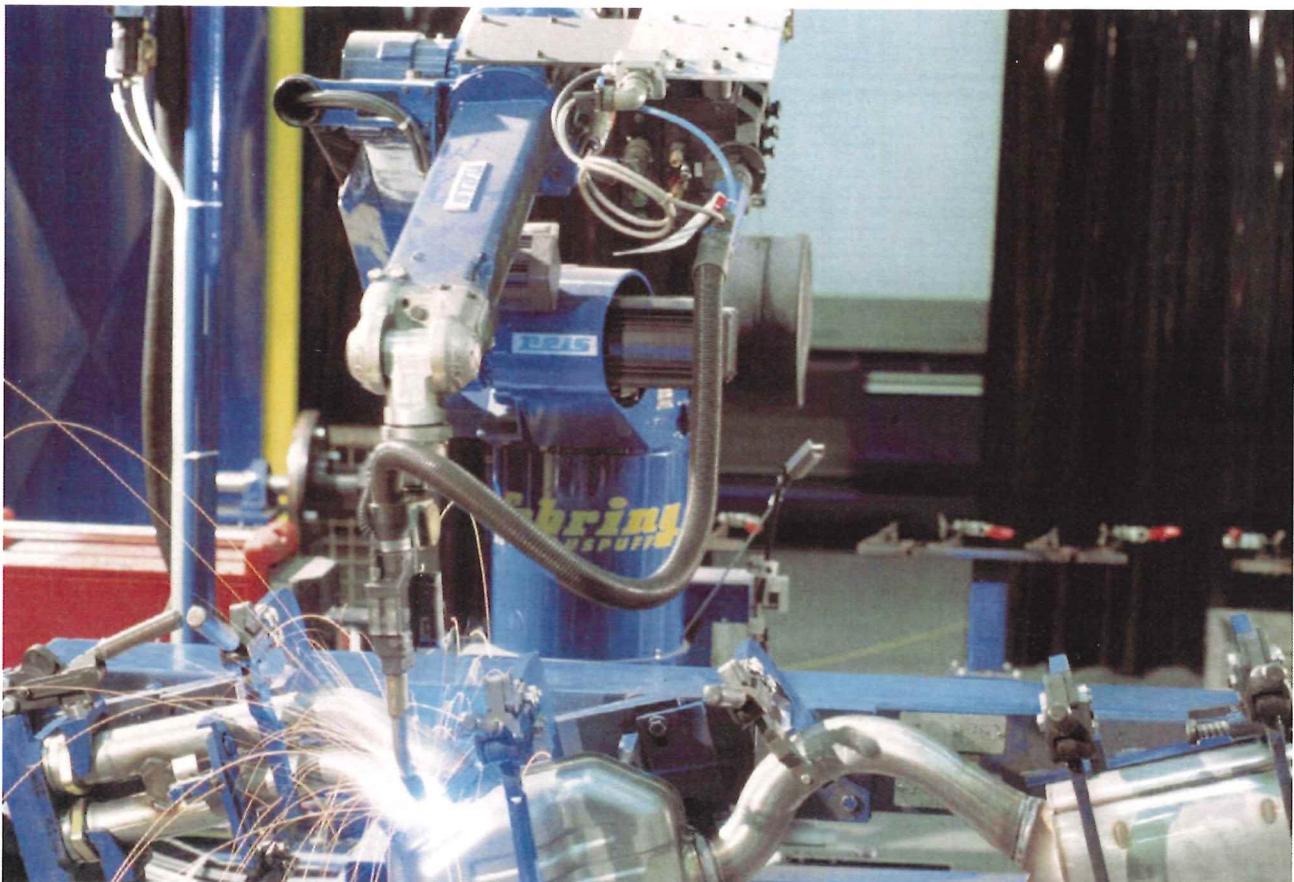


**WELDING &
CUTTING**

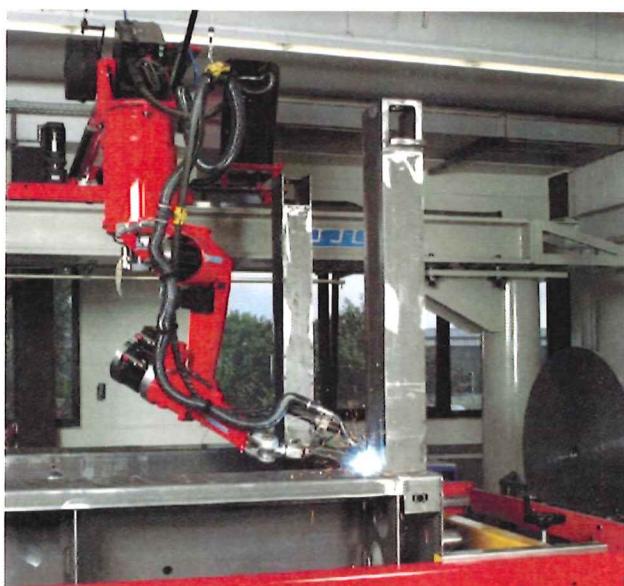
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MAG welding systems

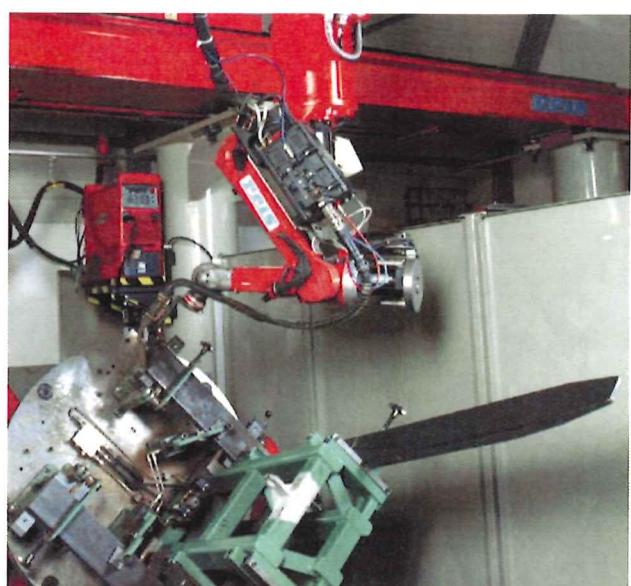
Competence and experience for solutions proven in practical use



6-station welding system with 3 robots for automated production of exhaust systems in thin sheet metal.
Integrated process and quality monitoring.

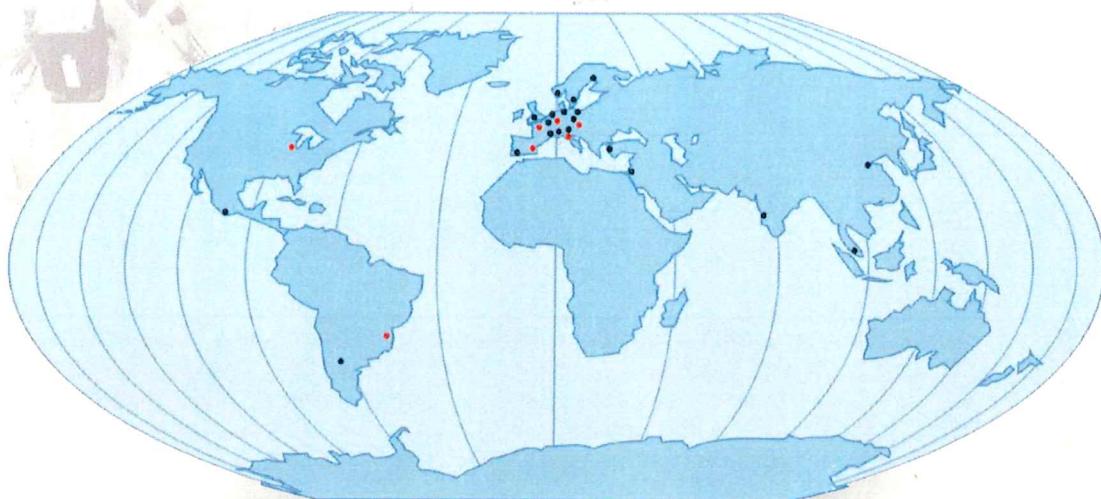


12 axes gantry welding system for the production of heavy machine frames. Components positioning via freely programmable rotary/lifting axis.



Automated production of forks for lifting trucks through freely programmable rotary/tilting modules and robot cantilever gantry.

REIS ROBOTICS – All over the world



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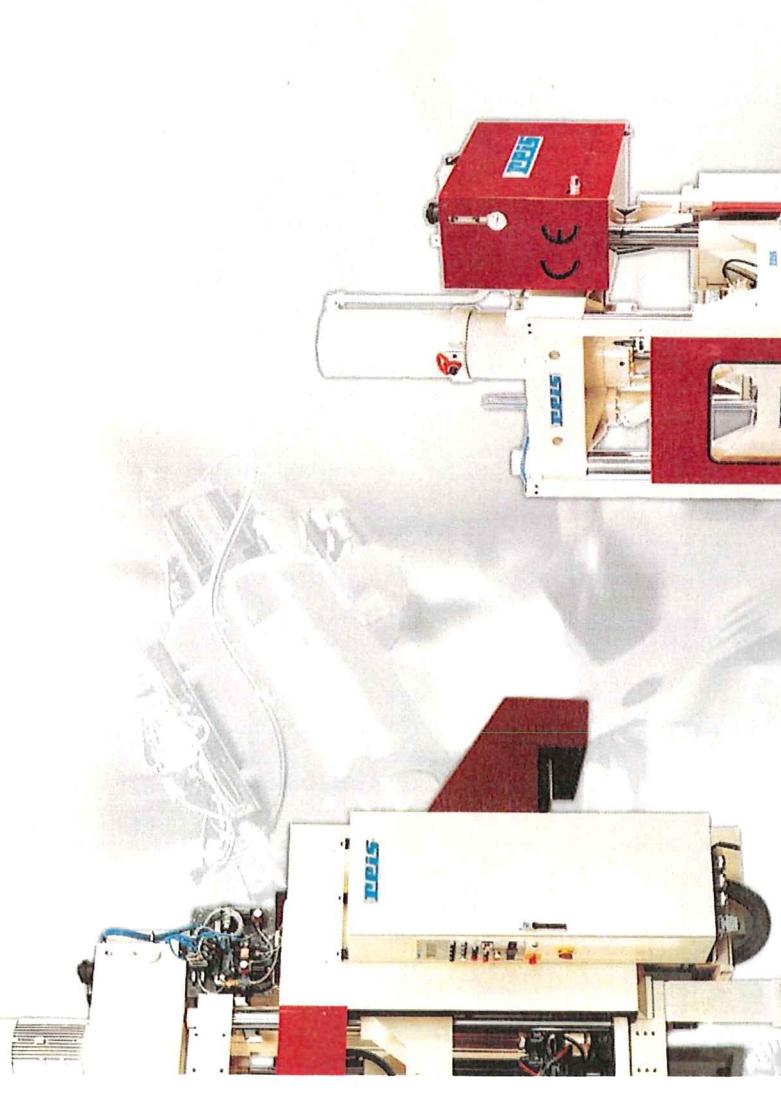
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The performance is based on state-of-the-art machinery &
control. Up-to-date manufacturing methods and systems &
and high performance technology.



A complete series.
precision and

100 % calibration of all robots



Hydraulic try-out and spotting presses make dies and
tools ready for production at low cost and high quality.



Final assembly of a group of robots.



Our own manufacture of precision components
and quality inspection.



Employees for consultation, planning, project design and execution ensure competent attention during all phases of the project. The subsidiaries and partners ensure full support and fast service on site worldwide.



on and planning for correct customized



Highly qualified service technicians for assembly and installation, commissioning and programming guarantee continuous, fast and economic service for the life of the product.



ering in modern



Commissioning an operation by the customer



Full training programme



and

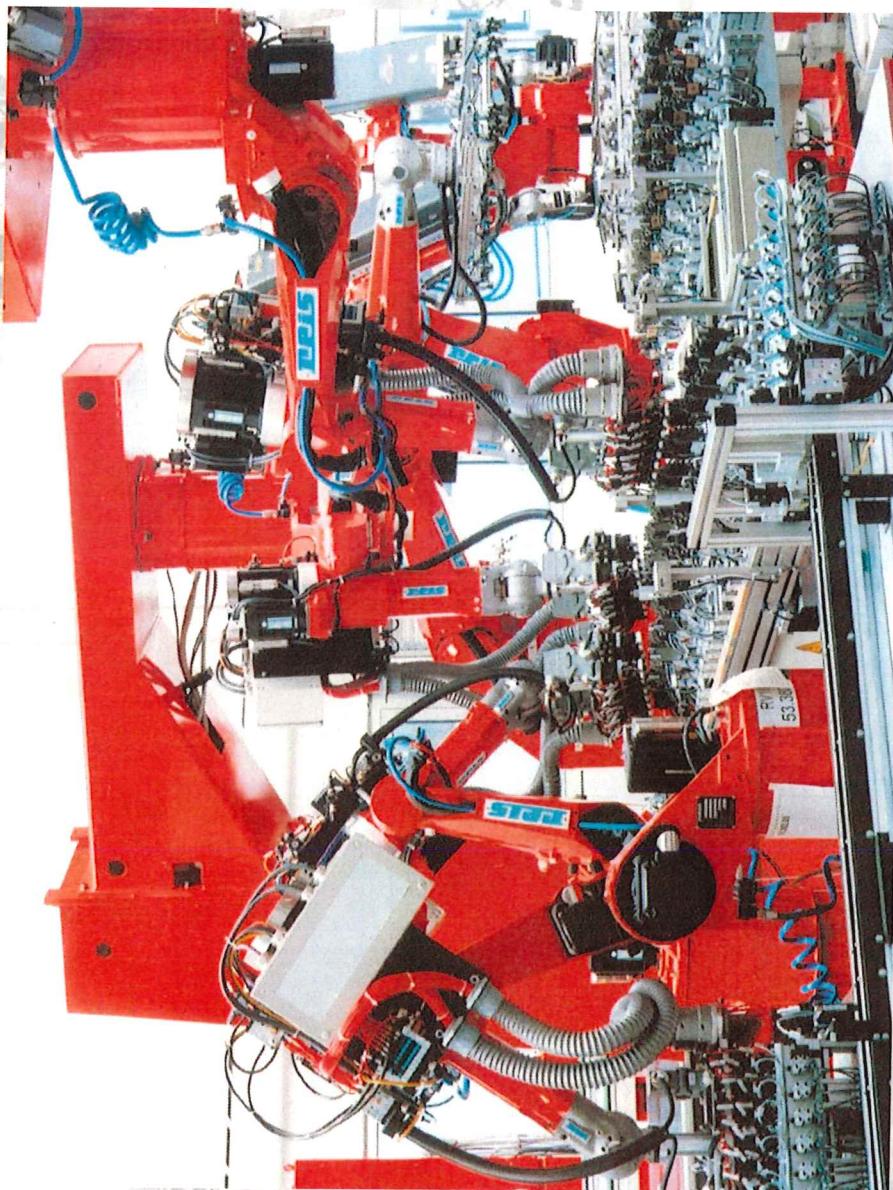
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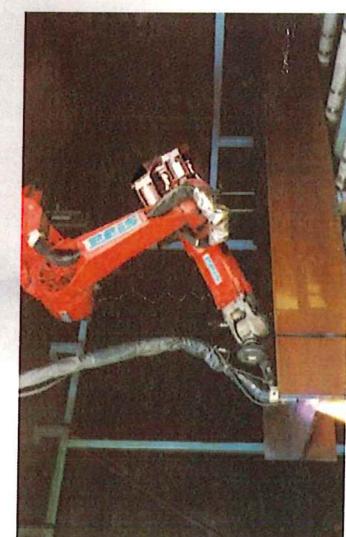
delivers turnkey solutions and total systems with future-oriented technology and guaranteed performance. New solutions will provide REIS customers with major efficiencies and cost savings.



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Complete systems from one source



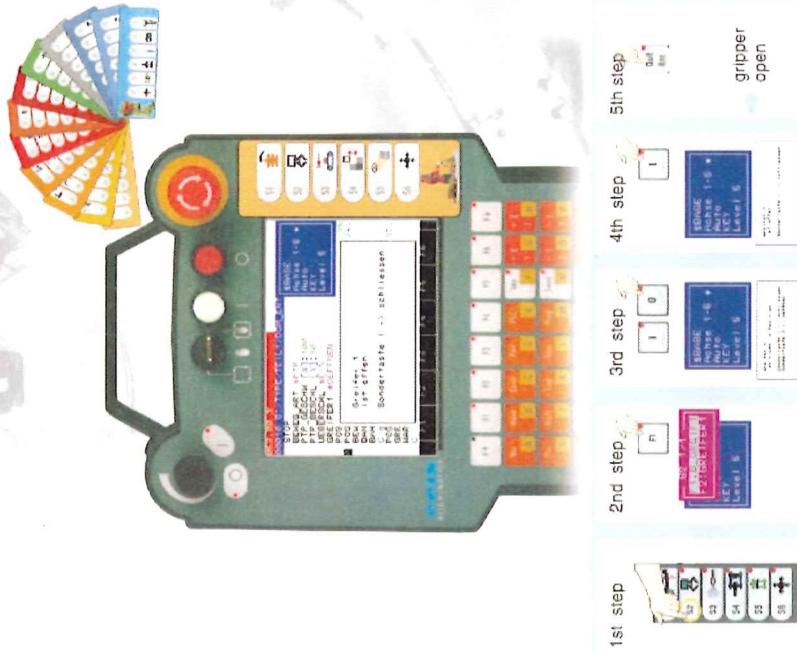
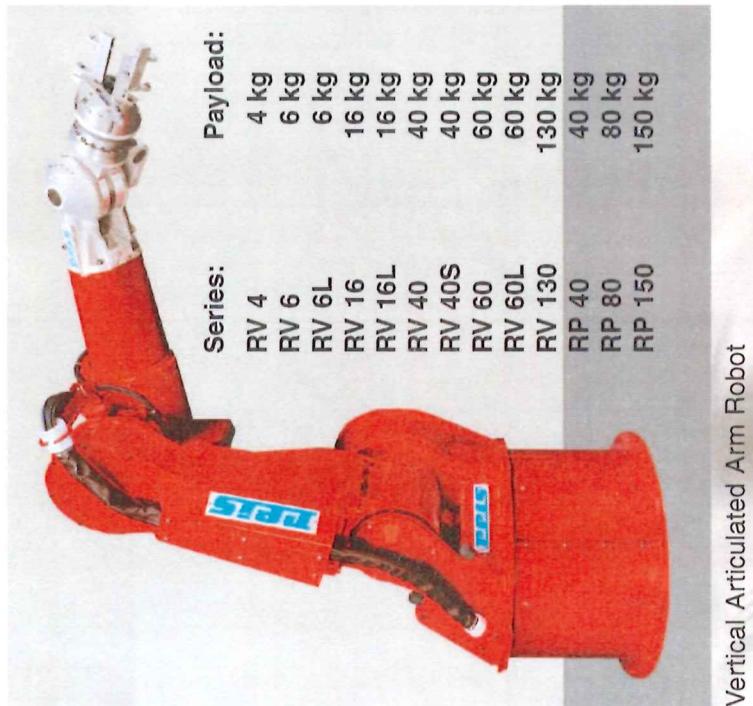
Flexible palletiz

Automation of r

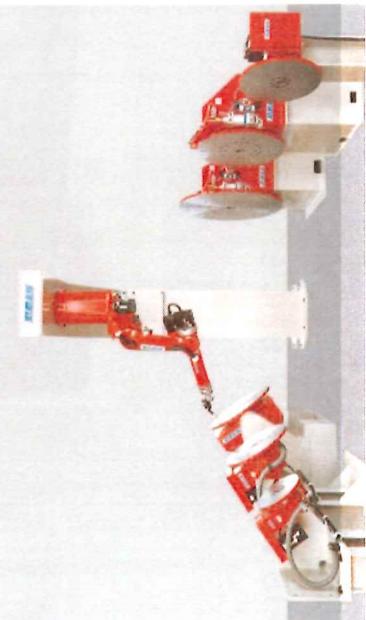


develops and manufactures a complete series of high
; and peripheral equipment. No one else offers this range

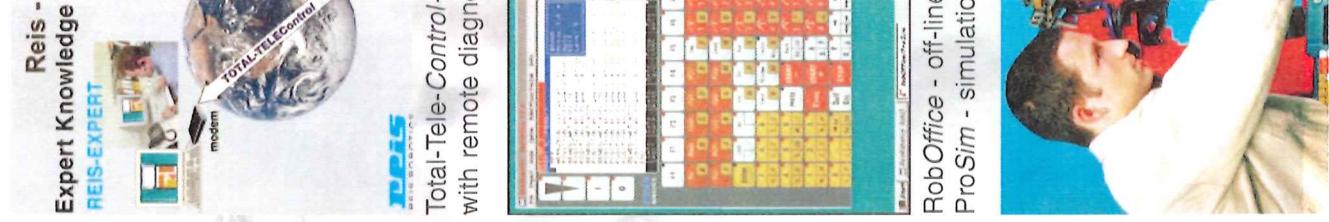
The ROBOTstarV robot controller from REIS – an ap
development from practical use for practical use.



RobAssist – an application related programming and operating tool.



Series:	Payload:
RH 16	16 kg
RH 40	40 kg
RH 70	70 kg



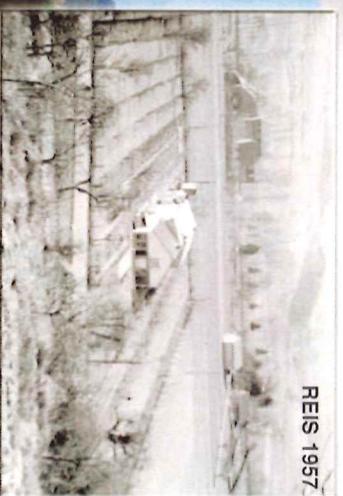
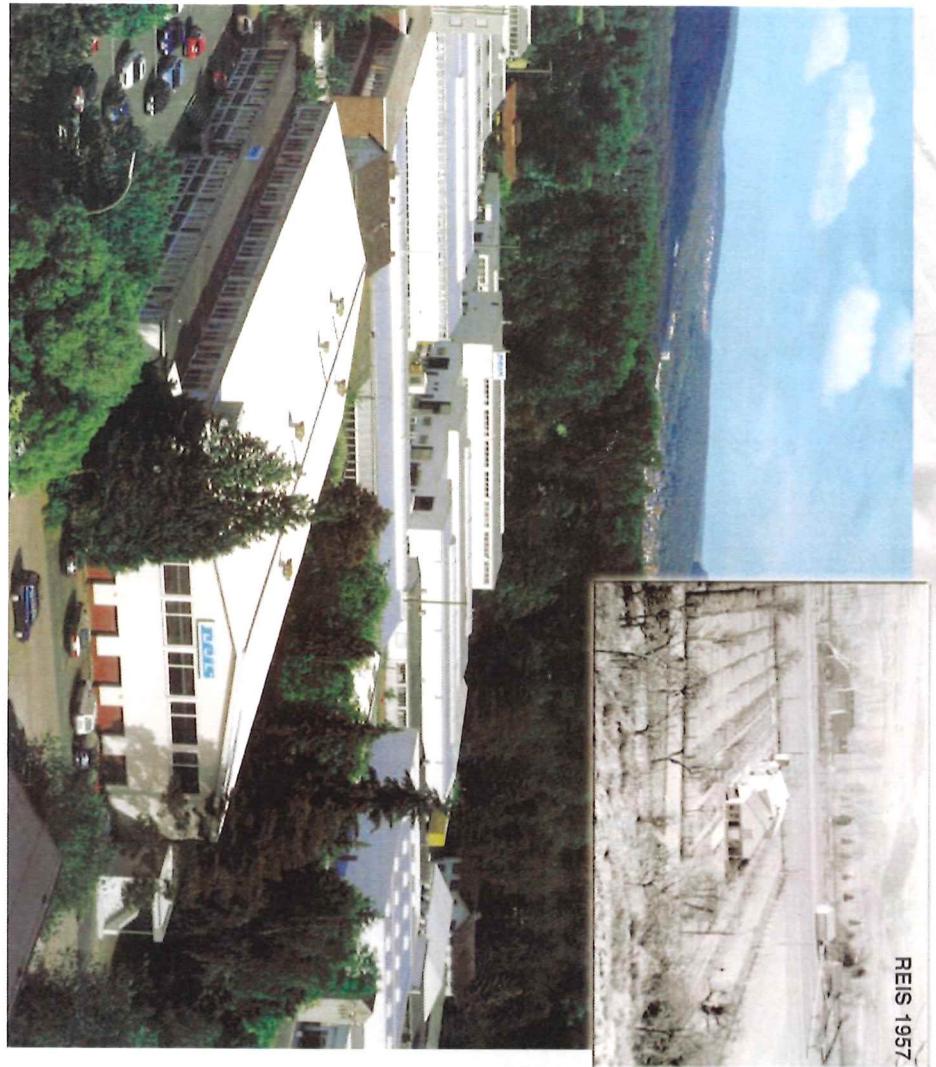


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s a leading technology company for robot and system integration. The company's success is based on the great experience of turnkey solutions automation units. REIS offers a broad product line of robots and standard peripheral modules in all major application fields. Additional products include: Try-out and Spotting Presses as well as Trim Presses and T



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