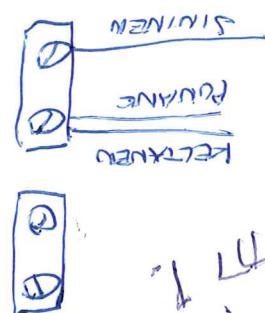
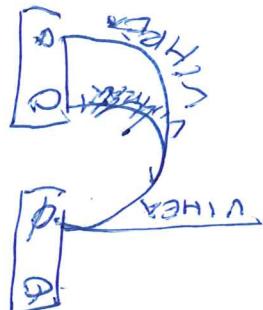
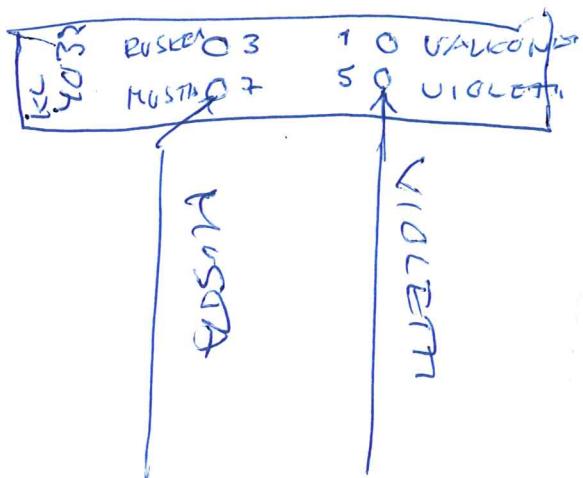


MATA KISKON
PURATTU & MO -



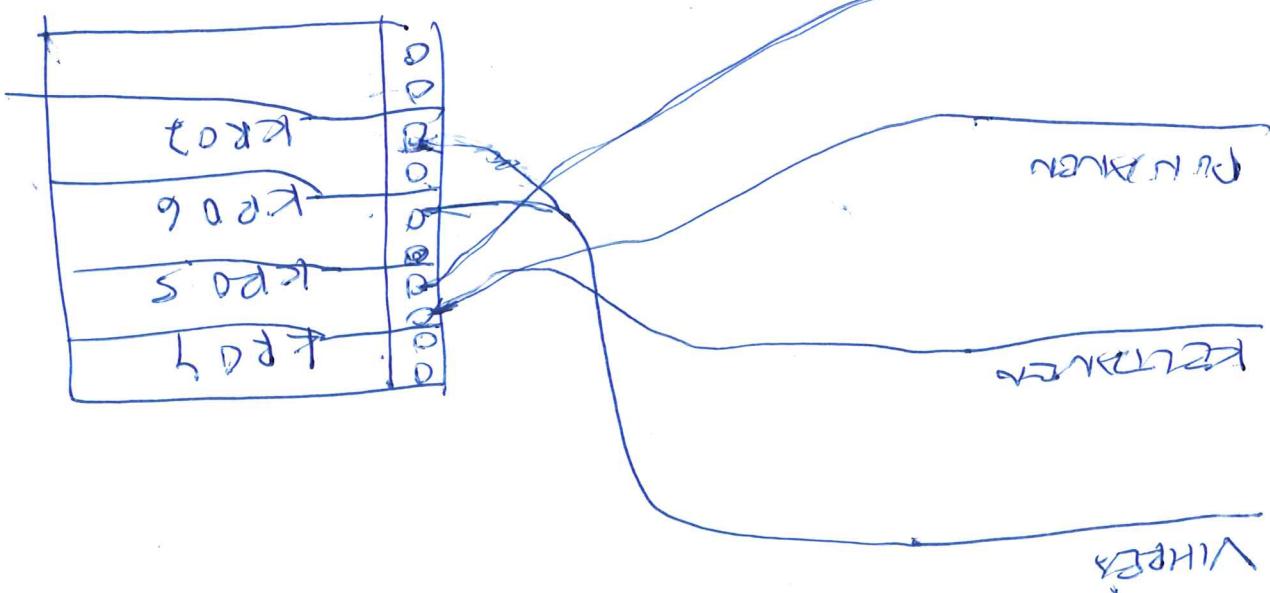
DE, HS
LCHTA

RAURH. ROPHTT
1.

DE, HS
LCHTA

DODD 2, 52, 01

SIVINEN



SAFETY
CONTROLLER
RUCKWÄRTS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

SAFETY
CONTROLLER
FRONTSITE

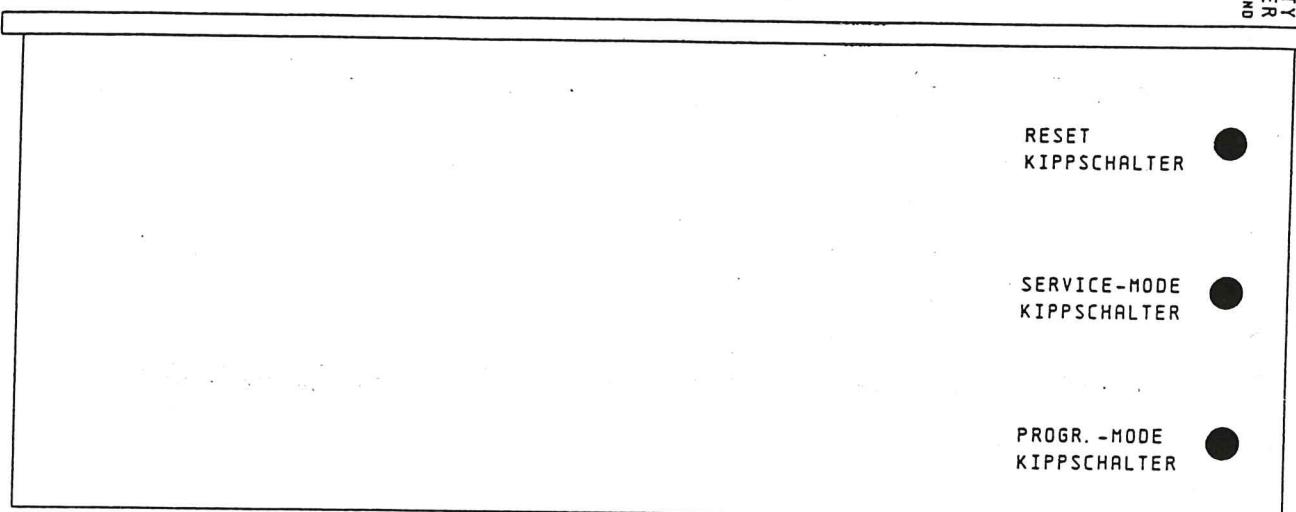
RESET
KIPPSCHALTER

SERVICE-MODE
KIPPSCHALTER

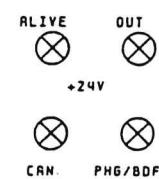
PROGR.-MODE
KIPPSCHALTER

ANBAUSEITE

ANSICHT VON
HINTEN |

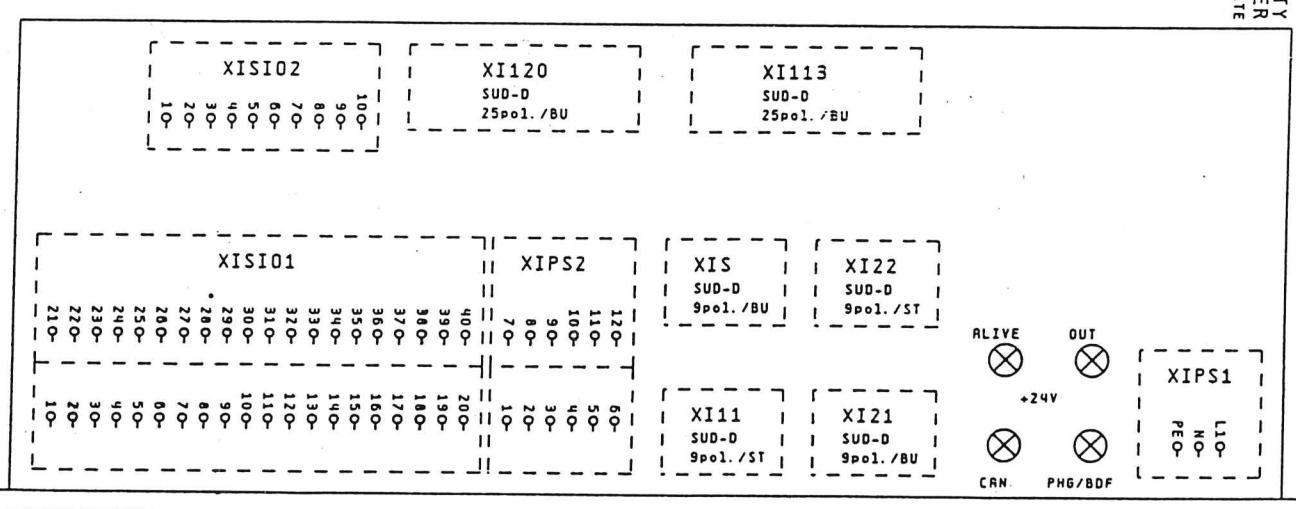


SAFETY
CONTROLLER
FRONTSITE



ANBAUSEITE

ANSICHT VON
VORNE |



	Datum : 16. Aug. 1999	Urtyp : SRVG ROBOT-STAR V	Urtl. : SAFETY-CONTROLLER LAYOUT	R. : ROBOTICS	Katchn.-Nr. : 013326	Katn.-Nr. : 52. 588. 00	Ers. : PLASMA MODULS OY	Ers. d. : Bl. 6
A-Dat. :	26. Mai. 1999							
Bearb. :	B. JRCOBI							
Anderung	Name	Urspr. :	Ers.					

KR0.4

KR0.5

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KRO 1

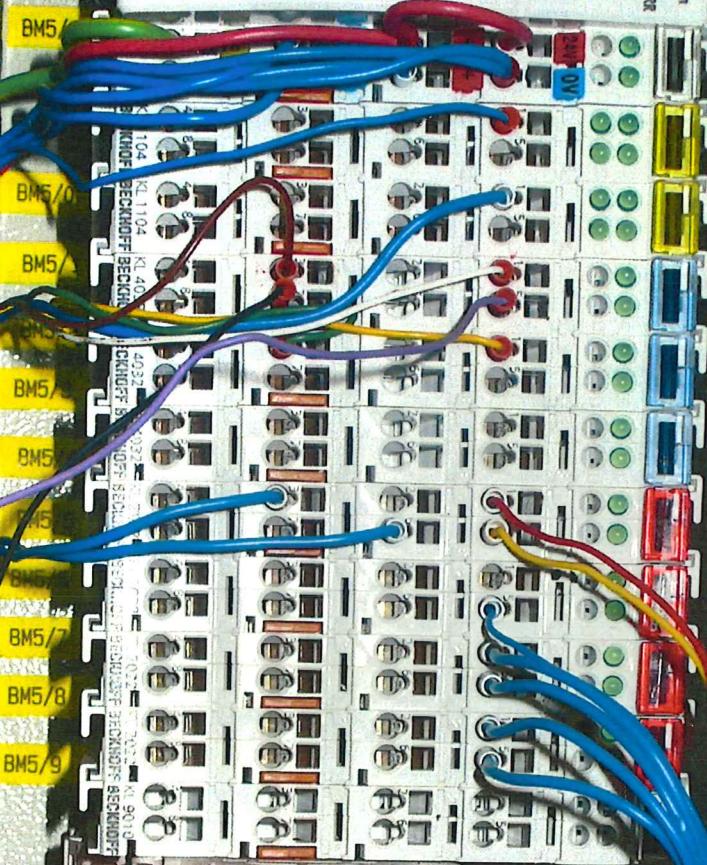
BM5 CAN

BECKHOFF

BK5120

CANopen
IO RUN
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overflow

CANopen
RUN
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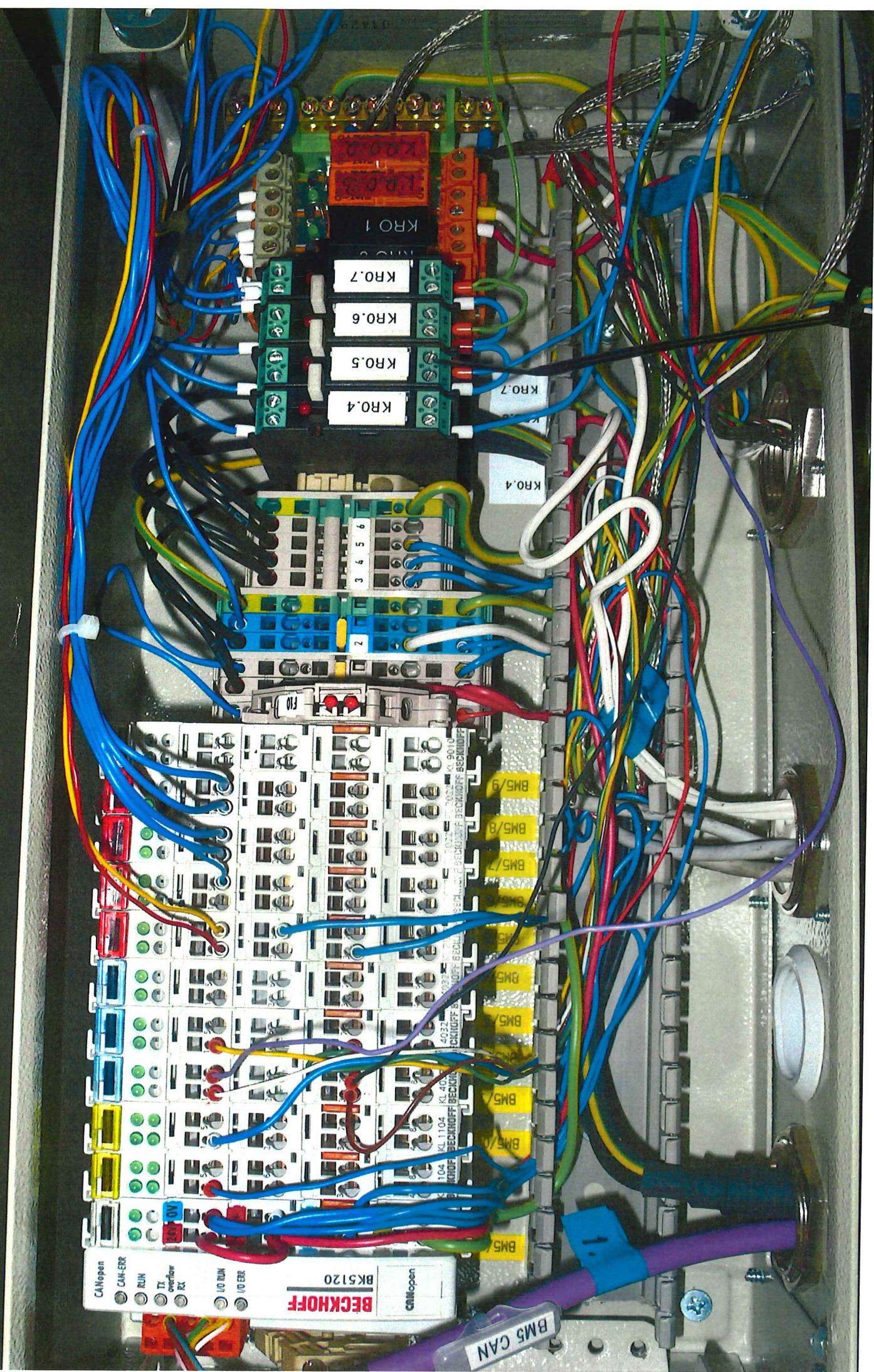
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Advantages and benefits of REIS automation systems

- In house development and production of robots, controls and peripheral equipment
- Far-reaching experience, more than 7,000 installations worldwide
- Turnkey systems with process and procedure responsibility
- Customer-specific solutions fine tuned in all detail
- Extensive product range with modular design
- Professional training and process development, user orientated and effective
- Worldwide renown, competent service
- First class references in all fields



reis
REIS ROBOTICS

Reis GmbH & Co.

Maschinenfabrik

Industriegebiet an der B426

D-63765 Obernburg

Phone: ++49 (0) 60 22-5 03-00

Fax: ++49 (0) 60 22-5 03-110

Reis Robotics USA Inc.

1320, Holmes Road

USA-Elgin, IL 60123

Phone: ++1-847-741-95 00

Fax: ++1-847-888-27 62

Reis Robotics Italia S.r.l.

Via del Lavoro 42

I-20040 Bellusco

Phone: ++39-039-6 06 70 20

Fax: ++39-039-6 06 70 12

Reis France E.u.r.l.

44 Rue du Pré des Aulnes

Parc d'Activités des Arpentts

F-77340 Pontault-Combault

Phone: ++33-1-60 28 22 22

Fax: ++33-1-60 28 35 47

Reis Robotics España S.L.

Dr. Manuel Riera, 90

E-08950 Esplugas

Phone: ++34-93-473 72 25

Fax: ++34-93-473 72 59

Reis Robotics do Brasil Ltda

Rua Dr. Ribeiro de Almeida, 286

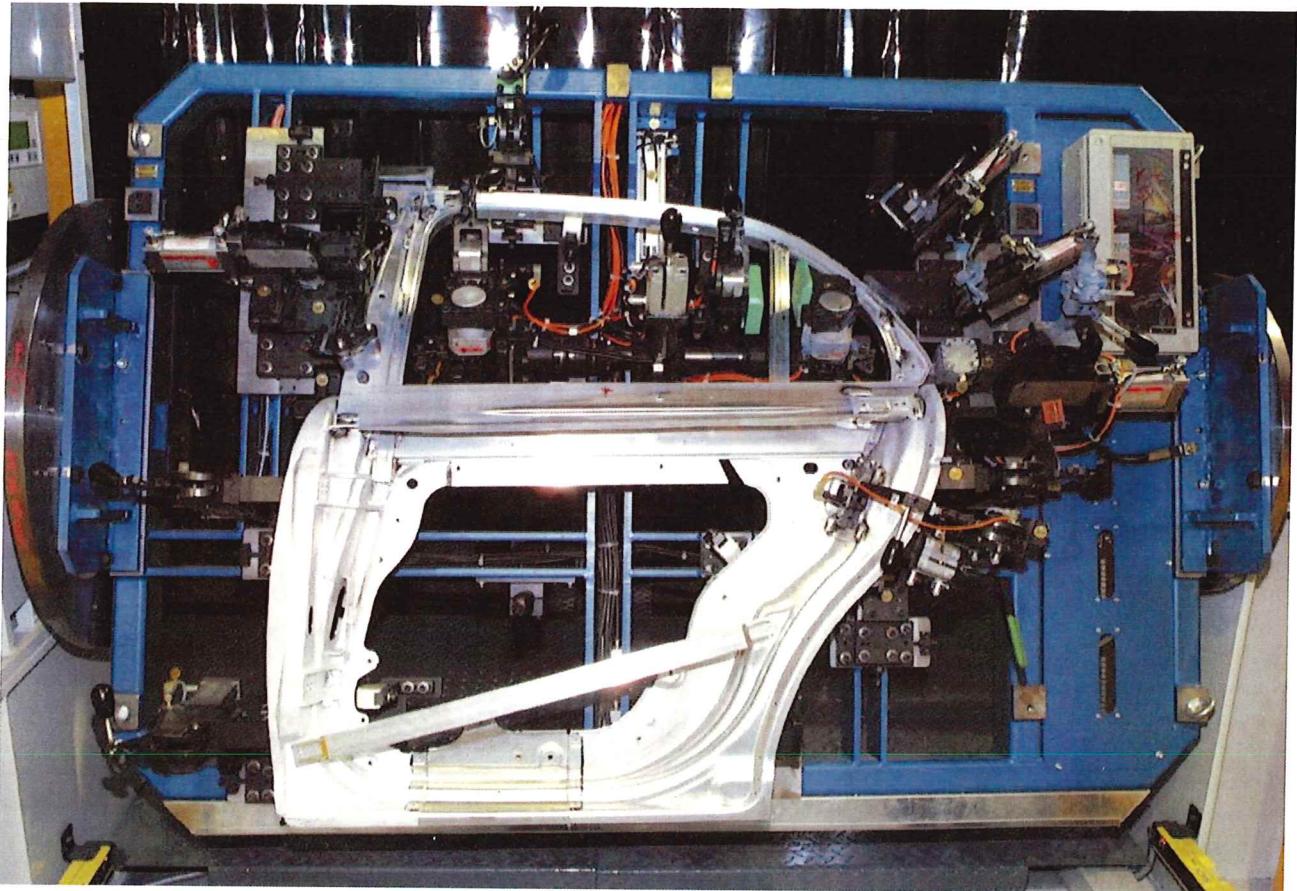
BR-01137-020 - São Paulo - SP

Phone: +55 (0 xx 11)-3612-2154

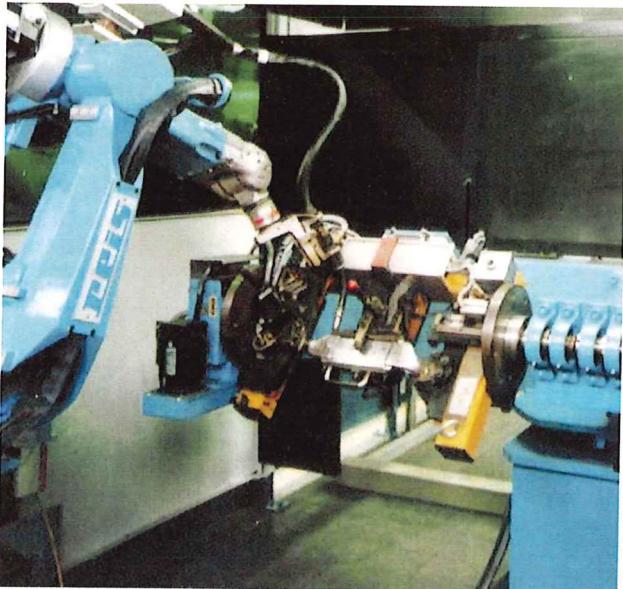
Fax: +55 (0 xx 11)-3612-2047

Fixtures

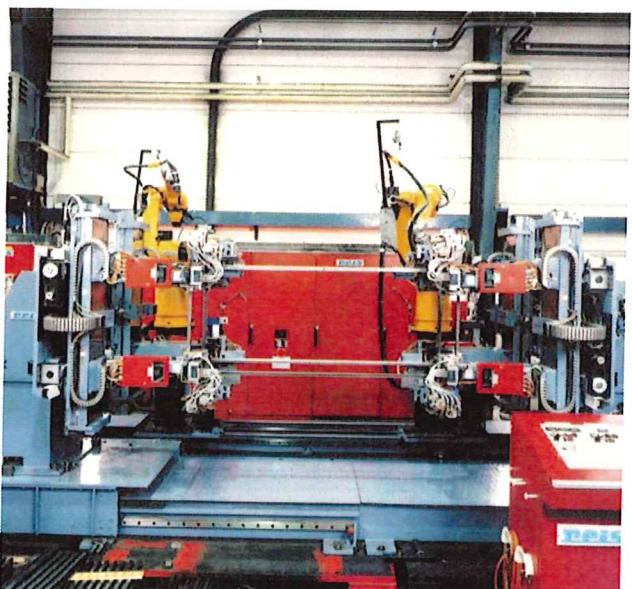
Automation specific and user friendly adjusted in all details



Robot and operator friendly positioning or clamping device for reception of car door frames. Monitoring and controlling of all-important functions through BUS technology.



Pneumatic welding device for exhaust recirculation systems from stainless steel, in customer specific design.



Freely programmable device with 7 axes integrated into robot control, for automated production of control cabinets.

Movable welding cabins

Turnkey, immediately ready for operation, in various designs



Movable welding cabin with manual rotary table (2-station operation) for component feeding and 6 axes welding robots. Mounting of robot control and welding hardware on rear side of same transportation frame.



2-station welding cabin with integrated freely programmable head and tailstock turning devices and centrally located welding robot.



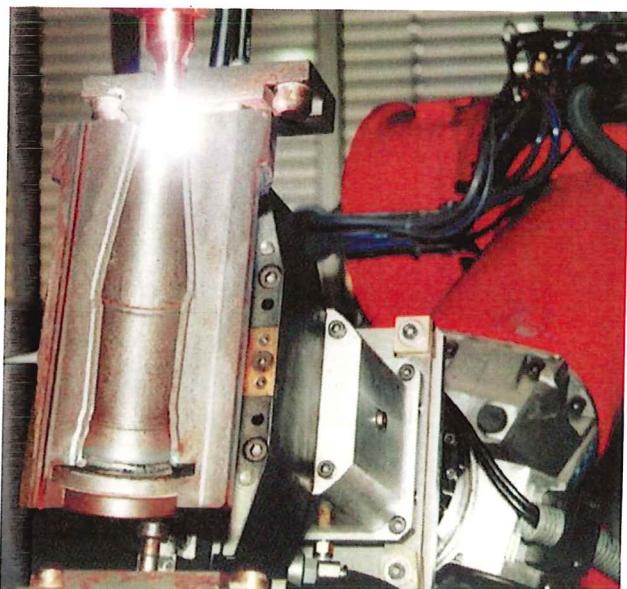
Robot welding cabin with electrical 2 to 4- station rotary table and safeguarded insert lock.

TA welding systems

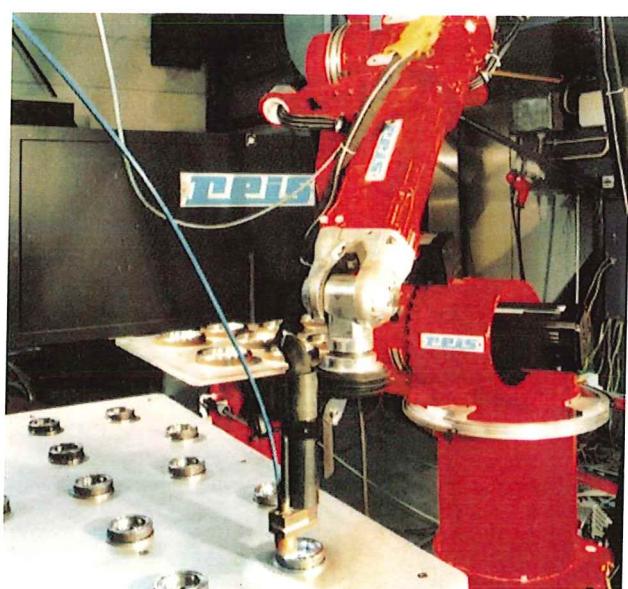
High quality coating installations for highest economic efficiency



High capacity plasma surfacing welding system for the production of wear components or sheet metals with surfacing capacities of up to 20 kg/h.



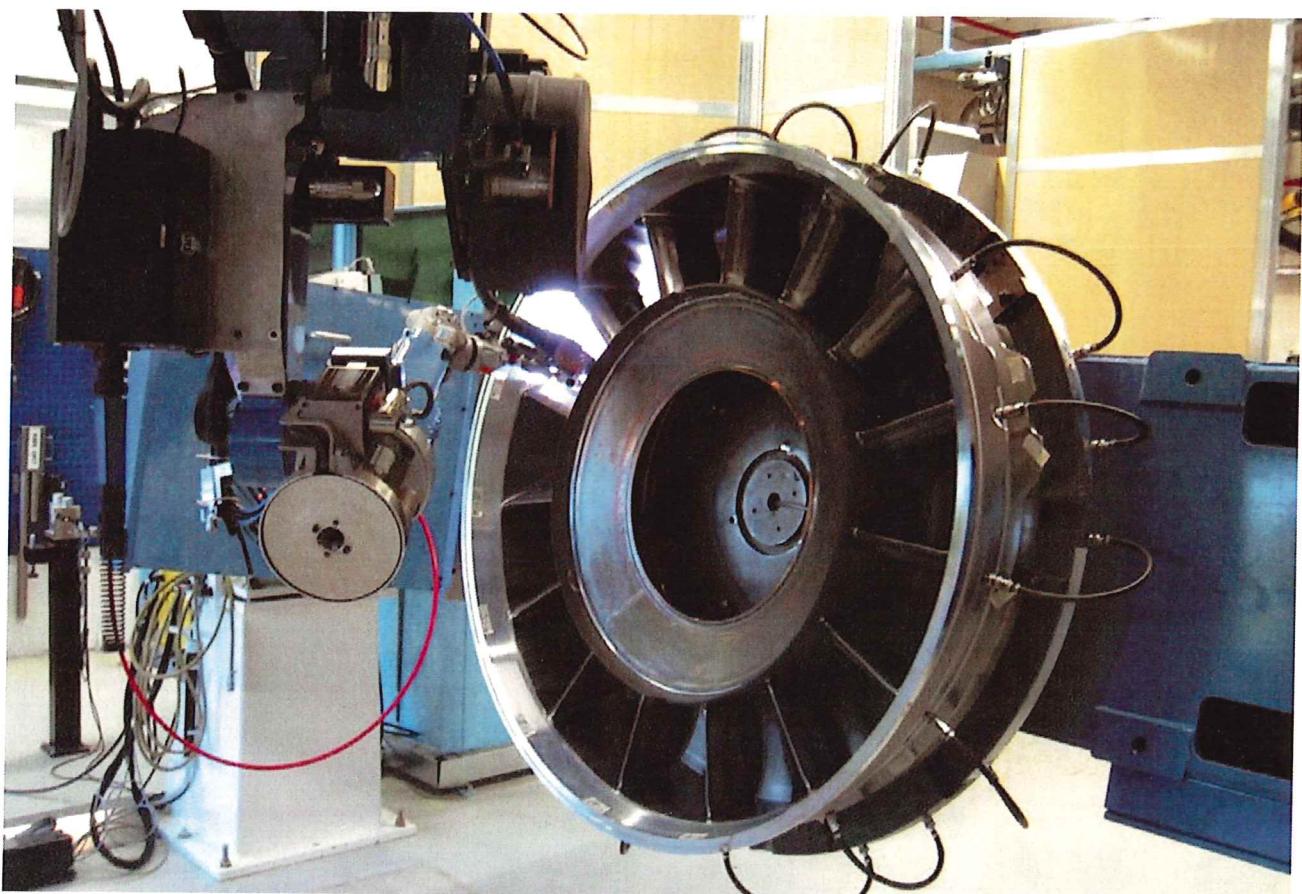
Surfacing of specific wear protection by means of wire or powder to preheated molds by handling parts under stationary welding torch.



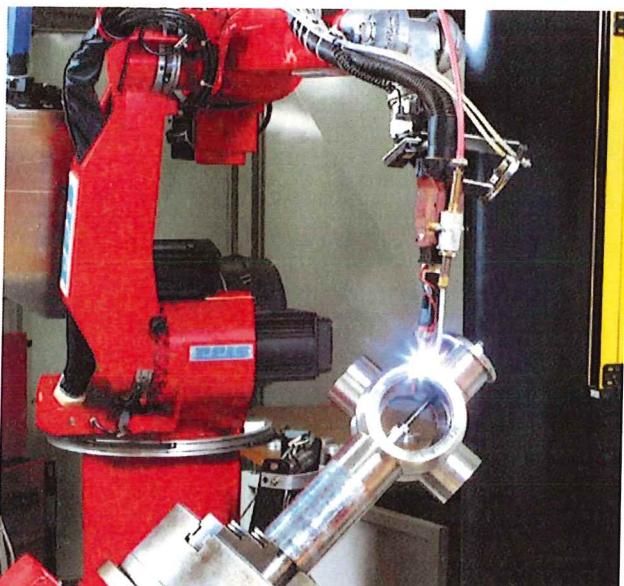
PTA welding of valve seats in connection with manual rotary table and upright robot in 4-station operation.

TIG welding systems

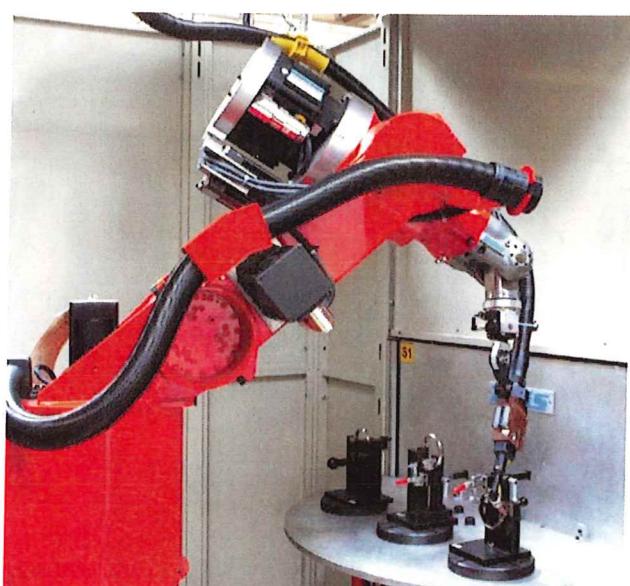
Highly precise robot and peripheral modules for demanding applications



Robotic production of high end components for aircraft turbines with a total of 10 freely programmable axes. Use of sensors for compensation of tolerance.



Handling and welding of stainless steel fixtures with automated feeding and unfeeding of components by means of combined weld torch/gripper.



Precision welding of thin-walled pressure gauge casings from stainless steel with or without cold wire feed.

KRO.4

KRO.5

KRO.6

KRO.7

KRO.1

KRO 1

KRO 0

KRO 7

KRO 6

KRO 5

KRO 4

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