



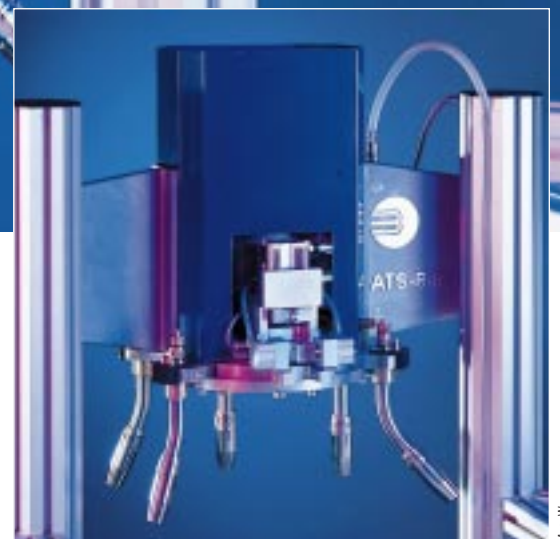
Work around
the clock ...

**Robotic welding ...
on and on with-
out a break, with
the new BINZEL
ATS-Rotor***

For over a decade the **BINZEL torch neck change system** has been accepted and proven world-wide. The ability to manually exchange a torch neck within seconds has greatly increased robot availability.

The **ATS-Rotor*** goes one step further ... A competitively priced unit which mechanises the neck change procedure.

The system enables further improvement in cell availability or „Up-time“. The simple design facilitates easy integration with existing equipment's.



Features:

- lightweight monobloc aluminium frame with low maintenance pneumatic cylinders.
- Integrated PLC for easy robot connection.

- Simple installation and set-up.

**Are you interested?
Give us a call!**

*European standard
with **CE** mark.

Welding & cutting brought to the point.

ABICOR
BINZEL® 

Function principle.

When integrated with the robot control, the ATS-Rotor enables the automated changing of up to 5 welding necks. The use of a common docking system allows the use of both MIG/MAG and TIG change necks. It is also possible to use necks of different geometry in the same station, offering greater flexibility on complex applications.

When all 5 necks in the carousel have been utilised, then the operator must manually reload the station with re-equipped necks. Consumables can therefore be exchanged/ maintained during the operation cycle, without incurring downtime.

Robot utilisation could be increased by up to 500% (time between each manual/ operator interruption).



The robot controls the ATS-Rotor through the use of 24V digital inputs and outputs. Each individual change cycle is performed automatically under the control of an integrated PLC.

1. Robot docks WH neck into ATS-Rotor change station.
2. Neck release mechanism is engaged and wire is cut inside body.
3. Rotor carousel drops down, quick disconnects prevent coolant leakage.
4. Rotor carousel rotates a replacement neck into position.
5. Replacement neck is locked into position. All supply connectors are automatically made, robot moves out of change station and continues.

Technical data:

Dimensions:
Width: 660 mm
Height: 416 mm
(plus 100 mm lift) – For more detailed information please refer to separate datasheet.
Weight: App. 31 kg
Ambient temp.: 5° - 50°C
Protection to DIN 57 106

Pneumatic data:

Connection: G 1/4"
Internal dia: min. Ø 6 mm
Rated pressure: 6 bar
Consumption per change: 1.5 l

Electr. data:

Operating voltage: 24 V DC
Power consumption: 50 W
Max. ripple: Vss <10%

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