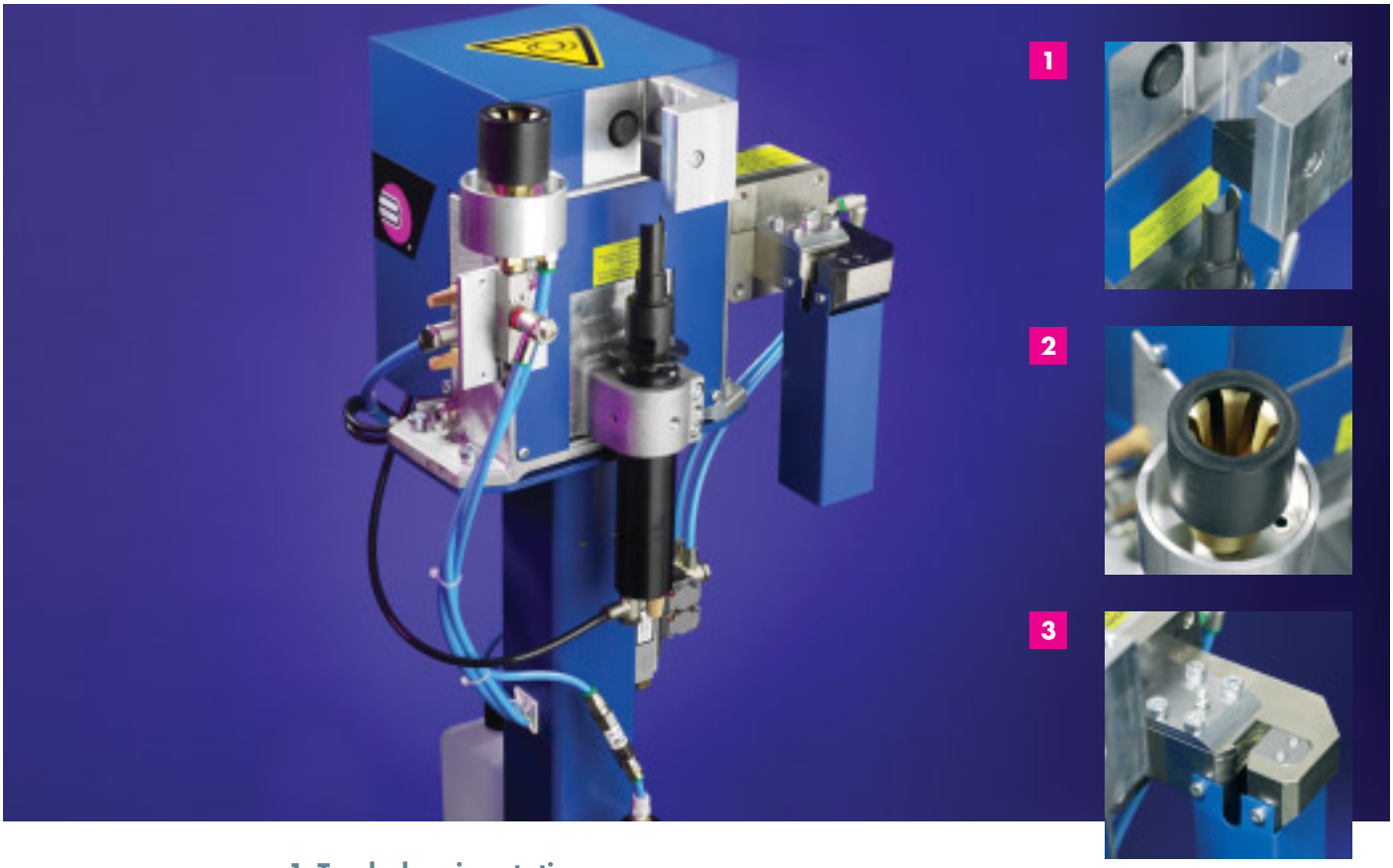
Torch Cleaning Station "BRS-CC"

Plug & Play ...

... the complete solution for reliable automatic servicing of the torch neck. Installed quickly and easily, or **"Plug & Play ..."**, the compact torch cleaning station BRS-CC means top reliablility. Combined in a single station, the 3 systems guarantee optimally timed processes and an increase in available plant floor space. A number of other features such as mounting stand and drip pan reduce installation costs.



1. Torch cleaning station

- Precise and effective cleaning for almost all robot welding torches
- Proven and trusted cutter principle, suitable even for heavy spatter adhesion
- 3-point clamping of the gas nozzle fixes the torch in place during the cleaning process

2. Spraying unit "TMS-VI"

- Direct, economical spraying of anti spatter fluid reduces welding spatter adhesion and extends the servicing intervals
- Clean environment thanks to encapsulated spraying nozzle and collecting pan for dirty residual oil
- Simple disposal of residual oil and replenishment of the anti-spatter agent by simply exchanging the bottles

3. Wire cutting fixture "DAV"

- The combined clamping and shearing action guarantees precise cutting quality and ensures optimum arc-start properties as well as exact TCP measurement
- Long service life thanks to sturdy design

Torch cleaning station "BRS-CC"

Description	Part-No.
"BRS-CC" cpl.	831.0490
"BRS-CC" without "DAV"	831.0550
"BRS-CC" without "DAV" without rack	831.0570
"BRS-CC" with "DAV" without rack	831.0580

Torch cleaning station "BRS-CC"

V-Block and reamer

For torch type	with gas nozzle	Outer-Ø / Nominal-Ø (mm)	Length (mm)	with contact tip	Clamping block Part-No.	Reamer Part-No.
ABIROB® A300	145.0671.5	22.0 / 14.4	36.0	M6 / Ø 8	831.0371	837.0709.1
ABIROB® A360	145.0599	22.0 / 12.0	68.0	M6 / Ø 8	831.0371	831.0604
ABIROB® A360	145.0600	22.0 / 12.0	70.0	M6 / Ø 8	831.0371	831.0604
ABIROB® A360	145.0601	22.0 / 12.0	65.0	M6 / Ø 8	831.0371	831.0604
ABIROB® A360	145.0595	22.0 / 14.0	68.0	M6 / Ø 8	831.0371	831.0592
ABIROB® A360	145.0596	22.0 / 14.0	70.0	M6 / Ø 8	831.0371	831.0618
ABIROB® A360	145.0597	22.0 / 14.0	65.0	M6 / Ø 8	831.0371	831.0593
ABIROB® A360	145.0618	22.0 / 14.0	68.0	M6 / Ø 8	831.0371	831.0592
ABIROB® A360	145.0619	22.0 / 14.0	65.0	M6 / Ø 8	831.0371	831.0593
ABIROB® A360	145.0592	22.0 / 16.0	68.0	M6 / Ø 8	831.0371	831.0487
ABIROB® A360	145.0593	22.0 / 16.0	70.0	M6 / Ø 8	831.0371	831.0487
ABIROB® A360	145.0594	22.0 / 16.0	65.0	M6 / Ø 8	831.0371	831.0589
ABIROB® A500	145.0589	28.0 / 13.0	75.0	M6 / Ø 8	831.0318	831.0180
ABIROB® A500	145.0590	28.0 / 13.0	77.0	M6 / Ø 8	831.0318	831.0180
ABIROB® A500	145.0591	28.0 / 13.0	72.0	M6 / Ø 8	831.0318	831.0169
ABIROB® A500	145.0586	28.0 / 14.0	75.0	M6 / Ø 8	831.0318	831.0592
ABIROB® A500	145.0587	28.0 / 14.0	77.0	M6 / Ø 8	831.0318	831.0618
ABIROB® A500	145.0588	28.0 / 14.0	72.0	M6 / Ø 8	831.0318	831.0593
ABIROB® A500	145.0580	28.0 / 16.0	75.0	M8 / Ø 10	831.0318	831.0488
ABIROB® A500	145.0581	28.0 / 16.0	77.0	M8 / Ø 10	831.0318	831.0488
ABIROB® A500	145.0582	28.0 / 16.0	72.0	M8 / Ø 10	831.0318	831.0591
ABIROB® A500	145.0583	28.0 / 16.0	75.0	M8 / Ø 10	831.0318	831.0488
ABIROB® A500	145.0584	28.0 / 16.0	77.0	M8 / Ø 10	831.0318	831.0488
ABIROB® A500	145.0585	28.0 / 16.0	72.0	M6 / Ø 8	831.0318	831.0591
VTS 290	145.0495	25.0 / 13.0	44.5	M6 / Ø 8	831.0316	831.0169
VTS 290	145.0564	25.0 / 13.0	48.5	M6 / Ø 8	831.0316	831.0180
VTS 290	145.0494	25.0 / 15.5	44.5	M6 / Ø 8	831.0316	831.0576
VTS 500TS / WH W500	145.0479	25.0 / 13.0	75.5	M8 / Ø 10	831.0316	831.0368
VTS 500TS / WH W500	145.0556	25.0 / 13.0	77.0	M8 / Ø 10	831.0316	831.0368
VTS 500TS / WH W500	145.0466	25.0 / 15.5	72.0	M8 / Ø 10	831.0316	831.0216
VTS 500TS / WH W500	145.0568	25.0 / 15.5	72.5	M8 / Ø 10	831.0316	831.0216
VTS 500TS / WH W500	145.0553	25.0 / 15.5	75.5	M8 / Ø 10	831.0316	831.0023
VTS 500TS / WH W500	145.0544	25.0 / 15.5	75.5	M8 / Ø 10	831.0316	831.0023
VTS 500TS / WH W500	145.0480	25.0 / 15.5	77.0	M8 / Ø 10	831.0316	831.0023
WH 242 D	145.0135	21.0 / 13.0	62.0	M6 / Ø 8	831.0314	831.0564
WH 242 D	145.0090	21.0 / 15.5	62.0	M6 / Ø 8	831.0314	831.0563
WH 652 D TS	145.0574	30.0 / 18.0	84.0	M10 / Ø 12	831.0319	831.0162
WH 652 D TS	145.0575	30.0 / 21.5	84.0	M10 / Ø 12	831.0319	831.0547

Technical data:

Pneumatic connection – manifold block

Compressed air supply outlet: G 1 / 4
Inside width: min. Ø 6 mm
Nominal pressure: 6 bar
Operating pressure: 6–8 bar

Electrics – terminal block

4 inlets for triggering the 5 / 2-control valves
Control voltage: 24 V DC
Power demand: 4.5 W
1 inductive proximity switch a-contact (pnp)
Operating voltage: 10–30 V DC
Tolerated residual ripple: Vss < 10%
Continuous current: max. 200 mA
Current consumption: approx. 4 mA (24 V)
Voltage drop: approx. 1.2 V (200 mA)

Cleaning station

Pneumatic motor (nominal speed)
- with lubricated air: approx. 650 U / min.
- without lubricated air: approx. 550 U / min.
Air consumption: approx. 380 l / min.

Injection unit

Capacity of the bottle: 1 litre

Wire cutting station

Cutting rate at 6 bar
- Solid wire: up to 1.6 mm
- Flux-cored wire: up to 3.2 mm
Cutting time: 0.5 sec.

General data

Weight: approx. 16 kg
Ambient temperature: + 5 °C up to + 50 °C

Front injector "ABIROB® TMS-VI"

For the reduction of spatter adhesion ...

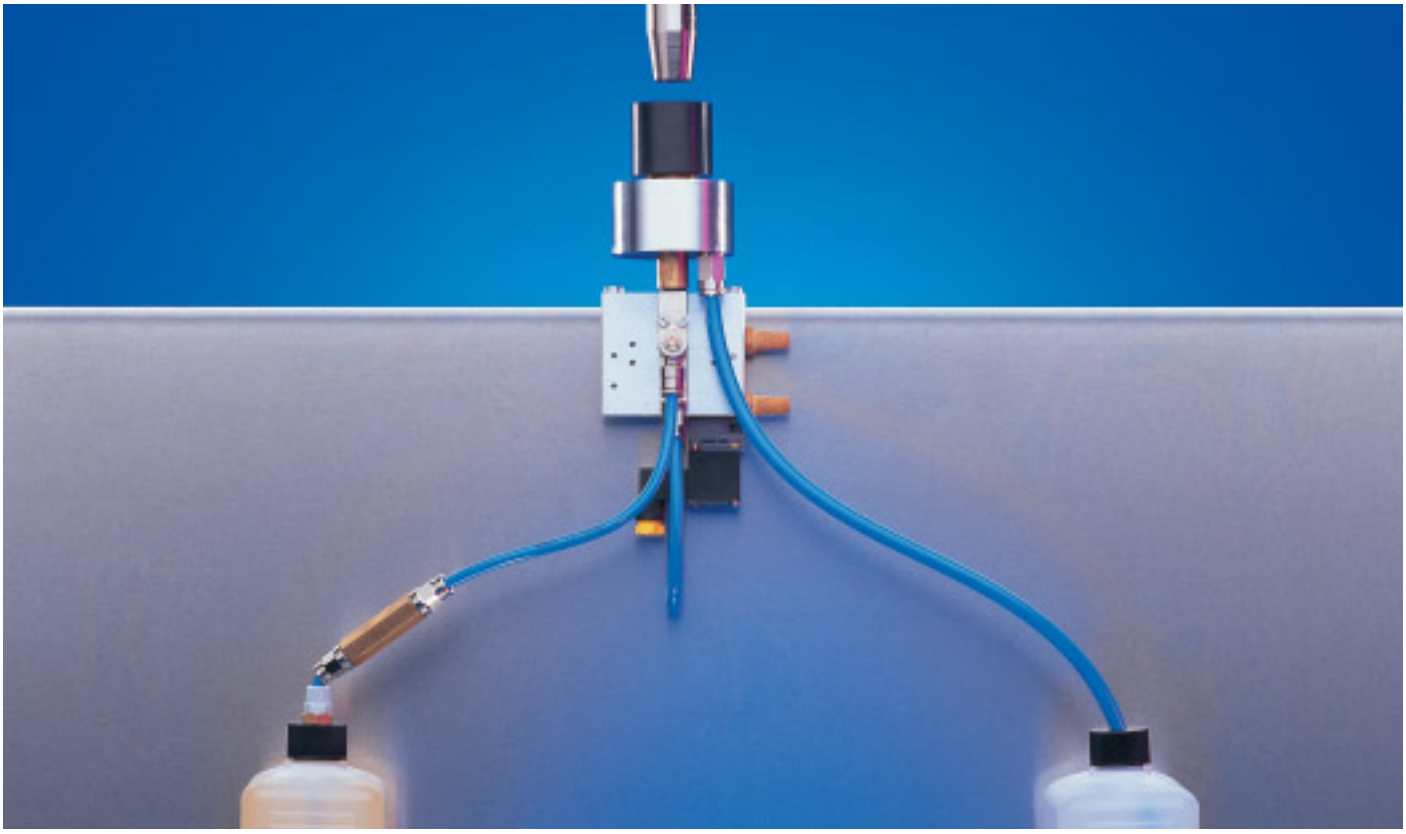
With the **Front injector ABIROB® TMS-VI** the cleaned torch is sprayed with anti spatter fluid which minimizes built-up of welding spatter.

The specially developed spray nozzle enables a highly efficient application of the anti spatter fluid.

Front injector ABIROB® TMS-VI – this new concept enables a smooth and economical spraying of the anti spatter fluid to the front of the welding torch.

The advantages at a glance:

- Effective and economical anti spatter spray supply to nozzle interior and nozzle edge
- Covered injector nozzle and extra bottle for used oil improves working safety and ensures environmental friendly use
- Trouble-free refilling of the anti spatter fluid, simply by swapping the bottle
- Trouble-free dispose of used oil by swapping the bottle
- Installation set for a user-friendly installation of the unit



Technical data:

Pneumatics

Working pressure:	5–10 bar
Compressed air supply outlet:	Internal dia. Ø 4 mm

5 / 2 solenoid valve

Air connection:	G 1 / 8"
Nominal flow:	approx. 650 l / min.
Input signal:	24 V DC
	I max. ≤ 1.1 A
	I nom. = 220 mA

Front injector "TMS-VI"

Description	Part-No.
Front injector TMS-VI cpl.	830.1110
Solenoid valve* pilot-controlled (NW 10) 24 V DC / 42 V AC	832.0005
Anti spatter fluid 1 litre	192.0056
Anti spatter fluid 5 litre	192.0052
Anti spatter fluid 20 litre	192.0048
Anti spatter fluid 200 litre	192.0046

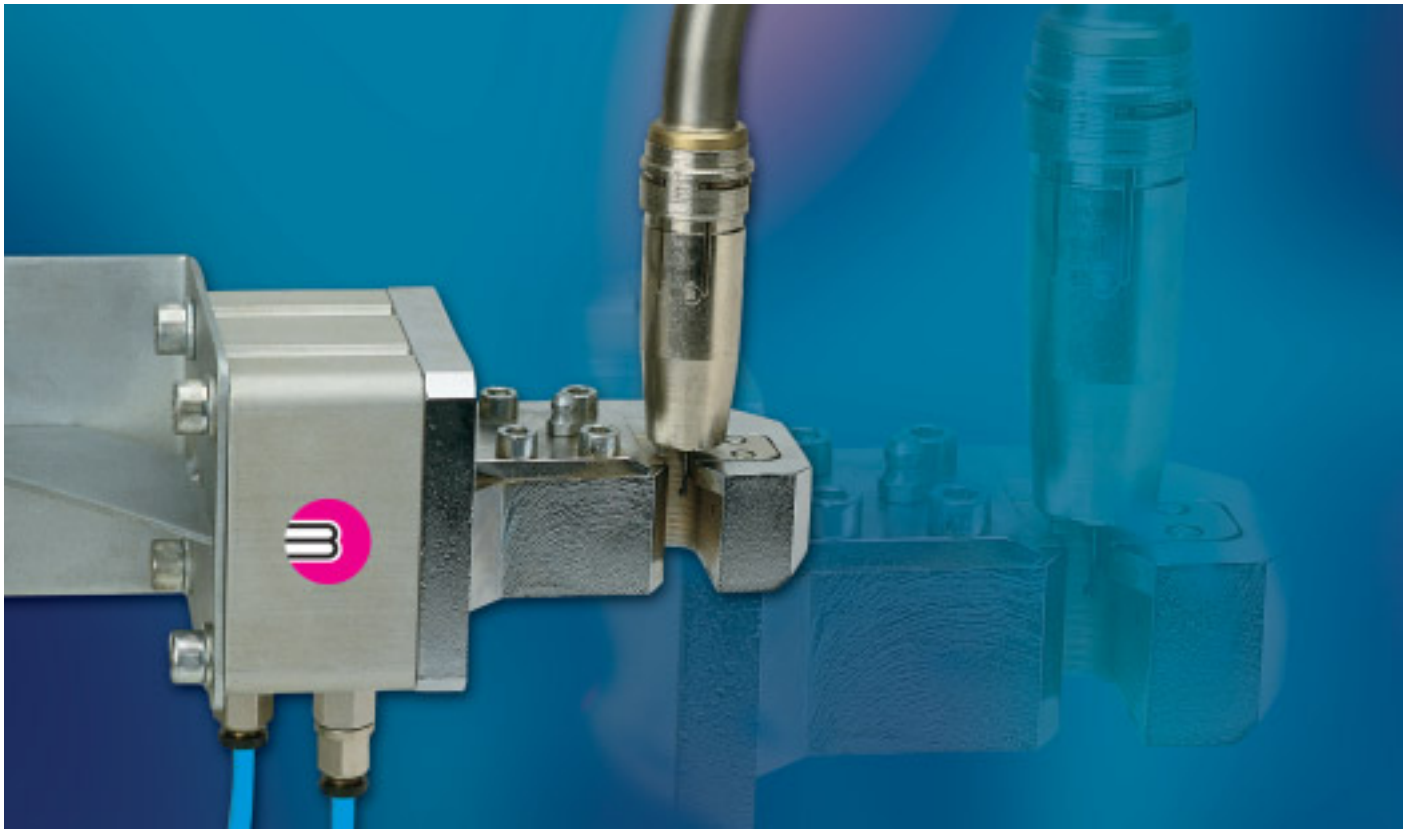
*Optional for blasting through the cable assembly.

Wire cutting station "DAV"
The perfect cut ...

The **wire cutting station DAV** in MIG/MAG robotic welding is an essential requirement to guarantee a consistent wire stick-out, and clean end of the wire as well as better capacity of arc-start due to the cutting of the welding ball and oxides formed at the end of the wire.

The ABICOR BINZEL wire cutting station DAV stands for:

- Defined wire length as requirement for the automatic TCP measurement
- Precise and reliable cutting quality even with hard or thick wires
- High durability and longevity of the blades
- Wire clamping function for the wire removal in connection with the ATS-Rotor



Technical data:

Wire cutting station "DAV"

Working pressure:	6–8 bar
Air connection:	Internal dia. Ø 4 mm
Cutting range at 6 bar:	Solid wire 1.6 mm
	Cored wire 3.2 mm
Weight:	2700 g

Extension set

Working pressure:	6–8 bar
Air connection:	G 1/ 8"
Control requirements:	24 V DC
	I max. = 1.1 A
	I nom. = 220 mA
Weight:	265 g

Wire cutting station "DAV"

Description	Part-No.
Wire cutting station "DAV" cpl.	839.0020
Replacement knife	839.0024
Replacement static blade	839.0026
Extension set consisting of:	839.0035
5 / 2-way-valve, plug, connectors, pneumatic hose (1 m)	
silencer	