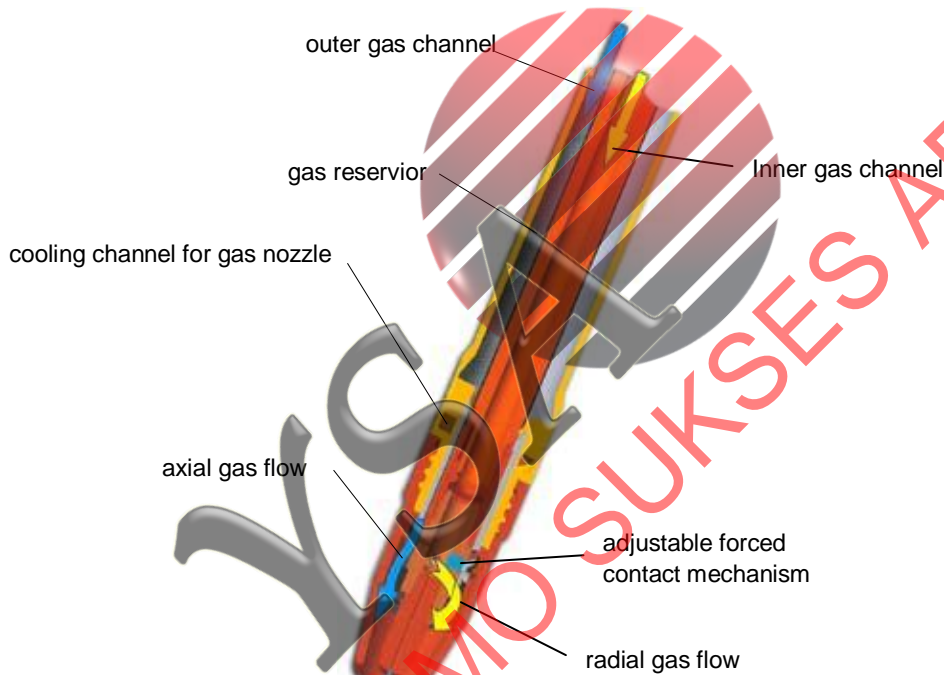


TBi Robot welding torches

- Air and water cooled
- Also for robots with integrated cable assemblies
- Stable design for reliable



- 1. Higher productivity**
Less downtime due to our collision resistant design. You will not need alignment tools.
- 2. Reliable ignition**
Better process control due to forced contact of the wire, even with straight necks.
- 3. Reduced maintenance**
Blow-out capability included
Very high lifetime of the consumables, the neck and the cable assembly
Resetting of the neck or retooling of the robot is generally not necessary
- 4. The complete system from one source**
All components are perfectly matched and designed for heavy duty industrial use.
- 5. Daily cost savings**
Protective gas consumption from approx. 6-8 l/min depending on torch type and process allow for distinctive gas savings in comparison to other

RoboMIG

air cooled



TBi RM 50G

60 % (10 min.)
Mix: 8.8 kW (250-280 A)
Ø 0.8 - 1.2 mm
Gas flow: from 8 l/min

1 channel for protective
or blow-out gas



TBi 60G

60 % (10 min.)
Mix: 10.5 kW (300-320 A)
Ø 0.8 - 1.6 mm
Gas flow: from 8 l/min

1 channel for protective
or blow-out gas



TBi 70G

80 % (10 min.)
Mix: 15 kW (350-400 A)
Ø 0.8 - 1.6 mm
Gas flow: from 6 l/min

2 channel for protective
or blow-out gas

RoboMIG

water cooled



Tbi RM 50W

100% (10 min.)
Mix: 9.5 kW (270-300 A)
Ø 0.8 - 1.2 mm
Gas flow : from 8 l/min

1 channel for protective
or blow-out gas



TBi RM 60W

100 % (10 min.)
Mix: 13 kW (350-370 A)
Ø 0.8 - 1.6 mm
Gas flow: from 8 l/min

1 channel for protective
or blow-out gas

2 circuit water cooling



TBi RM 80W

100 % (10 min.)
Mix: 17.5 kW (370-500 A)
Ø 0.8 - 1.6 mm
Gas flow: from 6 l/min

2 channel for protective
or blow-out gas

2 circuit water cooling



TBi RM 90W

100 % (10 min.)
Mix: 19 kW (500-550 A)
Ø 0.8 - 1.6 mm
Gas flow: from 8 l/min

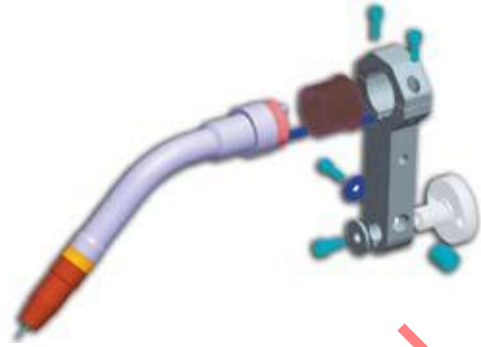
1 channel for protective
or blow-out gas

2 circuit water cooling

Components of the TBi RoboMIG system

Torch mount

The RoboMIG torch mount is a precision part, fixing the torch in an exactly defined position. It is extremely stable and available in different geometries. Versions for our quick-change adaptor are also available.



Safety-off mechanism TBi KS-1

This high precision spring loaded unit is suitable for conventional welding robots and reaches a high reset precision. In case of a crash, the safety-off circuit will be activated while the torch is elastically deflected. The TBi KS-1 is used for MIG/MAG, TIG, plasma and tandem welding torches.



Safety-off mechanism TBi KS-C

This modern safety-off mechanism was developed especially for robots with integrated welding cable assemblies. The cable assembly passes through the center of the safety-off unit, the torch is fixed directly at the front. The spring loaded elastic mount and the safety-off circuit are also integrated.



Cable assemblies

Since many years, the TBi cable assemblies have proven their value in industrial production. Their robustness and long lifetime are outstanding. Besides the standard versions, the product line also includes numerous options for the best possible adaptation to the requirements of different welding tasks.

