



Made for Robots.

## Technical information

SKS Wire Select welding torch



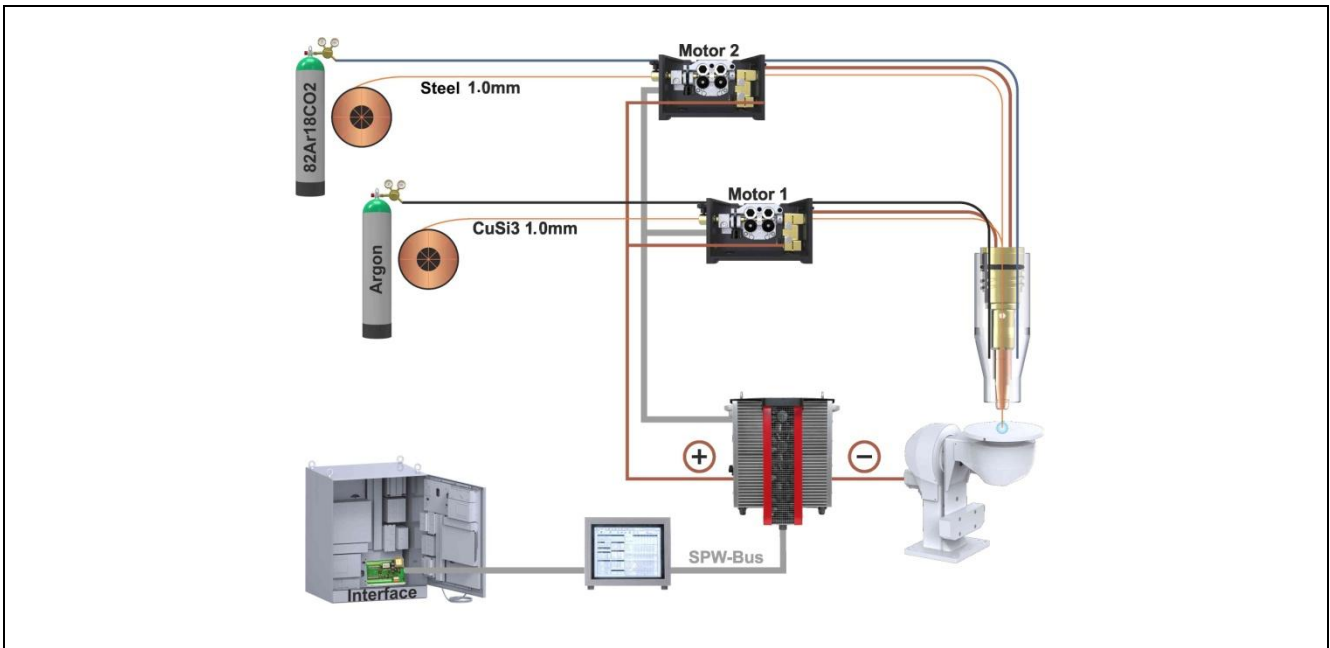
Please read technical information before initial startup.  
Pay attention to safety instructions.  
Please keep for future reference.

V2.2\_EN | Status: 2014-04-23  
TIN-0179EN | sks0414.en.1.b.ot

# 1 Concept

The SKS Wire Select welding torch has been developed for the more flexible use of welding stations and to save time during the change-over of the filler material. The SKS Wire Select welding torch enables you to weld two different wires at one part one after another, without changing the torch or the feed cables. With **one** welding power source, **one** weld process controller, **one** welding torch, **one** wire cutter and **two** wire feeders you can choose to work with **two** different welding materials, **two** different gases and **two** different processes (e.g. pulse welding and brazing) in **single** production facility.

More information on the system concept can be found on the SKS webpage.



# 2 Benefits

- Low investment costs
- Shorter cycle times since no torch change is required
- Time- and cost-intensive torch change units not needed
- More flexible plant layout
- Achieved with standard SKS components
- Accessibility as with standard single-wire system

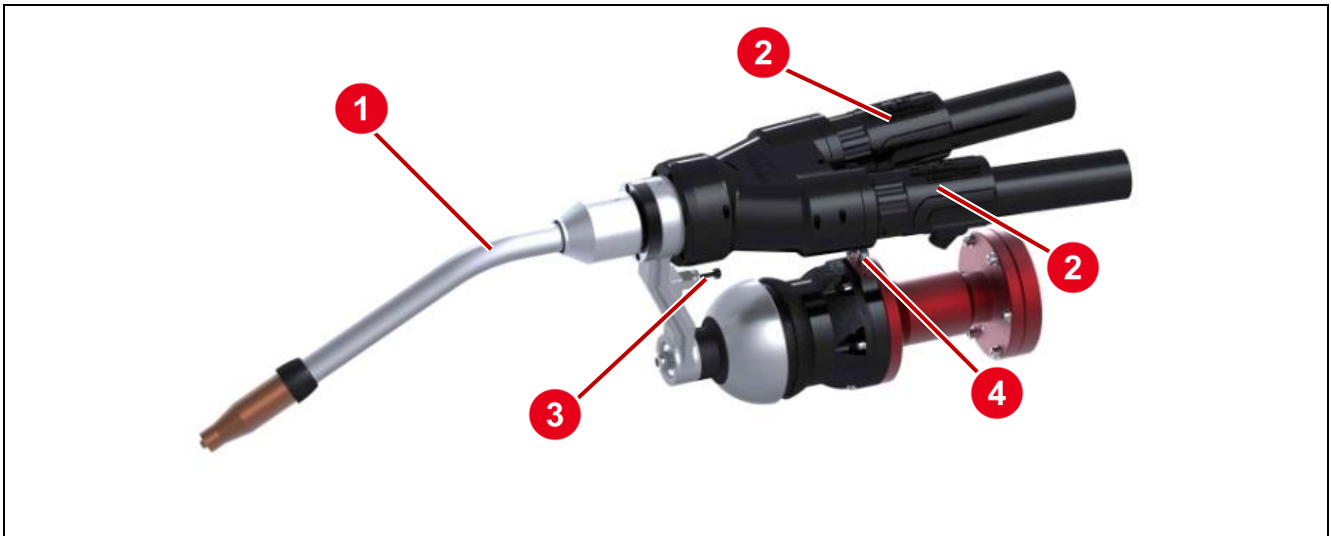


## NOTE

If different wire diameters are welded at a part, the SKS dual-wire torch can be used.

### 3 Description

The SKS Wire Select welding torch uses the bayonet quick change system of the Power Joint for the gooseneck. The Power Joint quick change system is also used for the torch cable. The torch cables use modified Power Pin connectors.



Position	Designation
1	Gooseneck
2	Bayonet quick change connectors
3	Air blast connector
4	Connector for 3-pin safety disconnection

The TCP is in line with the robot axis.

Weight: < 6kg

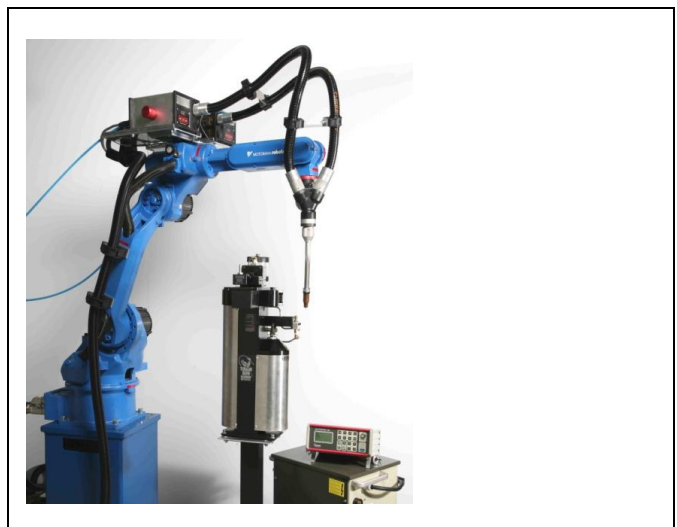
## 4 Use

### 4.1 Wire change

To change the filler material (wire1  $\leftrightarrow$  wire2) the torch is positioned above a wire cutter and a wire change routine is started by the robot. The wire is cut off and drawn back time-controlled. The second wire is fed time-controlled and also cut off.

**A wire cutter is necessary for automatic wire change!**

Cycle time of wire change routine: approx. 6 seconds.





[www.sks-welding.com](http://www.sks-welding.com)

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