



Bolzenschweißtechnik
bsk & BTV GmbH

RAPIDOR QF

AUTOMATIC WELDING HEAD



The automatic welding head RAPIDOR QF with patented fully automatic length compensation system for all length of studs

The digital automatic welding head RAPIDOR QF is designed for semi - automatic and fully automatic stud welding elements to the following method (ISO 4063:2008):

- >> capacitor discharge welding No. 786
- >> Short cycle and drawn arc No. 783 and No. 784

**Available as option:
The digital stud-length measurement
system! Monitoring of all welding
elements according to DIN EN 13918!
Increase your productivity and efficiency
by lowering your scrap rate!**

Through its patented and fully automatic stud length adjustment system, if a stud diameter as standard feed from 6mm to 30mm all lengths without time consuming changeovers and welded. Components with a large amount of studs and the same diameter but different lengths can therefore work more efficiently and effectively.

::: ADVANTAGES :::

- >> Quickly set up by the proven digital display of lift and penetration
- >> No correction in the Z direction is required, because the stud protrudes always the same distance from chuck
- >> Programmatic pre-selection of different lengths in each set of the machine control program
- >> High durability and precision due to encapsulated, lying outside the weld area ball guide unit
- >> Quickly switch to the required bolt length, thus no long residence times
- >> Particularly suitable for rugged everyday use in CNC coordinate tables
- >> Manual adjustment for semi-automatic operation

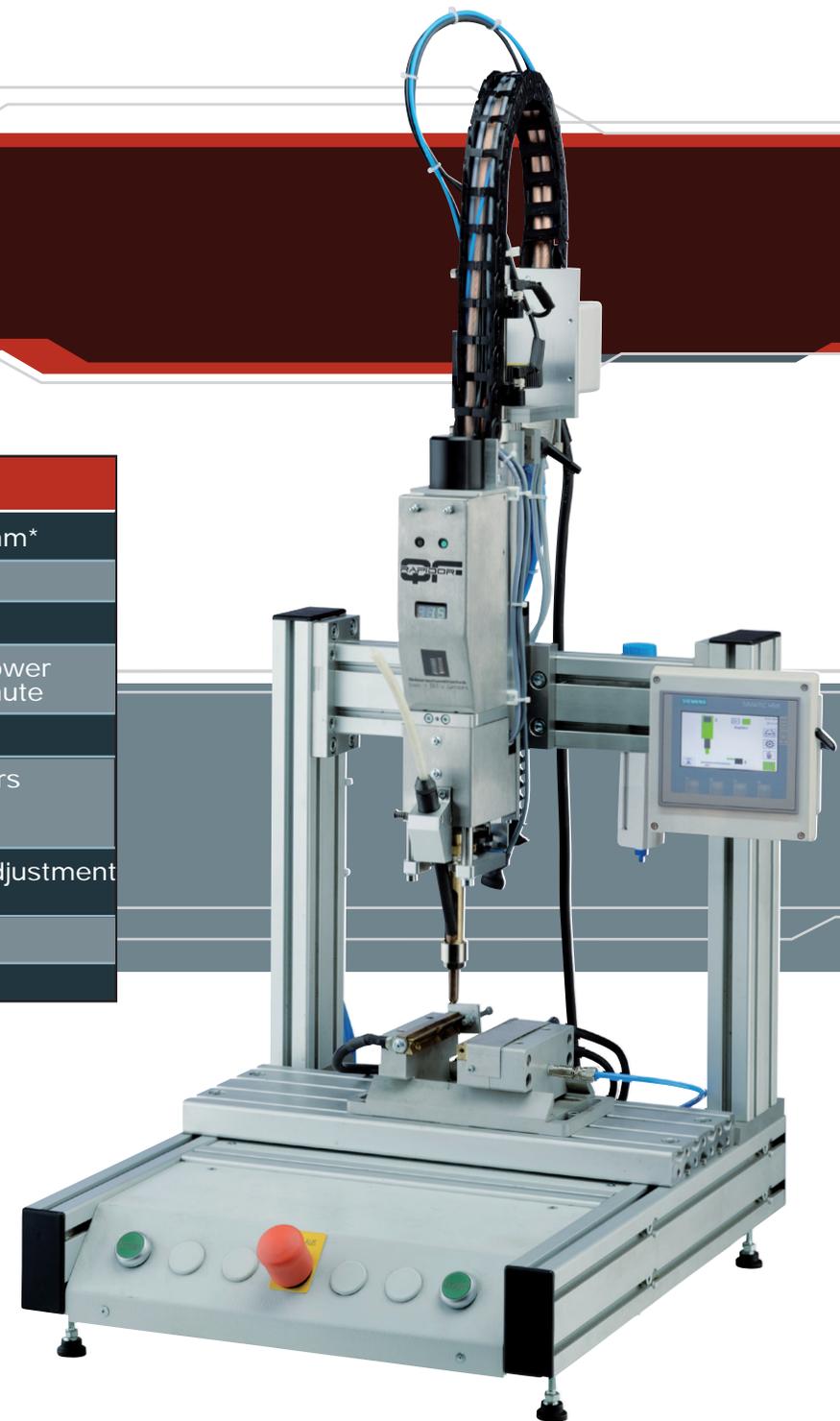


RAPIDOR QF Technical Data

TYPE	RAPIDOR QF
Welding area	Bolts and pins Ø3 -12 mm and lengths from 6-30 mm*
Material / base material	Steel, stainless steel, aluminium and brass
Compressed air	5-7 bar, not oiled
Welding cycles	Depending on the welding process, diameter and power source (power unit), supply up to 30 studs per minute
Length compensation system	Semi- / fully automatic and programmatically
Automatic chuck/ guide jacket	Guarantees fast changeover to other stud diameters by using the proven components, no special parts required
Setting of lift and penetration	0-8 mm in steps of 0.25 mm per detent a stroke adjustment digital display
Dimensions (B x H x T)	65 x 440 x 90 mm
Weight	3,8 kg

DIGITAL STUD LENGTH MEASUREMENT SYSTEM (OPTIONAL)

- >> Effective prevention of defective welded end products, thereby significantly measurable increase in productivity;
- >> Monitoring the entire bolt length for all stud welding procedures for standard welding elements;
- >> Monitoring and control of pip-length;
- >> Very simple and conspicuous posting of tolerance positions before and after welding in 0.1 mm increments;
- >> Reliable detection of default weldings with plain text display on the primary control system with simultaneous program stop.



Bolzenschweißtechnik bsk + BTV GmbH
Daimlerstr. 25, 74252 Massenbachhausen
Tel +49 (0) 7138/81097-0, Fax - 29
Email: info@stud-welding.de

www.stud-welding.de

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on our

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visit our homepage:
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