

Friction welding machine RS02

for Polyurethane profiles



Patent EU: EP 0 974 772
 Patent US: 6,250,178B1
 Patent DE: DE4318781

The Jewel

General information

The RS02 Jewel Friction Welder eliminates downtime with a perfect splice every time!

- Perfect and easy splicing in less than a minute
- Much faster than with the common welding paddle
- Precise pressure and automatically 0-position prevents uneven welds and premature failure
- Automatic alignment ensures that 100% of the belt ends are fused
- Temperature variation is never a concern → No guesswork
- Without the threat of injury or fire!
- Exchangeable profile jaws for
 - Round belts from \varnothing 6 to 20 mm
 - V-belts from 6 x 4 to 22 x 14 mm
 - Further jaws such as jaws for Ridge top- and Parallel V-belts and profile jaws for special profiles upon request

Scope of delivery:

- Friction welding machine RS02
- 1 set of standard profile jaws at your own choice
- 1 Allen key
- 1 Scissors AS 02
- 1 Edge cutter SE 02
- Carrying bag with hard foam inlay



Perfect weld in only 5 steps

1

Select and use clamping jaws.



2

Put the profile in the middle of the clamping jaws and fasten the clamping jaws with the Allen key.



3

Set the contact pressure and speed regulation depending on the size of the profile.



4

Switch the machine on and press the release button key while the welding process is running.



5

Switch off as soon as the profile is swelling and keep the spliced profile about 2 - 3 min fixed on the machine before you remove the profile.



BEHAbelt USA

1400 North Mittel Blvd, Suite B,
 Wood Dale IL 60191, USA
 Phone: +1 630 521 9835
 Fax: +1 630 521 9836
 e-mail: usa@behabelt.com
 internet: www.behabelt.com



Joining tools and welding instruments

Besides our new developed and unique welding techniques we offer a large product line of common welding instruments and joining tools.

Multi TC

Temperature-controlled welding instrument



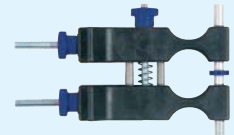
For two temperature ranges:
 PU 290 °C / Polyester 240 °C

Description
 Multi TC 230 V ~ 50/60 Hz

Article No.
FBWMTC230

Guide clamp FZ01

for Round- and V-belts



For round belts up to \varnothing 10 mm and
 V-belts up to profile 10 (Z)

Description
 Guide clamp FZ01

Article No.
FBWFZ01

Guide clamp FZ02/1

for Round- and V-belts



for V-belts up to profile 32
 and round belts from \varnothing 8

Description
 Guide clamp FZ02/1

Article No.
FBWFZ02/1

Hotpress HP01

Controller guided hotpress

*Also for
 overlap welding*



Controller guided hotpress for
 highest welding security accuracy
 (for PU- and Polyester belts).

Description
 Hotpress HP01

Article No.
FBWHP01230V

Scissors AS03

Scissors with stop



For 90° cut and mitre cut

Description
 Scissors AS03

Article No.
FBWAS03

Scissors AS04

Scissors with movable stop



For 45°, 60°, 75°, 90°, 105°,
 120° and 135° cuts

Description
 Scissors AS04

Article No.
FBWAS04

Edge cutter SE 02

with special grinding



To remove the welding bead

Description
 Edge cutter SE02

Article No.
FBWSE02

*Delivery program of
 welding instruments and
 joining tools*

Ask for our general delivery
 program with the whole range of
 BEHAbelt welding
 instruments and joining tools!

BEHAbelt USA

1400 North Mittel Blvd, Suite B,
 Wood Dale IL 60191, USA
 Phone: +1 630 521 9835
 Fax: +1 630 521 9836
 e-mail: usa@behabelt.com
 internet: www.behabelt.com

