

## HS400 & 800

Specially developed hot paddles for butt welding of conveyor belts. The design of the welding device allows easy and professional handling.

### Product features

- HS400 for up to 400 mm belt width
- HS800 for up to 800 mm belt width
- Sophisticated design with positioning aids and stoppers ensures highly repeatable accuracy of weldings
- Clamping lever with locking device
- Robust and handy design of the individual components
- Exact temperature adjustment via control unit
- No adhesion of PU or TPE material due to Teflon-coated heating paddle
- Easy cleaning of the heating blade with a cotton cloth
- Reduced risk of injury during cutting due to practical cutting device
- Welding unit delivered in a mobile, stable transport box for easy use on site
- Smallest weldable belt length  $L_f = 800$  mm



### HS400S / HS800S

Special design for short belt lengths from  $L_f = 500$  mm



### Scope of delivery:

- 1 pc. HS 400-Set (consisting of HS-BOX, HS400, FT400, Connecting cable HS400/HS-BOX, EM01 bead remover with blades, Insert bar AL 70°/90°, Angle plate 70°/90° and Transport case 400)
- 1 pc. HS 800-Set (consisting of HS-BOX, HS800, FT800, Connecting cable HS800/HS-BOX, EM01 bead remover with blades, Insert bar AL 70°/90°, Angle plate 70°/90° and Transport case 800)

### Description

HS400 Welding Set in case  
35,0 kg, approx. 50 x 95 x 30 cm (WxLxH)  
HS800 Welding Set in case  
48,0 kg, approx. 50 x 135 x 30 cm (WxLxH)

**Order No.**  
**FBWHS400**

**FBWHS800**

### Individual components:

HS BOX (Control unit for HS400/800)  
1,2 kg, approx. 18 x 20 x 15 cm (WxLxH)  
Power: max. 3,2 kW / 230V AC

**FBWHSB01**

HS400 (Heating paddle 400mm)  
1,2 kg, approx. 8 x 60 x 17 cm (WxLxH)  
Power: 2,3 kW / 230V AC

**FBWHS400S01**

HS800 (Heating paddle 800mm)  
1,7 kg, approx. 8 x 100 x 17 cm (WxLxH)  
Power: 3,2 kW / 230V AC

**FBWHS800S01**

HS400S (Heating paddle 400mm)  
1,2 kg, approx. 8 x 60 x 17 cm (WxLxH)  
Power: 2,3 kW / 230V AC

**FBWHS400S02**

HS800S (Heating paddle 800mm)  
1,7 kg, approx. 8 x 100 x 17 cm (WxLxH)  
Power: 3,2 kW / 230V AC

**FBWHS800S02**

FT400 (Joining table for HS400)  
12,5 kg, approx. 28 x 55 x 20 cm (WxLxH)

**FBWHS400FT01**

FT800 (Joining table for HS800)  
20,0 kg, approx. 28 x 95 x 20 cm (WxLxH)

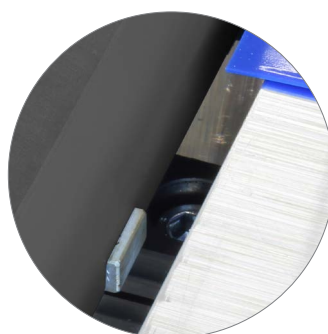
**FBWHS800FT01**

FT800 (Joining table for HS800, Angle 70°)  
20,0 kg, approx. 28 x 100 x 17,5 cm (WxLxH)

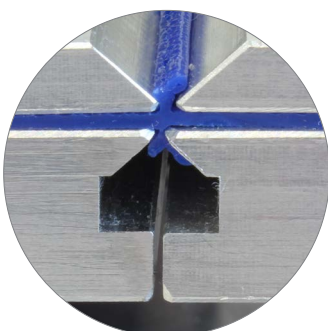
**FBWHS800FTW1**



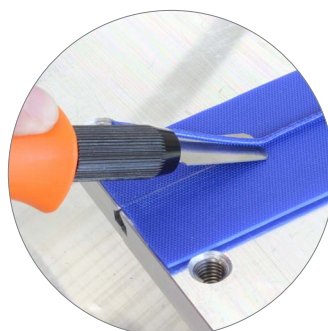
Robust and easy to use control unit for temperature control



Insert bar for repeatable welds



Clamping bars with chamfer for optimum shaping of the welding bead



Easy removal of the welding bead with the supplied tool

## WELDING TECHNOLOGY FOR ELASTIC MONOLITHIC BELTS

Elastic monolithic PU conveyor belts from BEHAbelt offer new possibilities for joining belt ends thanks to their solid PU belt construction. Thanks to the belt design without reinforcement, finger welding is no longer necessary, as the monolithic belt is a homogeneous belt design – even in the weld seam.

The HS welding device from BEHAbelt is a handy and reliable tool for butt welding monolithic belts. The belts can be joined using 90° or 70° butt splices as required. Depending on requirements, two versions are available with the joining table and heating sword for maximum belt widths of up to 400 and 800 mm.

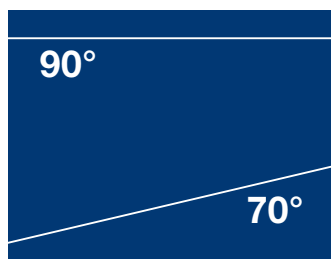
The simple operation in combination with the intuitive production aids enables repeatable and high-quality joining of the belts.

Optional adapter plates ensure precise positioning and clamping of the belt ends to be welded (e.g. Spike or SuperDrive™) for belts with more complex belt structures.

Angle for straight (90°) and bias (70°) cutting of the belt directly in the welding unit (included in delivery).



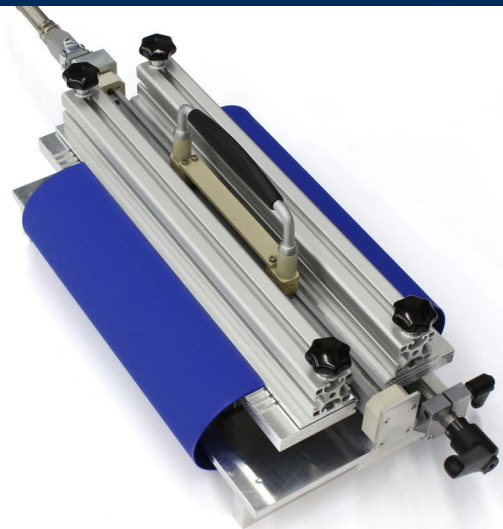
Optional 70° joining table for FT800/70° bias butt welds with HS800



Straight weld with 90° and angled weld with 70° (e.g. for check weighers)



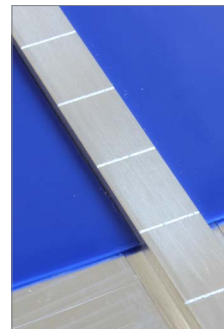
Optional adapter plates are available for complex strip structures to ensure optimum alignment and clamping of the belts to be welded in the joining table (not included in the standard delivery programme).



Compact and mobile:  
The practical HS welding device  
for conveyor belts



Tutorial video  
on YouTube



Precise and aligned insertion of the belt ends.

### Adapter plates for HS400 & 800

Spike (HS400)	FBWHS4APSP
Spike (HS800)	FBWHS8APSP
AT5 (HS400)	FBWHS4APT5
AT5 (HS800)	FBWHS8APT5
Cleandrive 2", PositiveDrive PD2 (HS800)	FBWHS8APCD
SuperDrive™, CenterDrive CD40 (HS800)	FBWHS8APSD
Thermodrive 2" (HS800)	FBWHS8APTD



Locking pins ensure that the adapter plates are positioned correctly on the joining table.