

## HP01 AIR

HP01 AIR is the air-cooled version of the hot press and offers mobility thanks to its compact design.

### Features at a glance

- Very easy to use.
- Reduces operator errors through a fully automatic and controlled welding and vulcanization process.
- Thanks to its exchangeable molds (sold separately) the HP01 is suitable for splicing many different profiles and flat belts made of PU and TPE as well as timing belts.
- User friendly operation through self-explanatory menu of controller (no expertise required).
- Perfect welding within minutes.
- Temperature variation is never a concern (no guesswork).
- Real time data logging & diagnostics function for quality assurance of the splice.
- Different types of welds possible (overlap welds, butt welds and angle welds).
- Due to its small size and the hook for hanging up the press during the welding process, the HP01 can be used in confined spaces "on-site".
- Best welding solution for reinforced profiles (aramid, polyester and steel) through overlap welding.



Tutorial video on YouTube

## HP01 WATER

HP01 WATER is the water cooled version of the hot press and offers higher cooling capacity.

### Features at a glance

Same characteristics as HP01 AIR, but with the following distinguishing features:

- Higher cooling capacity
- Cooling drum included in scope of supply
- Could also be cooled with compressed air



Shaft for HP01 to use with torque wrench available as accessory  
**FBWHPSD12**



Heating plate dimensions: 120 x 60 mm

### Scope of delivery:

1 pc. Hot press HP01 AIR, 1 pc. PPuls Controller Element, 1 pc. Edge cutter SE02, 1 pc. Screw driver, 1 pc. Scissors AS04, 1 pc. Aluminium case

**Dimensions (HxWxD): 240 x 167 x 200 mm**

**Weight: approx. 4800 g**

### Description

Standard Set HP01 /Air cooling, 230V

### Order No.

**FBWHP011L230**



### Description

Standard Set HP01/water cooling, 230 V

### Order No.

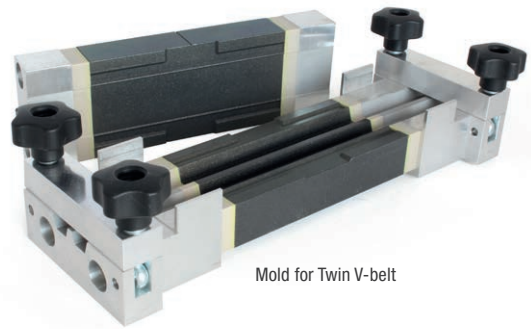
**FBWHP011W230**

### Scope of delivery:

1 pc. hot press HP01 WATER, 1 pc. Cooling unit 6,4 l with pump, 1 pc. PPuls Controller Element, 1 pc. Edge cutter SE02, 1 pc. Screw driver, 1 pc. Scissors AS04, 1 Set Connecting hoses, 1 pc. Aluminium case

## Molds for HP01 hot presses

For round and V-belts made of PU and TPE as well as other geometries. Other sizes available on request.



Mold for Twin V-belt

### Round belts

Mold Ø 6,0 mm	FBWFS060
Mold Ø 6,3 mm	FBWFS063
Mold Ø 7,0 mm	FBWFS070
Mold Ø 8,0 mm	FBWFS080
Mold Ø 9,5 mm	FBWFS095
Mold Ø 10,0 mm	FBWFS100
Mold Ø 12,0 mm	FBWFS120
Mold Ø 12,5 mm	FBWFS125
Mold Ø 14,3 mm	FBWFS143
Mold Ø 15,0 mm	FBWFS150
Mold Ø 18,0 mm	FBWFS180
Mold Ø 20,0 mm	FBWFS200

### V-belts

Mold (Z) 10x6 mm	FBWFS100X060
Mold (A) 13x8 mm	FBWFS130X080
Mold (B) 17x11 mm	FBWFS170X110
Mold (C) 22x14 mm	FBWFS220X140

### V-belt special version

Mold 8x6,5 mm vaulted top	FBWFS080X065
Mold 10x8 mm	FBWFS100X080
Mold 16,35x11,3 mm (bluepower)	FBWFS163X113
Mold 17x11,3 mm (bluepower)	FBWFS170X113

### Timing belts (width max. 50 mm)

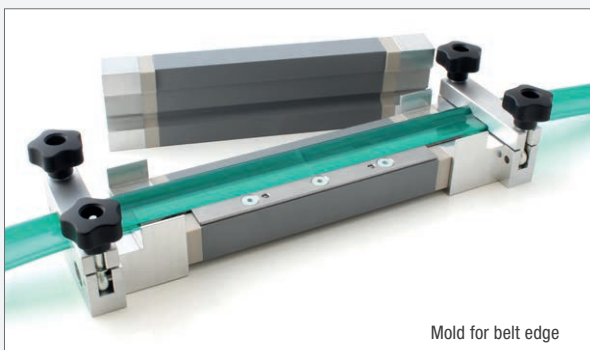
Mold for timing belt HTD5	FBWFZHTD5MN
Mold for timing belt HTD8	FBWFZHTD8MN
Mold for timing belt T5	FBWFZT5N
Mold for timing belt T10	FBWFZT10N
Mold for timing belt AT5	FBWFZAT5N
Mold for timing belt AT10	FBWFZAT10N
Mold for timing belt AT20	FBWFZAT20N
Mold for timing belt H (B: 50,8 mm/2")	FBWFZHO
Mold for timing belt L (B: 50,8 mm/2")	FBWFZLO
Mold for timing belt RPP 8M	FBWFZRPP8MN



Mold for timing belt

### Belt edge special version

Mold 14x28 mm	FBWFS14X28
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Mold for belt edge



We would be happy to check the realisation for your belt edge profile.

Belt edge profiles can be found on page 84.

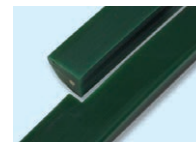
# SH01

Designed to accurately cut and prepare reinforced profiles for overlap welding with the BEHAbelt HP01 hot press.

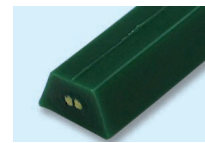


## Profile adapters for round belts

Order No.	Description	Dimensions (mm)
FBWSH1R060	Profile adapter for round belts	∅ 6,0
FBWSH1R063	Profile adapter for round belts	∅ 6,3
FBWSH1R080	Profile adapter for round belts	∅ 8,0
FBWSH1R095	Profile adapter for round belts	∅ 9,5
FBWSH1R100	Profile adapter for round belts	∅ 10,0
FBWSH1R120	Profile adapter for round belts	∅ 12,0
FBWSH1R125	Profile adapter for round belts	∅ 12,5
FBWSH1R150	Profile adapter for round belts	∅ 15,0
FBWSH1R180	Profile adapter for round belts	∅ 18,0
FBWSH1R200	Profile adapter for round belts	∅ 20,0



Before overlap welding



After overlap welding

## Profile adapters for V-belts

Order No.	Description	Dimensions (mm)
FBWSH1K10	Profile adapter for V-belts	10 x 6 (Z)
FBWSH1K13	Profile adapter for V-belts	13 x 8 (A)
FBWSH1K17	Profile adapter for V-belts	17 x 11 (B)
FBWSH1K22	Profile adapter for V-belts	22 x 14 (C)
	Profile adapters for special profiles on request	

## Scope of delivery

- 1 pc. Belt cutter SH01
- 1 pc. Screwdriver
- 1 pc. Profile adapter at your choice
- 1 pc. End wrench
- 1 set Washers

## Adapters available for the following profiles:

- Round belts ∅ 6,0 - 20,0 mm
- V-belts 13 x 8 (A), 17 x 11 (B), 22 x 14 (C), bluepower

**Dimensions (HxWxD): 200 x 80 x 45 mm**

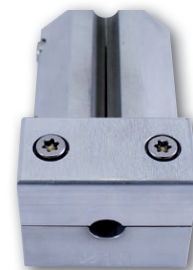
**Weight: approx. 1,3 kg**

### Description

Belt cutter SH01  
with 1 profile adapter at your choice

### Order No.

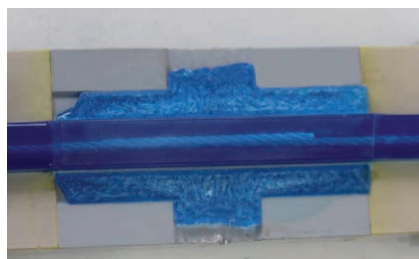
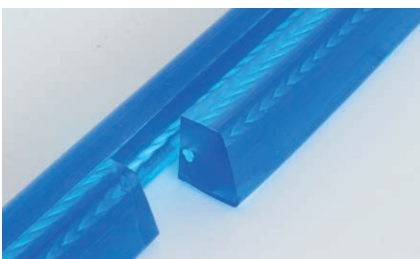
**FBWSH1**



Profile adapter for round belts



Profile adapter for V-belts



# Joining Set CRIMP (steel reinforced)



Carrying bag



CU crimps



Inner and outer welding sleeves are supplied by the metre



Cable stripper cutter



Stripping hook



Crimping tool RH-2



Tutorial video on YouTube

## Scope of delivery CRIMP-Set RH-2

- 1 pc. Carrying bag
- 1 pc. Crimping tool RH-2
- 1 pc. Cable stripper
- 1 pc. Stripping hook
- 3m respectively polyester sleeves (outside/inside)
- 100 pcs. CU crimps

### Description

Crimp-Set RH-2  $\varnothing$  9,5 mm  
Crimp-Set RH-2  $\varnothing$  12,5 mm

### Order No.

FBWRH2SET095  
FBWRH2SET125

## Joining Set CRIMP\* for steel reinforced profiles with RH-2

This improved crimping technology ensures that the steel-reinforced belt profiles are connected even more reliably.



### Canning industry: Crimp Connection

A special design is the connection of belts with steel reinforcement. Here, the exposed reinforcement is connected with press sleeves and the resulting gap in the connection point is then filled again with material inserts/welding sleeves. Using a profile Mold and a hot press, the splice zone is then filled up and welded by pressure and temperature to the rest of the belt.

Our RH-2 joining set is available for this purpose and provides you with the complete equipment and material for creating such a splice.



1

Join exposed reinforcement with press sleeves



2

Fill the gap with material inserts



3

Positioning of the unwelded splice into the Mold



4

Profile joined by hot press

\* Ferrules