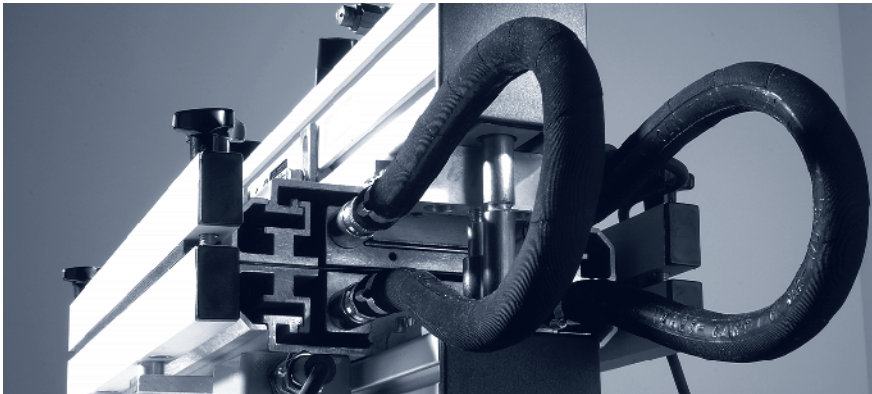


Splicing technology: Heating presses for melt splices



Brief outline

Robust press design – modular type. Surface milled heating platens with short heat-up times and ideal temperature distribution; can be cooled down with water. Heating temperature to max. 200 °C. Pressure generated mechanically or pneumatically with pressure hose to 7 bars. Belt holders affixed.

Applications

- Belt thicknesses depending on type to max. 10 mm or unlimited
- Belt widths depending on type between max. 60 mm and max. 4000 mm
- For use in all industries/segments
- For all types of melt splices in power transmission and conveyor belts up to 150 mm splice length

Supplied as

Supplied with equalizing sheet, separating paper, set of shim bars, soft pad, patterned fabric and thermometer

Accessories

- Control units
- Portable cooling device
- Accessory kits for SM-HP-150/60 and SM-HP-50/100 for splicing power transmission and conveyor belts and belts with longitudinal profiles
- Si embossing mats

Spare parts

Numerous spare parts such as

- Thermometers
- Cooling hoses
- Equalizing sheets etc.

Reference nos. are given in each tool sheet.

Tools can be sent for repair to the Forbo Siegling service department. You can also lease tools on request.

Contents

Preparation tools

- for cutting
- for splitting/peeling
- for grinding
- for punch cutting

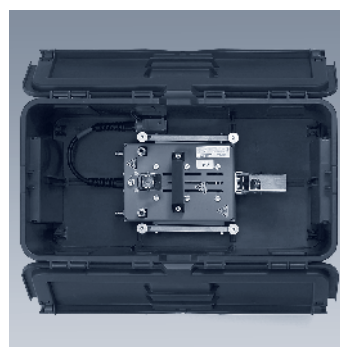
Splicing tools

- for bonded splices – heating presses
- for melt splices – heating clamps
- for melt splices – heating presses
- for melt splices – special heating tools
- for mechanical fasteners

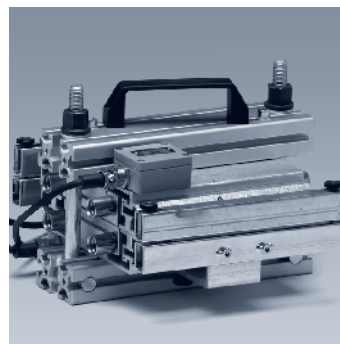
Mechanical heating presses

Type designation	SM-HP-150/60	SM-HP-150/100	SM-HP-120/150
	Heating press	Heating press	Heating press
Technical data			
Dimensions (l x w x h)	[mm] 240 x 180 x 140	240 x 220 x 150	295 x 280 x 220
Length of heating platen	[mm] 150	150	120
Max. material width	[mm] 60	100	150
Weight	[kg] 3.8	7	13.2
Voltage	[V] 230/110	230/110	230/110
Power	[W] 2 x 300	2 x 500	2 x 300
Max. heating temperature	[°C] 210	210	210
Air pressure	[bar] –	–	–
Heat-up time	[min] 4	4	10
Water cooling possible	yes	yes	yes
Article nos. basic tool			
230 V	871619	872222	872496
110 V	871640	872224	872497
3 x 400 V	–	–	–
3 x 220 V	–	–	–
Article nos. accessories			
SM-HP-150/XX accessory kit A1.1	871674	872225	–
SM-HP-150/XX accessory kit A1.2	871675	872226	–
SM-HP-150/XX accessory kit A1.3	871676	872227	–
Si-embossing mats (for patterns see below)	see tool sheet	see tool sheet	see tool sheet
Digital thermometer	871563	871563	871563
“Standard” temperature sensor	871564	871564	871564
“Robust” temperature sensor	871565	871565	871565
Cooling device WCD-26	871366	871366	871366
Cooling device WCD-55	–	–	–
Compressor ACU-8/200	–	–	–
Control unit ECU-1800	872458	872458	872458
Control unit ECU-6400	–	–	–
Equalizing sheet for printing blanket	–	–	–
Tool sheet no.	T-044	T-044	T-045

Type designation	SM-HP-120/130
	Heating press
Technical data	
Dimensions (l x w x h)	[mm] 185 x 250 x 150
Length of heating platen	[mm] 120
Max. material width	[mm] 110
Weight	[kg] 5.5
Voltage	[V] 230/110
Power	[W] 2 x 250
Max. heating temperature	[°C] 210
Heat-up time	[min] 8
Water cooling possible	yes
Article nos. basic tool	
230 V	872776
110 V	872777
Article nos. accessories	
Accessory kit profile K15 x 5.5 SM-HP-120/130	872851
Accessory kit pre-tensioning SM-HP-120/130	872803
Accessory kit standard SM-HP-120/130	872793
Accessory kit profile K6 SM-HP-120/130	872794
Accessory kit profile K10 SM-HP-120/130	872795
Accessory kit profile K13 SM-HP-120/130	872796
Accessory kit profile K15 SM-HP-120/130	872797
Accessory kit profile K17 SM-HP-120/130	872798
Splice guide teflon 0 – 40 mm SM-HP-120/130	872799
Splice guide teflon 40 – 70 mm SM-HP-120/130	872800
Splice guide teflon 70 – 100 mm SM-HP-120/130	872801
Splice guide teflon 100 – 130 mm SM-HP-120/130	872802
Foam lining for SM-HP-120/130	872804
Control unit ECU-800 230V	872837
Control unit ECU 400 110V	872838
Cooling device control unit ECU 400	872859
Cooling device control unit ECU 800	872858



SM-HP-120/130

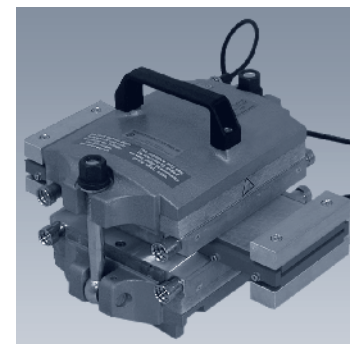


SM-HP-120/150

Si-embossing mats

Si-embossing mats can be supplied with the following patterns:

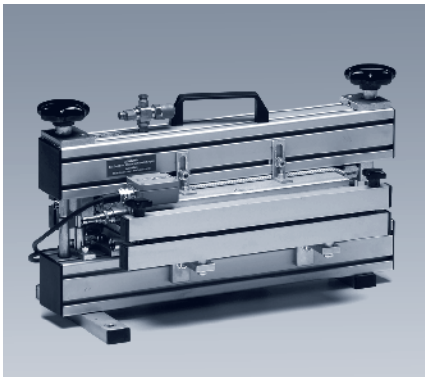
- LG** longitudinal groove
- GSTR** coarse pattern
- SG** lattice pattern
- RF** fine rhomboid pattern
- NP** inverted pyramid pattern
- RFF** flat fine rhomboid pattern
- VN** staggered stud pattern
- R80** rhomboid
- CH** CH pattern
- FG** herringbone pattern



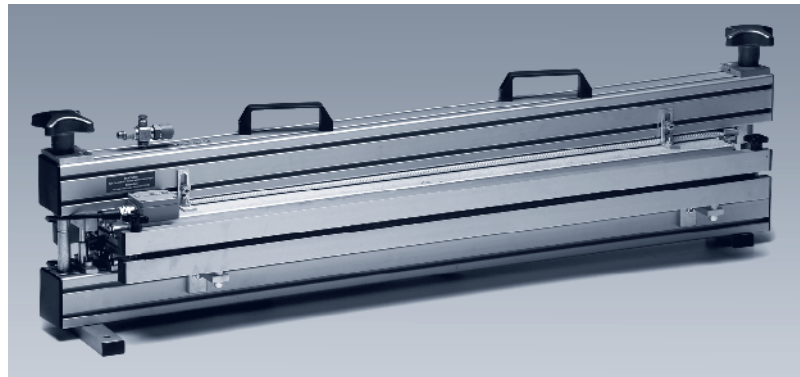
SM-HP-150/60

Pneumatic heating presses

SM-HP-120/300-P	SM-HP-120/750-P	SM-HP-120/1250-P	SM-HP-120/2000-P	SM-HP-180/500-P	SM-HP-180/1000-P
Heating press	Heating press	Heating press	Heating press	Heating press	Heating press
270 x 560 x 330	270 x 1010 x 330	270 x 1510 x 425	315 x 2260 x 510	450 x 645 x 330	450 x 1175 x 470
120	120	120	120	180	180
300	750	1250	2000	500	1000
25	62	83	162	65	130
230/110	230/110	3 x 400/3 x 220	3 x 400/3 x 220	230/110	3 x 400/3 x 220
2 x 1000	2 x 2000	2 x 3250	2 x 4000	2 x 1050	2 x 2000
210	210	210	210	200	200
5	5	5	5	7	7
7	7	10	10	18	18
yes	yes	yes	yes	yes	yes
871479	872467	-	-	872525	-
871569	872468	-	-	872526	-
-	-	872513	872519	-	872531
-	-	872514	872520	-	872532
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
see tool sheet	see tool sheet	see tool sheet	see tool sheet	see tool sheet	see tool sheet
871563	871563	871563	871563	871563	871563
871564	871564	871564	871564	871564	871564
871565	871565	871565	871565	871565	871565
-	-	-	-	-	-
870356	870356	870356	870356	870356	870356
871524	871524	871524	871524	871524	871524
872458	872458	-	-	872458	-
-	-	872452	872452	-	872452
-	-	-	-	-	-
T-046	T-046	T-046	T-046	T-047	T-047

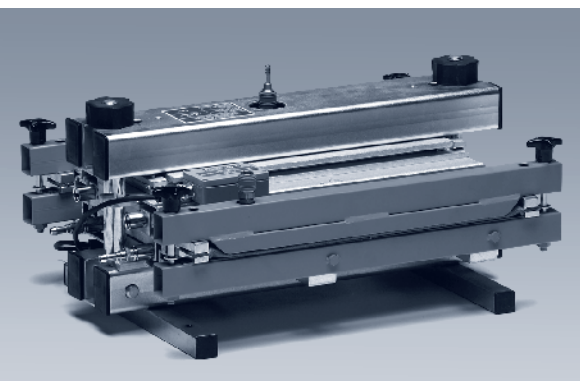


SM-HP-120/300-P

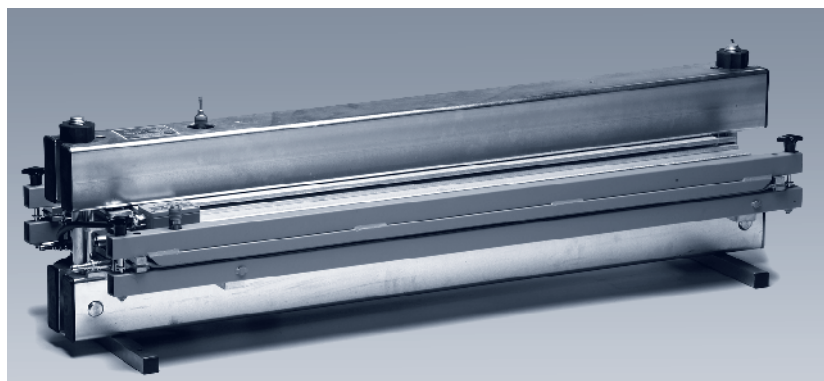


SM-HP-120/1250-P

P	SM-HP-180/1500-P	SM-HP-180/2250-P	SM-HP-180/3000-P	SM-HP-180/3500-P	SM-HP-180/4000-P
	Heating press	Heating press	Heating press	Heating press	Heating press
	450 x 1675 x 470	450 x 2515 x 690	450 x 3265 x 690	450 x 3765 x 750	550 x 4340 x 810
	180	180	180	180	
	1500	2250	3000	3500	4000
	185	310	415	500	1180
	3 x 400/3 x 220	3 x 400/3 x 220	3 x 400/3 x 220	3 x 400/3 x 220	3 x 400/3 x 220
	2 x 2950	2 x 4470	2 x 5900	2 x 6840	2 x 7800
	200	200	200	200	200
	7	7	7	7	7
	20	20	22	22	22
	yes	yes	yes	yes	yes
	-	-	-	-	-
	-	-	-	-	-
	872537	872543	870282	872550	871284
	872538	872544	871342	872551	871673
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	see tool sheet	see tool sheet	see tool sheet	see tool sheet	see tool sheet
	871563	871563	871563	871563	871563
	871564	871564	871564	871564	871564
	871565	871565	871565	871565	871565
	-	-	-	-	-
	870356	870356	870356	870356	870356
	871524	871524	871524	871524	871524
	-	-	-	-	-
	872452	872452	872452	872452	872452
	-	-	-	-	872207
	T-047	T-047	T-047	T-047	T-047



SM-HP-180/500-P



SM-HP-180/1500-P

Control units

Brief outline

Control units are important for handling heating presses. They reduce the time for checking and monitoring while heating up and cooling down.

In using control units heating procedures are easy to repeat.

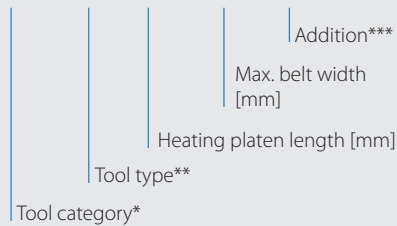
The temperatures of both heating platens are continually monitored with a temperature sensor. You can pre-set both the heating time and temperature.

Then the temperature is kept and the cooling system is activated automatically.

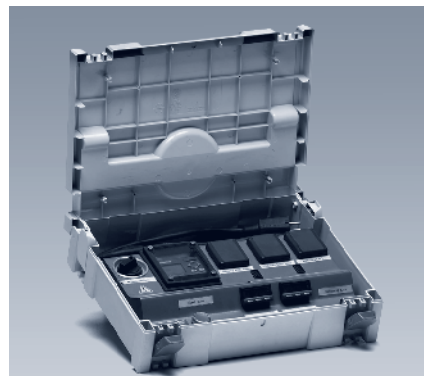
Type designation	ECU-1800	ECU-6400	ECU 800 [400]
	Control unit	Control unit	Control unit
Technical data			
Dimensions (d x w x h)	[mm] 400 x 300 x 110	400 x 300 x 225	190 x 135 x 56
Net weight	[kg] 5	11.2	0.9
Power supply	[V/A] 230/16	400/32	230 [110]
Power	[kW] 2 x 300	2 x 500	2 x 800/2 x 400
Lead ø	[mm] 3 x 1.5	-	-
Number of outputs	[amount/V] 3/230	3 x 230/2 x 400	2
Heating capacity	[W] 2 x 1800	2 x 6400	0.8
Cooling	[W] 250	250	460
Max. heating temperature	[°C] 225	225	225
Sensor ø	[mm] 4	4	-
Reference no.	872458	872452	872837
Tool sheet no.	T-053	T-054	T-065

Type key

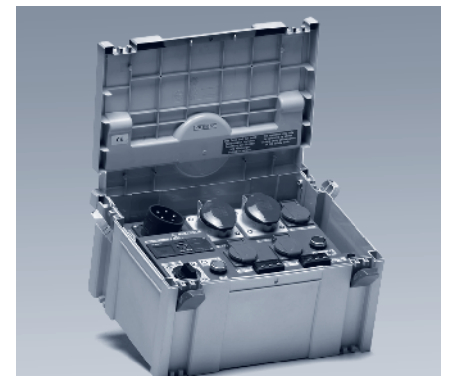
SM - HP - 120 / 300 - P



- * SM = Splicing tools for melt splices
- ** HP = Heating presses
- *** P = pneumatic



Control unit ECU-1800



Control unit ECU-6400



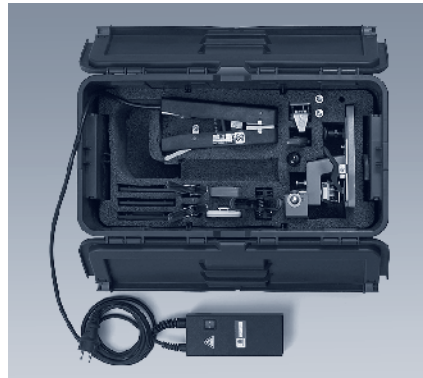
Control unit ECU-800/400

Fitting sets

Type designation	Live roller 6/40	P/P-2-V/40	P/P-4-V/80
	Fitting set	Fitting set	Fitting set
Technical data			
Heating platen length [mm]	110	50	50
max. belt width [mm]	40	40	80
Reference no.			
230 V	872742	872737	872730
110 V	872743	873736	872740



Live roller 6/40



P/P-2-V/40



P/P-4-V/80

Live roller 6/40 Supplied with

- BTS-6 tool set
- PP-ZP-V/40-3 punch press
- Set of punch cutting knives
70 x 11.5 mm
- Set of punch cutting knives
110 x 11.5 mm
- Fitting case
- Lining for fitting case

P/P-2-V/40 Supplied with

- BTS-2-V tool set
- PP-ZP-V/40-3 punch press
- Set of punch cutting knives
35 x 11.5 mm
- Fitting case
- Lining for fitting case

P/P-4-V/80 Supplied with

- BTS-4-V tool set
- PP-ZP-V/80-3 punch press
- Set of punch cutting knives
35 x 11.5 mm
- Fitting case

BTS-2, 3, 4, 5, 6 supplied with:

- SM-HC-.../... or SMX-HC-130/40 heating clamp
- Cooling clamp
- Timer
- Clips for splice guide



MOVEMENT SYSTEMS

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Forbo Movement Systems is part of the Forbo Group,
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