

HOW DOES THE MEMBRANE PLATE WORK?

Drucktech has revolutionized the transfer technology by developing the membrane heat presses. The workplate has a special rubber sheet on top so when the machine is closed, the workplate is filled with compressed air. This ensures a unique high pressure for the heat transfer application.

It has **many advantages** over the conventional heat-press systems:

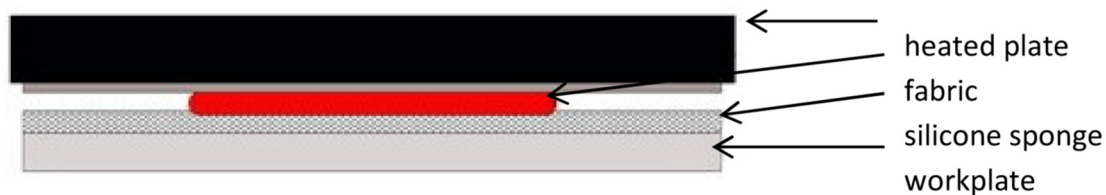
The machine can achieve high pressure (0,5-0,7 kg/cm², caps: 1,5 kg/cm²) Pressure is equal on every part of the plate. It is easy to use, the heat-press can be closed and opened without efforts. The parameters of the heat-transfer application (pressure, temperature, time) can be reproduced. The abrasion of the mechanical parts is minimal as the heat-press is opened and closed without forcing.

When we created machines of the „Etalon” product group, we have used many solutions that no other heat-press manufacturers have used before:

- membrane plate
- console
- space-saving opening of heated plate
- sensor of safety frame
- pressure alignment of heated plate using a ball
- membrane mug heat-press
- positioning of workplates using a drawbar

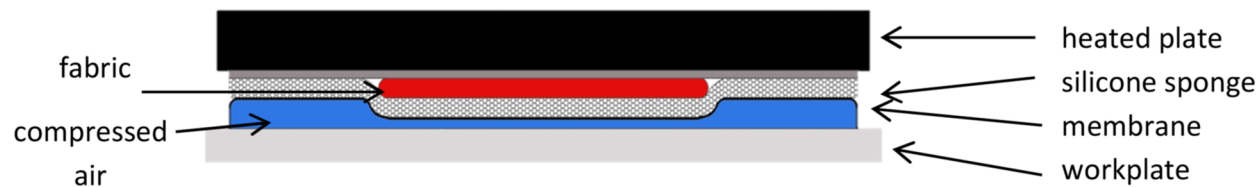
Products of the „Etalon” product group deserve to be called heat-presses of the XXI. century.

Figure I.



In Figure I. we can see the cross section of a traditional heat-press. Pressure is concentrated on the highest point of the material placed inside. In case this is a button or a zip, there is no-, or only low pressure on the other parts..

Figure II.



In figure II. we can see the cross section of a membrane heat-press. Pressure is spread evenly on the surface, compressed air is pressing the material and membrane to the heated plate with the same power everywhere (even near buttons).

MANUAL MEMBRANE HEAT-PRESSES

- customizable control-unit
- programmed or manual time setting
- warning till the machine has not reached the set temperature
- time counter for operations after heat-pressing
- counter (values can be deleted)
- protection against switching on after an eventual blackout
- system-check on start
- lifelong guarantee on heated plate
- high pressure on surface 0,8-1 kg/cm²
- stable structure, massive build
- auto-release
- exchangeable teflon sheet on heated plate



AUTO-RELEASE SMALL MEMBRANE HEAT-PRESSES WITH CHANGEABLE WORKPLATE AND HEATED PLATE

Available as cap-press, small flat press or combo heat-press. ONLY WHILE STOCKS LAST!



SSH-1A



SSH-2A



SSH-12A

Type	Plate, heated plate (cm)	Membrane plate	Changeable plate	Auto-release	Power	Compressed air consumption	Max. pressing power (kg/cm ²)	Max. material thickness-	Size, weight
SSH-1-A	13x9	✓	✓	✓	230 V / 450 W	10 l/min	1,5	1,5 cm	35x50x40 cm, 25 kg
SSH-2-A	15x20	✓	✓	✓	230 V / 750 W	10 l/min	0,7	1,5cm	35x50x40 cm, 25 kg
SSH-12-A	cap 13x9 flat 15x20	✓	✓	✓	230 V / 450 W 230 V / 750 W	10/min	1,5/0,7	1,5 cm	35x50x40 cm, 25 kg

AUTO-RELEASE SMALL MEMBRANE HEAT-PRESSES WITH CHANGEABLE WORKPLATE AND HEATED PLATE

Available as cap-press, small flat press or combo heat-press. The plate holder can be removed, so the machine is suitable for larger objects as well (football for example).



SSH-1NA



SSH-2NA



ASZTALTARTÓ NÉLKÜL

Type	Plate, heated plate (cm)	Membrane plate	Changeable plate	Auto-release	Power	Compressed air consumption	Max. pressing power (kg/cm ²)	Max. material thickness-	Size, weight
SSH-1NA	cap 13x9	✓	✓	✓	230 V / 450 W	10 l/min	1,5	1,5 cm	35x50x40 cm, 25 kg
SSH-2NA	15x20	✓	✓	✓	230 V / 750 W	10 l/min	0,7	1,5cm	35x50x40 cm, 25 kg
SSH-12NA	cap 13x9 flat 15x20	✓	✓	✓	230 V / 450 W 230 V / 750 W	10/min	1,5/0,7	1,5 cm	35x50x40 cm, 25 kg

AUTO-RELEASE MEMBRANE HEAT-PRESSES WITH CHANGEABLE WORKPLATE.

Due to the new structure T-shirts can be easily pulled over the membrane plate. The heat-presses can be used without compressed air or with traditional workplates as well. The heated plate and membrane plate are both capable of being turned 90°.



SP-23NA



SP-45NA

Type	Plate, heated plate (cm)	Membrane plate	Traditional plate	Changeable plate	Possibility of turning the heated plate	Auto-release	Power	Compressed air consumption	Max. pressing power (kg/cm ²)	Max. material thickness-	Size, weight
SP-23 NA	25x35	✓	✓	✓	✓	✓	230 V / 1000 W	15 l/min	0,7	2 cm	40x60x50 cm, 45 kg
SP-45 NA	50x40	✓	✓	✓	✓	✓	230 V / 2100 W	15 l/min	0,7	2 cm	45x65x50 cm, 60 kg

AUTO-RELEASE MEMBRANE HEAT-PRESSES WITH EXTRA SIZE

Large sized versions of the SP-45.



SP-410A/SP-58A



SP-512A

Type	Plate, heated plate (cm)	Membrane plate	Changeable plate	Auto-release	Power	Compressed air consumption	Max. pressing power (kg/cm ²)	Max. material thickness-	Size, weight
SP-58A*	50x80	✓	-	✓	400 V / 4200 W	30 l/min	0,7	1,5 cm	70x85x40 cm, 100 kg
SP-410A*	40x100	✓	-	✓	400 V / 4200 W	30 l/min	0,7	1,5 cm	65x105x40 cm, 100 kg
SP-512A	50x120	✓	-	✓	400 V / 6300 W	45 l/min	0,7	1,5 cm	65x160x40 cm, 170 kg

*230V version also available

PNEUMATIC MEMBRANE HEAT-PRESSES

Automatic heat-pressing (can be activated).

Life-long guarantee on heated-plate.

Heated plate equipped with security frame.

Different pressing times can be set on the plates.

Interchangeable, rotatable workplates.

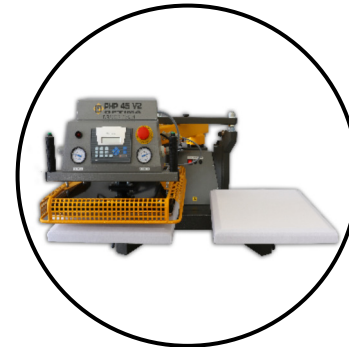
Optimization and display of heating power.

Massive, professional design.

Can be equipped with membrane or traditional workplates.

Accurate temperature regulator, temperature protection.

Heated plate covered with teflon sheet.



AUTOMATIC DOUBLE MEMBRANE HEAT-PRESSES WITH BRACKET

Adjustable distance between heated plate and workplate, membrane plates are changeable, pressing power is high. Pressing is done after button-push, or in a programmed mode.



PHP-45V2A OPTIMA



PHP-45V2A MAXIMA

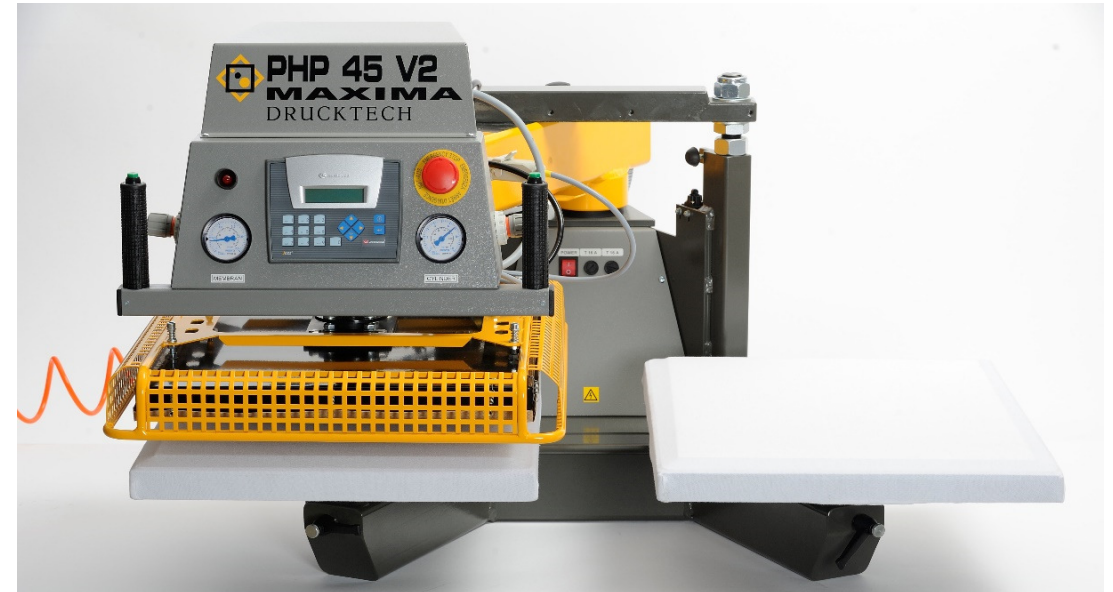
Type	Plate, heated plate (cm)	Membrane plate	Changeable plate	Traditional plate	Auto-release	Power	Compressed air consumption	Max. pressing power (kg/cm ²)	Max. material thickness-	Size, weight
PHP-45V2A OPTIMA	40x50	✓	✓	✓	✓	230 V / 2100 W	50 l/min	0,7	6 cm	105x85x60 cm, 125 kg
PHP-45V2A MAXIMA	40x50	✓	✓	✓	✓	230 V / 2100 W	50 l/min	1	6 cm	105x85x60 cm, 135 kg

SEMI-AUTOMATIC DOUBLE MEMBRANE HEAT-PRESSES WITH BRACKET

Adjustable distance between heated plate and workplate, membrane plates are changeable, pressing power is high. Automatic mode (heated plate goes down when in right position above the membrane plate) can be activated.



PHP-45V2 OPTIMA



PHP-45V2 MAXIMA

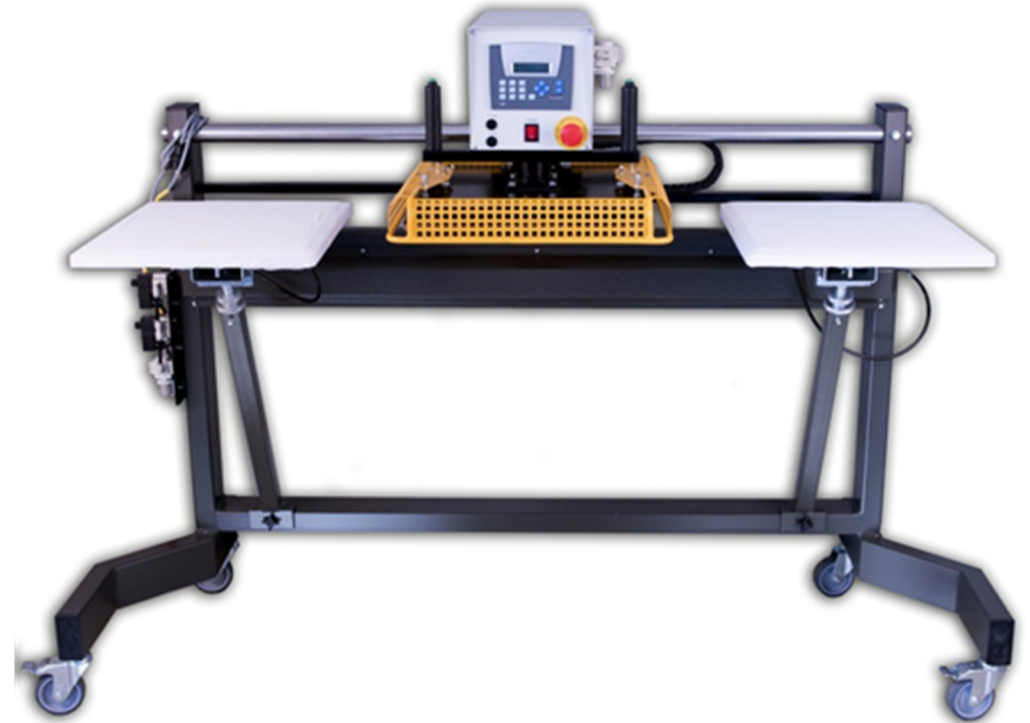
Type	Plate, heated plate (cm)	Membrane plate	Changeable plate	Traditional plate	Auto-release	Power	Compressed air consumption	Max. pressing power (kg/cm ²)	Max. material	Size, weight
PHP-45V2A OPTIMA	40x50	✓	✓	✓	✓	230 V / 2100 W	50 l/min	0,7	6 cm	105x85x60 cm, 125 kg
PHP-45V2A MAXIMA	40x50	✓	✓	✓	✓	230 V / 2100 W	50 l/min	1	6 cm	105x85x60 cm, 135 kg

SEMI-AUTOMATIC DOUBLE MEMBRANE HEAT-PRESSES

Automatic mode (heated plate goes down when in right position above the membrane plate) can be activated.



PHP-45-2R



PHP-45-2

Type	Plate, heated plate (cm)	Membrane plate	Changeable plate	Traditional plate	Auto-release	Power	Compressed air consumption	Max. pressing power (kg/cm ²)	Max. material thickness-	Size, weight
PHP-45-2-R	40x50	✓	✓	✓	✓	230 V / 2100 W	45 l/min.	0,7	3 cm	80x120x150 cm, 180 kg
PHP-45-2	40x50	✓	✓	✓	✓	230 V / 2100 W	45 l/ min.	0,7	3 cm	80x170x150 cm, 200 kg

SEMI-AUTOMATIC MEMBRAN HEAT-PRESSES

Semi-automatic swing heat-press with membrane and bracket.

Carrousel-like membrane heat-press for caps with four workplates and two heated plates.



PHP-45K OPTIMA



CCP4/2

Type	Plate, heated plate (cm)	Membrane plate	Changeable plate	Traditional plate	Auto-release	Power	Compressed air consumption	Max. pressing power (kg/cm ²)	Max. material thickness-	Size, weight
PHP-45K OPTIMA	40x50	✓	✓	✓	✓	230 V / 2100 W	40 l/min	0,7	4 cm	105x85x60 cm, 120 kg
CCP4/2	cap: 13x9	✓	-	-	✓	230 V / 2x450 W	25 l/min	1,5	1,5 cm	80x80x60 cm, 50 kg

HEAT-PRESSES FOR MUGS

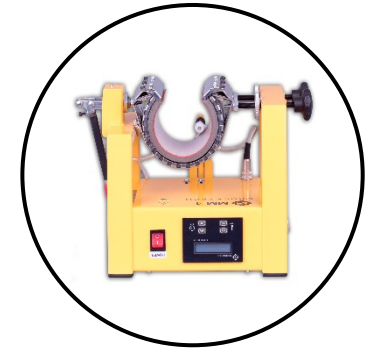
Membrane mug presses (MM-1, MM-1-A) can reach high surface pressure (2 kg/cm²) which helps to even mugs with surface issues.

The MM-1-A automatically sinks and lifts the mug.

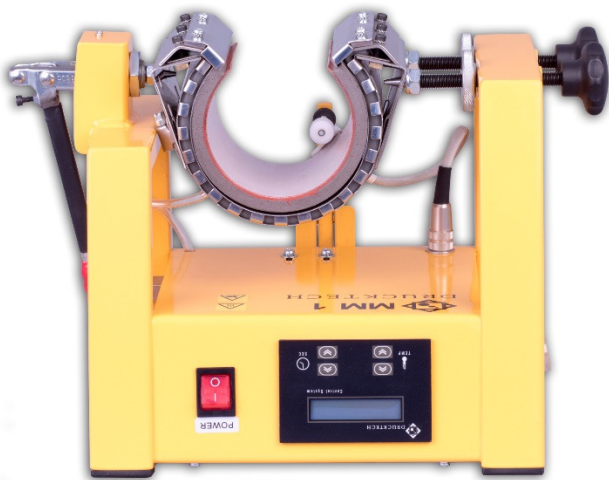
Membrane types are equipped with pneumatic pressure regulation.

Precise temperature regulation

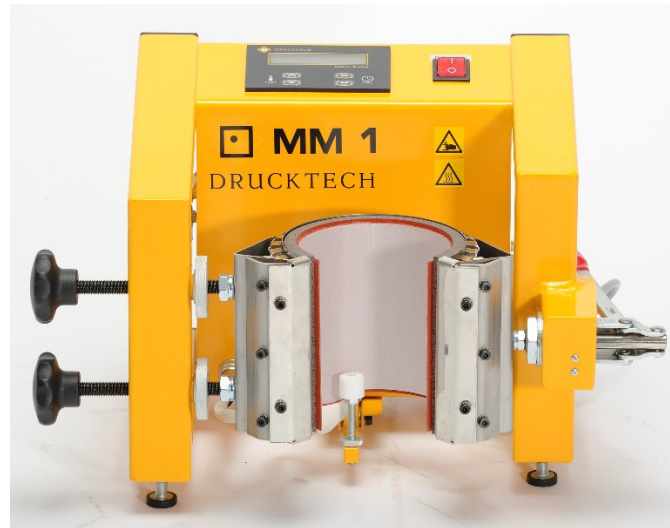
Professional design



Heat-presses for 80 mm diameter mugs.



**M-1
 NORMAL**



**MM-1
 MEMBRANE**



**MM-1A
 AUTOMATIC MEMBRANE**

Type	Heating element	Membrane	Changeable heating element	Auto-release	Power	Compressed air consumption	Max. pressing power (kg/cm ²)	Max. mug size-	Size, weight
M-1	ø80 mm	-	-	-	230 V / 300 W	-	N/A	ø80 mm	25x25x30 cm, 3 kg
MM-1	ø80 mm	✓	-	-	230 V / 300 W	10 l / min	2	ø80 mm	25x25x30 cm, 3 kg
MM-1-A	ø80 mm	✓	-	✓	230 V / 300 W	10 l / min	2	ø80 mm	30x60x50 cm, 15 kg

TRADITIONAL MANUAL HEAT-PRESSES

Life-long guarantee on heated plate

Adjustable distance between heated- and workplate

Available with heated bottom plate and workplate on top

Automatic digital timer

Auto-release versions are also available

Can be ordered with heated workplate as well

Accurate temperature regulator

Professional design

Heated plate covered with teflon-sheet



SMALL TRADITIONAL HEAT-PRESSES WITH CHANGEABLE WORKPLATE AND HEATED PLATE

Available as cap-press, small flat press or combo heat-press. ONLY WHILE STOCKS LAST!



SH-1 / SH-1A



SH-2 / SH-2A



SH-12 / SH-12A

Type	Workplate, heated plate (cm)	Traditional plate	Changeable plate	Auto-release	Power	Max. material thickness	Size, weight
SH-1	cap 13x9	✓	✓	-	230 V /450 W	1,5 cm	30x50x40 cm, 16 kg
SH-1A	cap 13x9	✓	✓	✓	230 V /450 W	1,5 cm	30x50x40 cm, 16 kg
SH-2	15x20	✓	✓	-	230 V/ 750 W	1,5 cm	30x50x40 cm, 16 kg
SH-2A	15x20	✓	✓	✓	230 V/ 750 W	1,5 cm	30x50x40 cm, 16 kg
SH-12	cap: 13x9 flat: 15x20	✓	✓	-	230 V /450 W 230 V/ 750 W	1,5 cm	35x50x40 cm, 20 kg
SH-12A	cap: 13x9 flat: 15x20	✓	✓	✓	230 V /450 W 230 V/ 750 W	1,5 cm	35x50x40 cm, 20 kg

SMALL TRADITIONAL HEAT-PRESSES WITH CHANGEABLE WORKPLATE AND HEATED PLATE

Available as cap-press, small flat press or combo heat-press. The plate holder can be removed, so the machine is suitable for larger objects as well (football for example).



SH-1N / SH-1NA



SH-2N / SH-2NA

ASZTALTARTÓ NÉLKÜL

Type	Workplate, heated plate (cm)	Traditional plate	Changeable plate	Auto-release	Power	Max. material	Size, weight
SH-1N	13x9	✓	✓	-	230 V /450 W	1,5 cm	30x50x40 cm, 16 kg
SH-1NA	13x9	✓	✓	✓	230 V /450 W	1,5 cm	30x50x40 cm, 16 kg
SH-2N	15x20	✓	✓	-	230 V/ 750 W	1,5 cm	30x50x40 cm, 16 kg
SH-2NA	15x20	✓	✓	✓	230 V/ 750 W	1,5 cm	30x50x40 cm, 16 kg
SH-12N	cap: 13x9 flat: 15x20	✓	✓	-	230 V /450 W 230 V/ 750 W	1,5 cm	35x50x40 cm, 20 kg
SH-12NA	cap: 13x9 flat: 15x20	✓	✓	✓	230 V /450 W 230 V/ 750 W	1,5 cm	35x50x40 cm, 20 kg

TRADITIONAL MANUAL HEAT-PRESSES WITH CHANGEABLE PLATE

Traditional manual heat-presses with changeable workplate. Due to the new structure T-shirts can be easily pulled over the plate. The heat-presses can be used without compressed air or with traditional workplates as well. The heated plate and membrane plate are both capable of being turned 90°.



HP-23N / HP-23NA



HP-44N / HP-44NA



HP-45N / HP-45NA

Type	Workplate, heated plate (cm)	Traditional plate	Changeable plate	Auto-release	Power	Max. material thickness	Size, weight	Type
HP-23N	25X35	✓	✓	-	✓	230 V / 1000 W	2 cm	40x60x50 cm, 40 kg
HP-23NA	25X35	✓	✓	✓	✓	230 V / 1000 W	2 cm	40x60x50 cm, 40 kg
HP-44N	40x40	✓	✓	-	✓	230 V / 2000 W	1,5 cm	42x65x40 cm, 45 kg
HP-44NA	40x40	✓	✓	✓-	✓	230 V / 2000 W	1,5 cm	42x65x40 cm, 45 kg
HP-45N	40x50	✓	✓		✓	230 V / 2100 W	2 cm	45x65x50 cm, 55 kg
HP-45NA	40x50	✓	✓	✓	✓	230 V / 2100 W	2 cm	45x65x50 cm, 55 kg

LARGE SIZED TRADITIONAL MANUAL HEAT-PRESSES



HP-56NA



HP-410 / HP-410A / HP-58 / HP-58A

Type	Workplate, heated plate (cm)	Traditional plate	Changeable plate	Auto-release	Power	Max. material thickness	Size, weight
HP-56NA	50x60	✓	✓	✓			
HP-58*	50x80	✓	-	-	400 V / 4200 W	1,5 cm	70x85x40 cm, 98 kg
HP-58A*	50x80	✓	-	✓	400 V / 4200 W	1,5 cm	70x85x40 cm, 98 kg
HP-410*	40x100	✓	-	-	400 V / 4200 W	1,5 cm	65x105x40 cm, 98 kg
HP-410A	40x100	✓	-	✓	400 V / 4200 W	1,5 cm	65x105x40 cm, 98 kg

TRADITIONAL MANUAL SWING PRESSES WITH CHANGEABLE PLATE AND BRACKET

Traditional manual swing presses with changeable plates, or cap heated-plate and workplate.



HP-45K



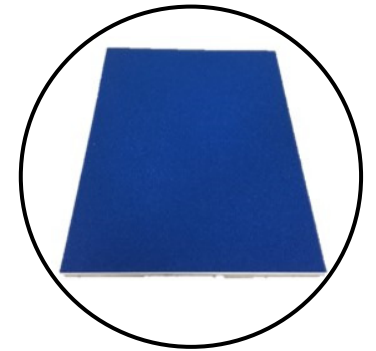
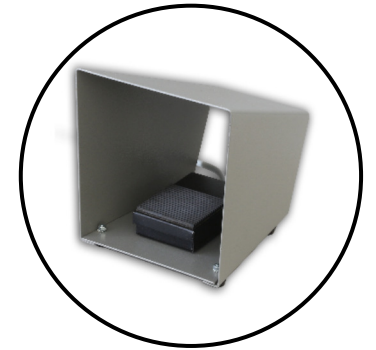
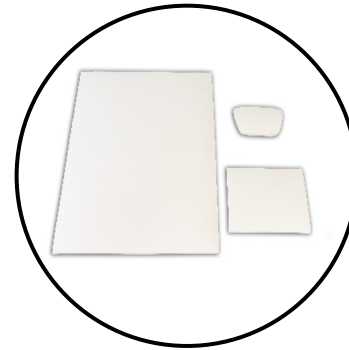
CAP ADAPTER



HP-45V2

Type	Workplate, heated plate	Traditional plate	Changeable plate	Auto-release	Power	Max. material thickness	Size, weight
HP-45-V-2	40x50	✓	✓	-	230 V / 2100 W	5 cm	100x80x70 cm, 80 kg
HP-45-K	40x50	✓	✓	-	230 V / 2100 W	5 cm	60x80x70 cm, 65 kg

ACCESSORIES



CHANGEABLE MEMBRANE PLATES

PHP-45V2 OPTIMA, PHP-45V2A OPTIMA, PHP-45V2 MAXIMA, PHP-45V2A MAXIMA, PHP-45K OPTIMA, SP-45NA

10X10 cm	20x20 cm	35x35 cm	10x45 cm	15x30 cm	25x30 cm	40x45 cm
12x12 cm	25x25 cm	40x40 cm	12x15 cm	20x25 cm	30x40 cm	40x50 cm
15x15 cm	30x30 cm	10x15 cm	15x20 cm	20x35 cm	35x40 cm	

SP-23NA

10X10 cm	15x15 cm	25x25 cm	10x45 cm	15x20 cm	20x25 cm	25x30 cm
12x12 cm	20x20 cm	10x15 cm	12x15 cm	15x30 cm	20x35 cm	

SSH-2A, SSH-12A, SSH-2NA, SSH-12NA

10X10 cm	12x12 cm	15x15 cm	10x15 cm	12x15 cm	15x20 cm	
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SSH-1NA, SSH12NA

large (13x9 cm) plate for caps

Mentioned dimensions are working dimensions, outer dimensions are larger!

CHANGEABLE TRADITIONAL PLATES

HP-45N, HP-45NA, HP-45K, HP-45V2, HP-56NA, PHP-45V2 OPTIMA, PHP-45V2A OPTIMA, PHP-45V2 MAXIMA, PHP-45V2A MAXIMA, PHP-45K OPTIMA, SP-45NA

10X10 cm	20x20 cm	35x35 cm	10x45 cm	15x30 cm	25x30 cm	40x45 cm
12x12 cm	25x25 cm	40x40 cm	12x15 cm	20x25 cm	30x40 cm	40x50 cm
15x15 cm	30x30 cm	10x15 cm	15x20 cm	20x35 cm	35x40 cm	

HP-23NA, SP-23NA

10X10 cm	15x15 cm	25x25 cm	10x45 cm	15x20 cm	20x25 cm	25x30 cm
12x12 cm	20x20 cm	10x15 cm	12x15 cm	15x30 cm	20x35 cm	

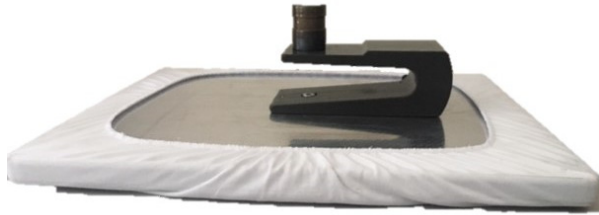
HP-44N, HP-44NA

10X10 cm	20x20 cm	35x35 cm	12x15 cm	15x30 cm	20x35 cm	30x40 cm
12x12 cm	25x25 cm	40x40 cm	15x20 cm	20x25 cm	25x30 cm	35x40 cm
15x15 cm	30x30 cm	10x15 cm				

SH-2, SH-2A, SH-12, SH-12A, SH-2NA, SH-12NA

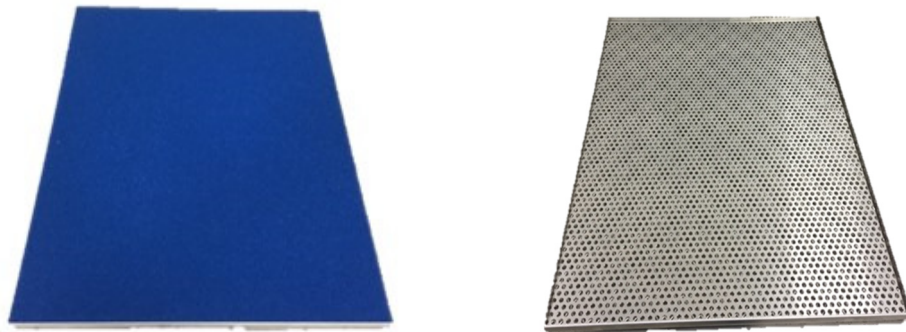
10X10 cm	12x12 cm	15x15 cm	10x15 cm	12x15 cm	15x20 cm	
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"C" TYPE PLATE HOLDER



Compatible with: PHP-45V2 OPTIMA (adjustable plate-height),
PHP-45V2 MAXIMA, PHP-45V2A MAXIMA

40x50 cm SURFACE TREATMENT PLATE



Compatible with all of our 40x50 cm heat-presses that have changeable plate.

TEFLON FOR HEATED PLATE



RACK FOR HEAT-PRESSES



Compatible with HP-23N/NA,
HP-44N/NA, HP-45N/NA, HP-56NA,
SP-23NA, SP-45NA.

LASER



Our new heat-presses have the possibility of fixing laser on them.

COVERS



COMPRESSORS



Type	AS196 mini compressor	L-B-50-25	MGF 30/15 Prime S	Metabo Basic250-24 W	METABO Mega 350-100 D
Power (50 Hz)	230 V / 150 W	230 V / 180 W	230 V / 1500 W	230 V / 1500 W	230 V / 2200 W
Output	35-40 l/min	44 l/min	240 l/ min	100 l/min	220 l/min
Maximal pressure	6 bar	8 bar	10 bar	8 bar	10 bar
Tank	3,5 l	25 l	30 l	24 l	90 l
Noise level	N/A	45 dB	72 dB	95 dB	93 dB
Size, weight	360x160x380 mm, 8,7 kg	380x380x542 mm, 45 kg	400x600x800 mm, 50 kg	400x800x700 mm, 30 kg	500x1000x800 mm, 60 kg
	For occassional use only!		Durable, can supply more heat-presses.		
Characteristics	not loud	silent	a bit loud	loud	loud