



## Sports Ball Heat Press

Model STXBP-120  
Operator's Manual

### Safety Precautions

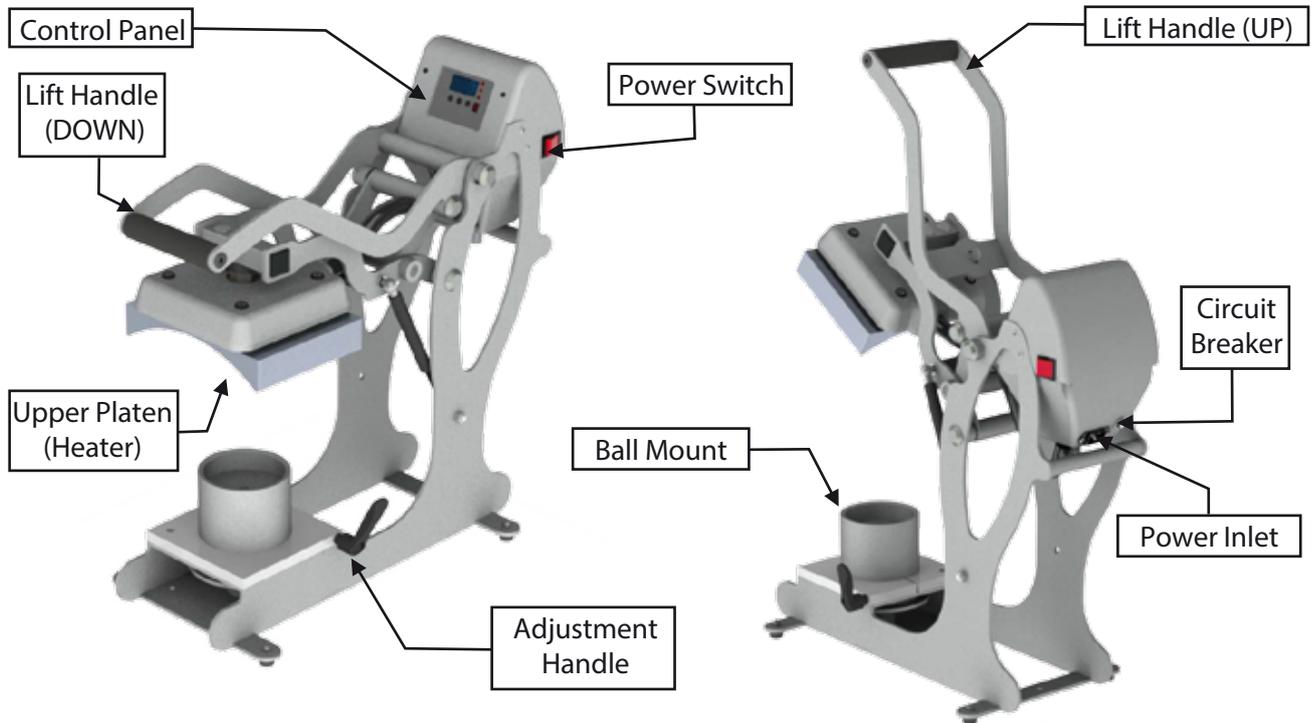
When using your heat press, basic precautions should always be followed, including the following:

1. Read all instructions.
2. Use heat press only for its intended use.
3. To reduce the risk of electric shock, do not immerse the heat press in water or other liquids.
4. Never pull cord to disconnect from outlet, instead grasp plug and pull to disconnect.
5. Do not allow cord to touch hot surfaces, allow heat press to cool completely before storing.
6. Do not operate heat press with a damaged cord or if the equipment has been dropped or damaged. To reduce the risk of electric shock, do not disassemble or attempt to repair the heat press. Take it to a qualified service person for examination and repair. Incorrect assembly or repair could increase the risk of fire, electric shock, or injury to persons when the equipment is used.
7. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
8. Close supervision is necessary for any heat press being used by or near children. Do not leave equipment unattended while connected.
9. Burns can occur when touching hot metal parts.
10. To reduce the likelihood of circuit overload, do not operate other high voltage equipment on the same circuit.
11. If an extension cord is necessary, then a 10 amperage rated cord should be used. Cords rated for less amperage may overheat. Care should be taken to arrange the cord so that it cannot be pulled or tripped over.

# Sports Ball Heat Press Part Identification & Setup

**STAHL'S**  
EUROPE • AFRICA • MID EAST

## Part Identification



## Initial Setup

General Guidelines:

- To avoid burns, do not touch the heated platen during use.
- Keep hands clear of the upper platen of the press during platen lock down as the pressure may cause injury.
- Press should be placed on a sturdy, suitable stand at least 36"L x 24"W x 29"H.
- Work area must be kept clean, tidy and free of obstructions.

This guide is created with the user in mind. Carefully follow the step - by step instructions for best results:

1. Connect the power cord into a properly grounded 120 volt electrical outlet with a minimum 10 amp rating.
  - If used, a minimum 14-gauge extension cord is required. Short, heavy-duty cords are recommended.
  - Circuits powering other high demand equipment should not be used.
  - Power supply cord must be disconnected before cleaning or servicing press.
2. Raise the lift handle to the UP position.
  - When not in use, lift handle should remain in the UP position to extend the life of the gas springs.
3. Turn the Power Switch to the ON position.

**CAUTION:** Failure to follow these instructions will cause:

1. Erratic controller functions
2. Inaccurate displays and slow heat - up.
3. The circuit breaker to disengage.

### Adjusting Temperature, Time and Pressure

Press the MODE button to cycle through setup modes (with the press ON and the Lift Handle in the UP position):

- Displays current temperature (°F)  
Ready to Print



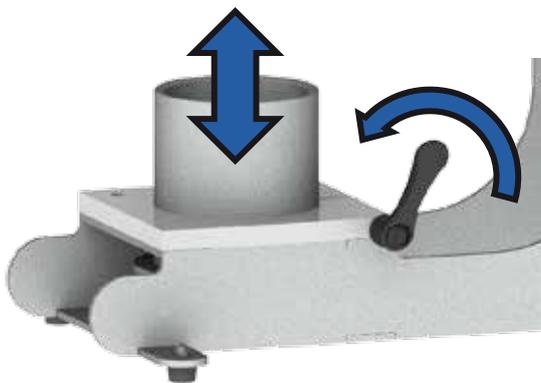
- Displays print temperature
- Increase using (+) button
- Decrease using (-) button



- Displays print time (sec)
- Increase using (+) button
- Decrease using (-) button



Various transfer products will recommend using either "light," "medium" or "heavy" pressure. Some trial and error may be required to determine the best pressure setting, but once selected your Sports Ball Heat Press will reliably reproduce the same pressure, print after print.



- Place ball on Ball Mount
  - Rotate adjustment handle counter-clockwise to unlock spring-loaded Ball Mount
  - Move Ball Mount up or down to achieve desired print pressure
  - Rotate adjustment handle clockwise to lock Ball Mount in place
- For best results, compress the ball only as wide as the print area

### Recommended Transfers and Substrates

Selecting suitable materials is very important for a durable and attractive final result. Products known to work reliably with the Sports Ball Heat Press include but are not limited to:

#### Transfer Products:

- CAD-CUT® SportsFilm
- CAD-COLOR® SportsFilm

# Sports Ball Heat Press Printing with your Press

## Printing with your Ball Press

1. Fully inflate Ball and position on Ball Mount. Turn on press and enter recommended settings:

**8 sec @ ca .113°C**

**WARNING:** Printing above 120°C will scorch most balls.



2. Lower the handle until the heater touches the ball, then unlock the Ball Mount by rotating the Adjustment Handle counter-clockwise.



3. Using the handle to raise or lower the Ball Mount will adjust print pressure. Most balls will print well with about 5cm of space between the Electromagnet and the steel plate on the handle.



4. Align the transfer material on the ball to printed.

**WARNING:** Transfer material will not adhere to stitched seams or recessed features.



5. Lower and lock the handle to print. The timer will count down and automatically raise the heater when the press cycle is complete. When the handle lifts, the timer will re-set and you are ready for the next application.

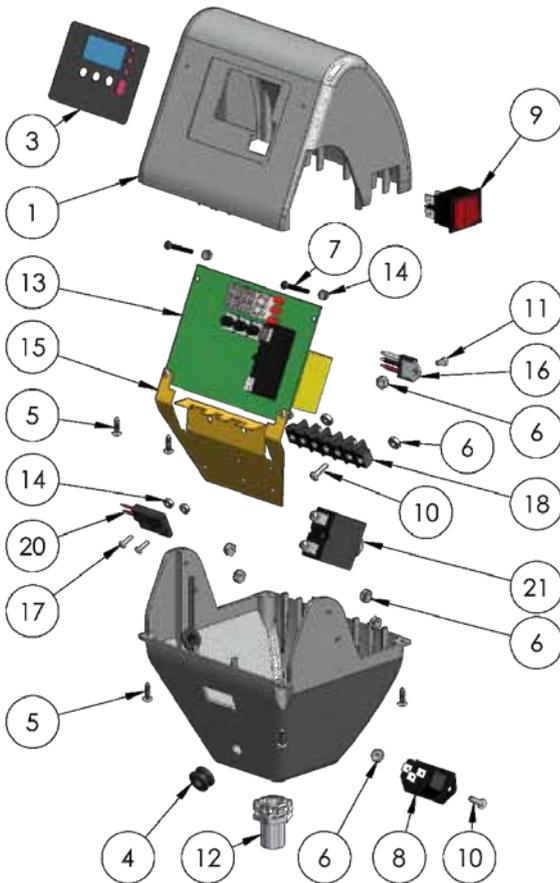


6. Pebbled products (e.g. basketballs and footballs) require a secondary press using Flex Application Pad.



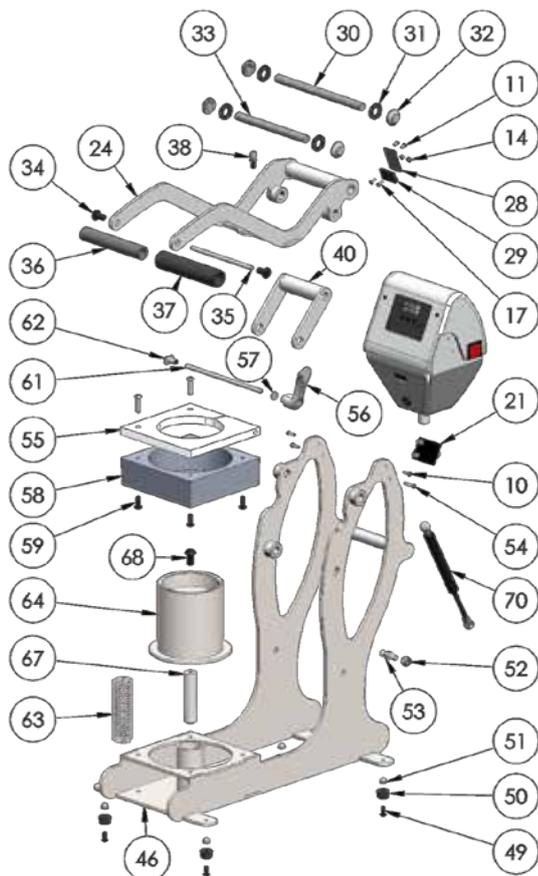
### STX Housing

#	PART#	DESCRIPTION	QTY.
1	4-1172-S	Control Housing, STX	1
3	1-2018-1	Controller Overlay, STX	1
4	1-2105	Grommet, 9/32" ID 3/8" OD	2
5	3-1011-235	Screw, Sheet Metal #6 x 1/2"	6
6	2-1006-50	Nut, #6-32 Hex with Lockwasher	9
7	3-1011-130	Screw, Pan Phillips #4-40 x 1"	2
8	1-1759	Power Inlet	1
9	1-2087	Power Switch	1
10	3-1011-19	Screw, Machine #6-32 x 1/2"	7
11	3-1011-25	Screw, Machine #6-32 x 1/4"	5
12	1-1353	Conduit Fitting, 1/2" Topaz Straight Twist-On	1
13	Kit 3-6945	Controller Kit, STX	1
14	2-1006-51	Nut, #4-40 with Tooth Washer	8
15	2-1661	Controller Bracket, STX MAXX	1
16	1-1059	TRIAC	1
17	3-1011-22	Screw, Machine #4-40 x 3/8"	6
18	1-1290	Terminal Block, 5 Contact High Voltage	1
20	1-1211	Proximity Switch	1



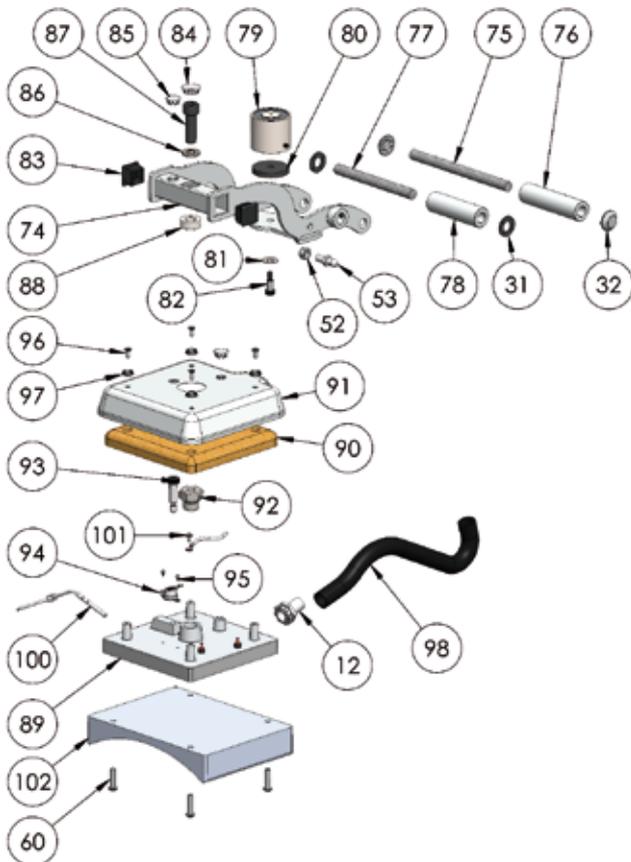
### STX Ball Press Base

#	PART#	DESCRIPTION	QTY.
21	1-2317	Circuit Breaker 5A (CAP 6x6)	1
24	Kit 3-6910-2	Handle Assembly, STX Lowrider	1
26	1-2439	Shaft Collar, STX6LR Small	2
28	1-2085-3	Magnet Bracket, STX6 & Cap	1
29	1-1219	Proximity Magnet	1
30	2-1055-16	Steel Pin, 1/2" x 7-1/4"	1
31	1-1048-3	Washer, 1/2" Nylon	6
32	1-1107-1	Hub Cap 1/2"	6
33	2-1055-9	Steel Pin, 1/2" x 5-7/8"	1
34	2-1006-2	JCN - NUT	2
35	1-1042-1	All Thread Pin	1
36	1-1049-11	PVC Spacer, 1/2" x 5"	1
37	1-1540	Foam Grip, Black	1
38	3-1011-232	Shipping Bolt (Thumb Screw), 1/4"-20 x 1/2"	1
40	Kit 3-6909-1	Pressure Link Weldment, Lowrider	1
46	-	Base, STX Ball Press	1
49	3-1011-164	Screw, Button Socket Head #10-32 x 1/2"	4
50	1-1256	Rubber Foot	4
51	3-1011-182	Acorn Nut 10-32	4
52	2-1006-20	Nut, Hex Nylok 5/16"-18	2
53	1-1939	Ball Stud 10mm	2
54	3-1011-252	Screw, Pan Phillips #6-32 x 3/4"	1
55	-	Ball Press Tube Clamp	1
56	-	Handle with 1/4"-20 Threaded Hole	1
57	-	Washer, 1/4" ASME Narrow	1
58	-	Ball Press Tube Spacer	1
59	3-1011-241	Screw, Button Socket Head 1/4"-20 X 5/8"	4
60	-	Screw, Button Head Socket Cap 1/4"-20 x 1in	6
61	-	Threaded Rod .250-20 x 6.50	1
62	-	Weld Nut, 1/4"-20, Narrow Base	1
63	-	Spring, Compression 1.2in OD 11in LG	1
64	-	Ball Press Tube Weldment	1
67	-	Ball Press Spring Post	1
68	3-1011-244	Screw, Socket Button Head , 3/8-16 X 3/4"	1
70	1-2243	Gas Spring 16x20 & 16x16	1



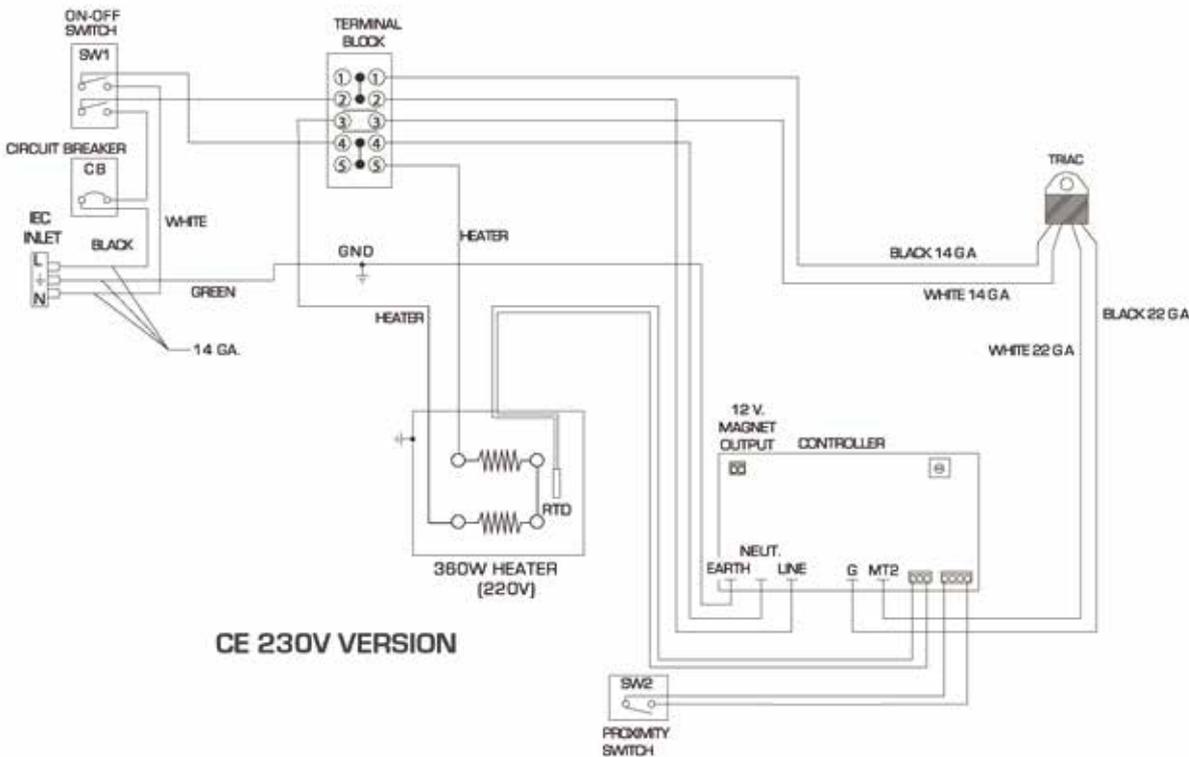
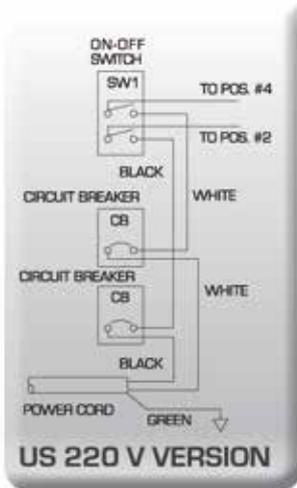
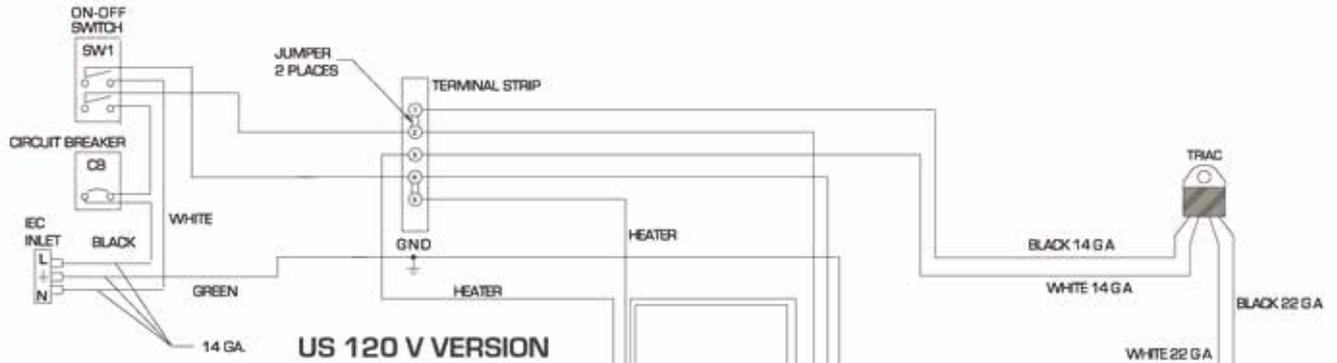
### STX Ball Press Heater

#	PART#	DESCRIPTION	QTY.
74	-	Heater Arm, Ball Press	1
75	2-1055-26	Steel Pin, 1/2" x 6.45"	1
76	1-2441	Shaft Collar, STX6LR Long	1
77	2-1055-28	Steel Pin, 1/2" x 5.10"	1
78	1-2432	Shaft Collar, STX6LR	1
79	1-1945-1	Electromagnet	1
80	1-2104	Silicone Pad, 5/16" ID x 1-3/4" OD x 1/4" T	1
81	2-1006-46	Washer, 5/16" SS	1
82	3-1011-233	Screw, Shoulder 5/16" x 1/2" w/ 1/4"-20 Thread	1
83	1-1999	Plug, 1" Square Plastic for 14-20ga Tube	2
84	1-2126	Plug, 3/4" Round Steel	1
85	1-2127	Plug, 9/16" Round Steel	2
86	2-1006-80	Washer, Split 1/2"	1
87	3-1011-72	Screw, Socket Head Cap 1/2"-13 x 1.5"	1
88	-	Spacer, Steel 1in OD 17/32in ID 3/8in LG	1
89	3-1334	Heat Platen 6 x 6, 120V	1
90	1-2327	Insulation, 6 x 6	1
91	2-1662	Heat Platen Cover, 6 x 6	1
92	1-2147-B	Adapter Bushing STX 6 x 6	1
93	3-1011-121	Screw, Shoulder 3/8" x 1" w/ 5/16"-18 Threads	1
94	1-2076	Thermostat Disc	1
95	3-1011-98	Screw, SS Sheet Metal #4 X 1/4"	2
96	3-1011-217	Screw, Flat Head Phillips #10-24 x 7/16"	4
97	1-1063	Washer, Plastic Finishing	4
98	1-1048-2	Conduit, STX 6x6, 12"	1
100	1-1272-1	Temperature Probe	1
101	3-1011-87	Screw, SS Phillips #8-32 X 1/4"	1
102	-	Ball Press Football Heater Nest	1



# Sports Ball Heat Press

## Electrical Schematic



## EC conformance explanation:

For the purposes of the EC-Machine Guideline 98/37EU, Appendix 2A and the EC Low Voltage directive to 73/23 European Economic Community as well as the EC EMV-guideline 89/336. For the manufacturer STAHL'S Hotronix Division, we state as European Commissioners, that our product:

A Transfer Press for ironing of thermo application.

Model: Sports Ball Heat Press

The product supplied corresponds to the following appropriate regulations:

EMC Directive (2014/30/EU), Machinery Directive (2006/42/EC), RoHS Directive (2011/65/EU) & Low voltage Directive (2006/95/EC)

Applied Harmonized norms

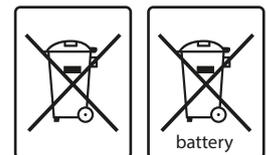
EN 55011:2007	EN 61000-4-4:2004	EN 61000-3-2:2006
EN 61000-6-1:2007	EN 61000-4-5:2006	EN 61000-3-3:1995
EN 61000-4-2:1995	EN 61000-4-6:1996	EEC 60335-2-44
EN 61000-4-3:2006	EN 61000-4-11:2004	
EN 61000-4-8:1993	IEC 61000-3-3:1994	



It is possible that not all the listed norms apply to the above mentioned product.

STAHL'S Europe GmbH

(Frank Brücker, Chief Executive STAHL'S Europe GmbH)



## WEE and RoHS Symbols

STAHL'S Europe GmbH will take back ALL heat press machines FREE OF CHARGE (inside the EU) that have been manufactured by them, even those sold prior to the date stated above, subject to the heat press machine being delivered to them at the owners costs.

STAHL'S Europe GmbH will break down the heat press machine and ensure that all recyclable parts are correctly recycled, and non-recyclable parts will be disposed of in accordance with legal requirements. In an effort to make such transaction as smooth to customers as is possible, and to ensure that all STAHL'S heat presses are identifiable, all heat press machines supplied by STAHL'S Europe GmbH will have the logo/brand of STAHL'S Hotronix clearly marked upon them.

Contact:

STAHL'S Europe GmbH, Dieselstraße 62, 66763 Dillingen, Germany

Telefon: +49 (0) 68 31/97 33-0, Fax: +49 (0) 68 31/97 33 45, [www.stahls.de](http://www.stahls.de), [info@stahls.de](mailto:info@stahls.de)

### **Warranty Policy**

STAHL'S Europe GmbH provides the following warranty for the Maxx™ Clam, subject to the following terms:

#### **Duration**

The warranty period of 2 years commences from the date of receipt by the buyer of the heat press machine, which can be verified by the invoice or similar documents. The warranty does not cover any damage caused by normal wear and tear.

#### **Repair**

If any parts are found to be defective, despite proper use, authorised use and not as a result of fair wear and tear, within the warranty period, then they will be replaced or repaired without question provided that STAHL'S Europe GmbH have been informed of any such claim in writing within one week of the occurrence of the failure. The terms and conditions of the commercial transaction are specifically excluded from this warranty, especially §§377 et.seq. HGB. Following any claim under the warranty, the warranty period will not be extended for either the heat press machine or for any replaced parts. Any exchanged parts will be the property of STAHL'S Europe GmbH. No charge will be made for any labour or components for any claim under the warranty. STAHL'S Europe GmbH operates a "bring in" guarantee for the first six months from the date of the purchase, under which all delivery and return costs will be borne by STAHL'S Europe GmbH. After the first six months from the date of purchase, all delivery and return costs will be borne by the customer.

#### **Rectification**

Initially the customer's rights are limited to repair by STAHL'S Europe GmbH. Should the repair or remedial works finally fail, it will become the customer's right according to §462 BGB to receive a payment reduction, or to withdraw from the contract. In every case, any further claim would be excluded, especially indemnity claims (including consequential damages) and those resulting from defects, unless it can be proven that STAHL'S Europe GmbH acted intentionally, grossly negligently, or there are requirements according to §463 BGB.

#### **Returns**

Goods may only be returned with express written authorisation from STAHL'S Europe GmbH. Customers must ensure that the heat transfer machine is properly fixed to the supplied wooden panel, and returned in the original carton, which must include the contact details of the sender, together with details of any failure which requires remedying. STAHL'S Europe GmbH will not be liable for any damages howsoever caused during transportation as a result of improper packaging.

Acceptance of Returned machines manufactured by STAHL'S for disposal

STAHL'S Europe GmbH agrees to accept the return of all heat press machines manufactured by STAHL'S or with their genuine trademark for Free of Charge disposal, subject to the costs of delivery to STAHL'S Europe GmbH being borne by the sender. WEEE DE 54539730.

#### **Packaging**

The original carton (box), packaging and wooden transport panel must be retained for any future transportation of the heat press machine.

#### **Circuit Breaker**

If the circuit breaker should become dislodged, it can easily be reinstated after the heat press machine has cooled down. It is recommended to try and eliminate the source of any failure by using the error checklist.

#### **Set Up**

It is important that the heat press machine is fixed securely to your worktop. To set up the press, it is necessary to fully open the press, and place the substrate that is to be printed flat on the lower platen. If the press is not fully open, there is a risk of being burnt. Always follow the supplied instructions for printing for every respective material.