

STRESSTECH ACCESSORIES

STRESSTECH ON-SITE HEAT TREATING SOLUTIONS

Quality Products from Stresstech

Stresstech Heat Treating Accessories are manufactured with the same quality and care as our world-class Heat Treating Consoles. Stresstech is the original equipment manufacturer and supplier of pre and post weld heat treating equipment, with a proven record of supplying the best heat treating equipment to national and international markets.

LCS 300 Controller

Stresstech's single zone temperature controller that can be operated automatically (auto-ramping up and down), semi-automatically (manual-ramping, hold at temperature), or manually (percentage output, no temperature controller required). It includes a 300 amp contactor controlled by a 0 to 2000 degree F temperature controller, and a percentage timer to control the rate of heating and cooling. Camlock connectors for power inlet and outlet, and type "K" thermocouple jack strips are located at the rear of the unit. The LCS 300 connects to standard 110VAC power.

LCS 300 Controller	Part No. 1200-3330
Dimensions	8 x 13 x 10 inches
Weight	16 lbs.



LCS 300 Single Zone Temperature Controller

TZ 600 Controller

Stresstech's twin zone controller can be operated automatically (auto ramping up and down), semi-automatically (manual ramping, hold at temperature), or manually (percentage output, no temperature controller required). Each of the ramping controllers operates independently of the other, enabling the operator to begin heating cycles at two different times.



TZ 600 Twin Zone Temperature Controller

Each zone has a 300 amp contactor controlled by a 0 to 2000 degree F temperature controller, and a percentage timer to control the rate of heating and cooling. The 0 to 500 amp meter has a selection and polarity switch for use on either zone. Camlock connector for power inlet and outlet, and type "K" thermocouple jack strips are located at the rear of the unit. The TZ 600 connects to standard 110VAC power.

TZ 600 Controller	Part No. 1200-3320
Dimensions	15 x 16 x 9 inches
Weight	29 lbs.

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A Division of Mactech, Inc. • 4079 Pepin Ave. • Red Wing, MN 55066
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Temperature Recorders

Stresstech's temperature recorders are calibrated from 0 to 2000 degrees F, and are accurate to 15% of the reading. They can also be set to any other desired range. The LED provides easy viewing of each point's temperature, and the chart speed can be adjusted set to any desired rate. Each thermocouple is individualized by a six-color ink ribbon, which facilitates easier reading. Our recorders can be programmed with alarm settings to record the time and date it reaches, or drops below, the desired temperature setting. All recorders are mounted in an aluminum housing with rubber feet and a carrying handle. Thermocouple jack strips are located on the rear panel, providing easy connection of type "K" thermocouple leads. All temperature recorder models are portable, lightweight and easy to ship.

Stresstech stocks chart paper, colored ribbons, ink pads and print wheels for all major brand recorders. We also clean, adjust, repair and calibrate all temperature recorders, supplying a Certificate of Calibration traceable to the National Institute of Standards and Technology.



100mm Temperature Recorder



180mm Temperature Recorder

Available Models

Model	Part No.
6 Point 100mm Recorder	1200-9110
6 Point 180mm Recorder	1200-9120
12 Point 180mm Recorder	1200-9121
18 Point 180mm Recorder	1200-9122
24 Point 180mm Recorder	1200-9123

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Zap Gun

Zap Gun

Stresstech's Zap Gun is a cordless, battery powered portable capacitance-discharge welder for attaching thermocouples directly to the workpiece for accurate heat measurement. The Zap Gun attaches thermocouples quickly and easily to the workpiece for efficient set up of the heat treating process. The unit includes a stainless steel carrying case with tool compartment and shoulder strap. The NiCad battery can be charged from a 110VAC or 220VAC power source.

Zap Gun

Part No. 1200-3390

Pin Welder

Stresstech's Pin Welder is a solid state capacitance-discharge pin welding system, designed specifically to aid in the attachment of Stressflex Ceramic Heating Elements. On any weldment where it is permissible to strike an arc, heating elements can be easily fixed using 12 gauge pins inserted into the holes provided on all Stressflex heating elements. Insulation can then be placed on the point of the pin and a washer applied to hold both the heating element and the insulation. This unit operates from a standard 110VAC supply.



Pin Welder

Pin Welder

Part No. 1200-3368

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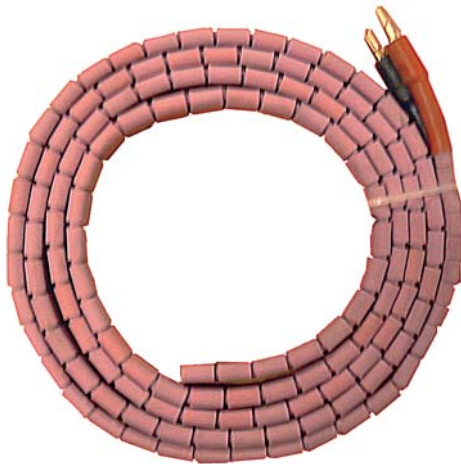
Stressflex Pads

Stressflex Pads are ceramic resistance heating elements rated at 50 amps at 80 volts, providing 4 kW output. The pads are available in a wide range of stock sizes, or can be custom built for specialty applications. The pads can be used in any combination, while maintaining the same watts of heating power per square inch.

Stranded 80/20 nichrome wire and socketed twin hole insulators provide mechanical strength and flexibility to conform to varied and complex contours. Stressstech's tail design combines all of the durability of "hot tail" construction

(no weld joint or mechanical crimp to create a weak spot), with the "cold tail" benefit of keeping the electrical connector cooler, which prevents breakdown of the insulating sleeve on the camlock connector.

Stressflex heating elements can be refurbished by replacing all broken ceramic insulators, and rewiring with new 80/20 nichrome wire. The charge for refurbishment is 60% of the cost of a new element. Stressstech can repair all elements, regardless of the original manufacturer.



1" x 120" inch Snake



10" x 10" Heating Element

Stressflex Heating Elements Stock Sizes	
Heating Element	Part No.
14" x 7" Heating Element	1200-4650
7" x 14" Heating Element	1200-4651
1" x 120" Snake	1200-4652
6" x 18" Heating Element	1200-4656
20" x 5" Heating Element	1200-4658
10" x 10" Heating Element	1200-4665
17" x 6" Heating Element	1200-4666
28" x 3-1/4" Long Strip	1200-4681
5" x 20" Heating Element	1200-4686
52" x 1-3/4" Heating Element	1200-4690



17" x 6" Element Pad

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