

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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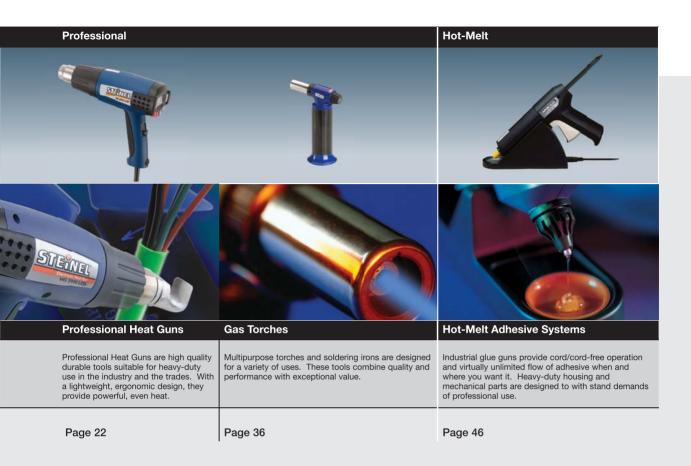


Precision Hot Air Tools
Professional Heat Blowers
Industrial Heat Guns
Professional Heat Guns
Gas Torches
Hot-Melt Adhesive Systems

# **Product Overview**



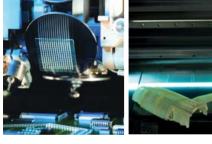
# SOLUTIONS



# **Genuine STEINEL**









## **Professional Heat Tools**

State-of-the art technology for precision, control and long life STEINEL is a global organization dedicated to the development of cutting-edge technology for the delivery of controlled heat. Discriminating professionals worldwide have come to expect the superior performance, reliability and value only an industry leader can provide. Over half a century of the highest standards in design, manufacturing and service have made the STEINEL name synonymous with quality and innovation in over 80 countries.

From concept to installation Being a heat tool technology leader is STEINEL's driving force. In addition to design and functionality, 100% testing ensures the quality of STEINEL products. Not only is each finished product tested, every component is examined well before final assembly. Beyond the factory, STEINEL is committed to superior customer service and technical support to create a true partnership with the professionals who specify and install our products.

#### German quality guarantee

All STEINEL tools are made in Europe for unmatched precision and performance.

- Research laboratories in Switzerland and Germany with our own team of over 70 physicists, engineers, and electronics experts
- Precision manufacturing facilities at five European locations, all solely owned and operated by STEINEL, all ISO 9001:2000 certified
- In-house production of our own electronics, resins and injection moldings
- Local delivery and support in over 86 countries worldwide



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When Quality Counts, Choose STEINEL

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# **Precision Hot Air Tool**



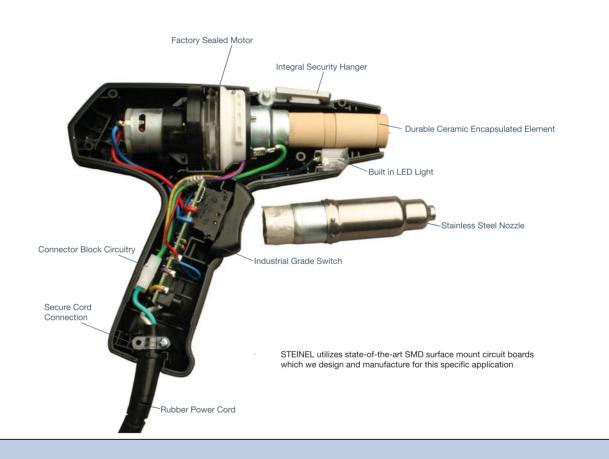


## The HG 350 ESD the Ultimate Precision Hot Air Tool

This sleek, ergonomically optimized tool incorporates cutting edge STEINEL technology to meet the exacting needs of even the most sensitive applications. Innovative features include a bright LED light to illuminate the work area while highly focused hot air ensures an accurate result.

STEINEL...for world-class performance, guaranteed.

- Ideal for de-soldering electronic components
- Variety of reflectors available for specific shrink tube and solder sleeve applications
- Perfect where ESD safe is required



# **HG 350 ESD & BHG 360 Li-ION**

#### **Precision Hot Air Tools**





- Targeted 3.5 CFM airflow
- 750°F Temperature (930°F with included 1/4" / 7 mm Reducer)
- LED light illuminates work area
- Sleek, balanced design for comfortable long-term use
- Compact, lightweight construction
- Built-in security hanger for overhead suspension
- HG 350 ESD is ESD safe
- LED serves as a convenient "on" indicator
- Safety rests help prevent surface contact with hot nozzle
- "Thermo-Signal" temperature indicator

#### **HG 350 ESD Precision Hot Air Tool**

The HG 350 ESD brings hot air to where it's needed at any work place. The new hot air tool is easy to use, lightweight and extremely comfortable to hold thanks to its ergonomically shaped soft grip. It is the ideal tool for soldering, de-soldering and heat-shrinking. Compact in design, it fits into any tool box or service case.

An integrated bright LED light illuminates even the darkest of work situations and acts as an "on" indicator. In stationary applications and noisy surroundings, this instantly lets you know what is happening. The molded rests integrated in the housing also add to safety by keeping the hot tool at a distance from the surface.

#### **BHG 360 Li-Ion Battery Pack Precision Hot Air Tool**

STEINEL gives you mobility. With its powerful Li-lon rechargeable battery, the cordless version of the practical HG 350 ESD provides ultimate freedom of movement for hot-air applications - even at places without power. The formidable 36-volt Li-lon has a capacitance of 2600 mAh and delivers the energy for 15 minutes of unrestricted hot-air work.



Optimized Weight Balance for Fatigue-Free Operation



Molded Safety Rests



Soft Grip Handle



Integrated LED Light Provides Bright Illumination of the Work Area



Toggle Switch: 0 Off / 1 Cool / 2 Heat



Integral Security Hanger



Actual BHG 360 Kit may vary





#### **HG 350 ESD / BHG 360 Li-lon**

	rI	Precision Hot Air Tools
	HG 350 ESD / BHG 360 Li-lon	Hot
Item No.	HG 350 ESD 34735 BHG 360 Li-lon 34740	ecisior
Includes Nozzle	07730	_ 5
Temperature	750°F (400°C) without reducer 930°F (500°C) with reducer	ers
Airflow	3.5 cfm	o w
Output	300 watts	] <del>=</del>
Voltage	120 VAC / 50/60 Hz	] <u>ਝੌ</u>
Amps	HG 350 ESD 2.5 BHG 360 Li-lon 7.6	Professional Heat Blowers
Run Time	BHG 360 Li-lon 15 min	] ij
Charger	BHG 360 Li-lon LS-120 V	
Charging Time	BHG 360 Li-lon 2.6 Ah 30 min (75%) 60 min (100%)	
Power Cord	HG 350 ESD Industrial grade rubber, length: 6 ft	
Nozzle Diameter	0.75" (19 mm)	၂ မ
Dimensions	HG 350 ESD 9.00" x 11.50" x 3.00" (I x w x h) BHG 360 Li-lon 9.50" x 2.50" x 10.50"	Industrial Heat Guns
Net Weight	HG 350 ESD 1.50 lbs (24.00 oz) BHG 360 Li-lon 3.95 lbs (63.20 oz)	trial He
Single Sell Pack	Dimension: HG 350 ESD 11.00" x 10.00" x 4.00" Weight: HG 350 ESD 2.05 lbs	Indust
Warranty	One year limited	

Variety of reflectors available for specific shrink tube and solder sleeve applications



7 mm Reducer 1.03" x 0.80" x 0.80" No. 07730



5 mm Reducer w/ Guard 1.50" x 0.80" x 0.80" No. 07735



40 mm Large Reflector 1.50" x 1.40" x 0.50" No. 07765



10 mm Small Reflector 1.10" x 0.75" x 0.75" No. 07755



10 mm Precision Reflector 1.40" x 0.80" x 0.80" 07745

#### **Applications**

Made in E.U.





ISO 9001:2001









De-Soldering

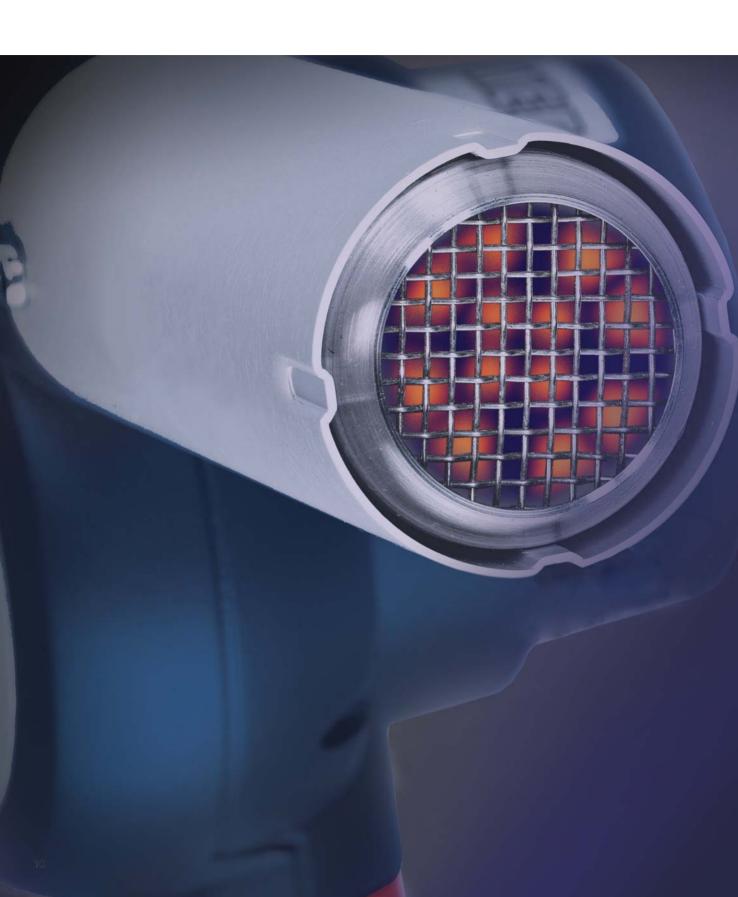
Shrink Tubing

Solder Sleeve

Hands Free Shrink Tubing

Professional Heat Guns

# **Professional Heat Blowers**





## The HB 1750 Professional Heat Blower Series

The HB 1750 is the most ergonomically advanced high output blower in its class.

21st Century Technology enables STEINEL to achieve maximum airflow from a lightweight, ultra quiet tool. Superior design, materials and workmanship ensure the quality and reliability the STEINEL name quarantees.

- Shrink wrap, packaging
- Dry paint, wall emulsion, filler etc.
- Window tinting, vehicle graphics and wraps
- Stripping paint
- Assembly and removal of bearings
- Heavy duty heat connectors and boots
- Cable assembly



## **HB 1750**

#### **Professional Heat Blowers**





- Powerful turbine blower with air delivery rate up to 23 cfm
- Color coded keys for the right temperature every time
- Maintenance free factory sealed motor
- Lightweight, well balanced design
- Soft grip handle with convenient slide switch (Off / Cool / Hot )
- Ultra quiet operation
- Plug-in heating element takes only seconds to change
- Quick-lock stand is fully adjustable and stores keys
- Available accessories enhance versatility

#### **HB 1750 Professional Heat Blower**

The HB 1750 has been specifically optimized for drying efficiency and for heat-shrinking tubes and sleeves on thick cables.

This extremely powerful heat tool delivers almost 30% more air than conventional tools. Continuously adjustable airflow ensures the user stays in control.

The ergonomically shaped soft grip handle permits fatigue-free working. The included stand offers stationary operation at any angle.



#### HB 1750 Kit

- Quick Lock Stand
- 5 Temperature Keys
- Large Reflector
  Spare Element
- Spare Element Silver Case

No. 34759









Adjustable Stand

Baffle Adjusts Air and Temperature within Range

Cool Air Stage

Quick and Easy Field Changeable Element

Plug-In Heating Element



# **HB 1750**

Item No.	HB 1750 34750 (includes all 5 keys) HB 1750 B 34751 (blower w/ blue key) HB 1750 G 34752 (blower w/ gray key) HB 1750 Y 34753 (blower w/ yellow key) HB 1750 O 34754 (blower w/ orange key) HB 1750 R 34755 (blower w/ red key)
Accessories	HB 1750 heating element No. 06110
Temperature	200°F - 1200°F (95°C - 650°C) all 5 keys
Airflow	Up to 23 cfm, adjustable with baffle
Output	1750 watts
Voltage	120 VAC / 50/60 Hz
Amps	14.6
Power Cord	Industrial grade, rubber, length: 6 ft
Nozzle Diameter	1.70" (43.50 mm)
Dimensions	10.80" x 5.80" x 9.50" (l x w x h)
Net Weight	2.90 lbs (46.40 oz)

Dimensions: 12.80" x 9.90" x 5.10" Weight: 3.60 lbs (57.60 oz)

One year limited

## Color coded keys each lock in a specific temperature range

°F/°C
200-1200°F (95-650°C)
200-300°F (95-150°C)
300-500°F (150-260°C)
500-750°F (260-400°C)
750-1000°F (400-540°C)
1000-1200°F (540-650°C)



7 mm Reducer 2.50" x 1.80" x 1.80" No. 07695



**200 mm Spreader** 7.90" x 6.00" x 1.80" No. 07725



**50 mm Large Reflector** 5.90" x 2.60" x 1.80" No. 07705

Single Sell Pack

Warranty



**20 mm Small Reflector** 4.10" x 1.80" x 1.80" No. 07715

### **Applications**

Made in E.U.





ISO 9001:2001











Bend Plastic

Shrink Wrap

Dry Wall Emulsion

Dry Plaster

Composite Work

# **Industrial Heat Guns**



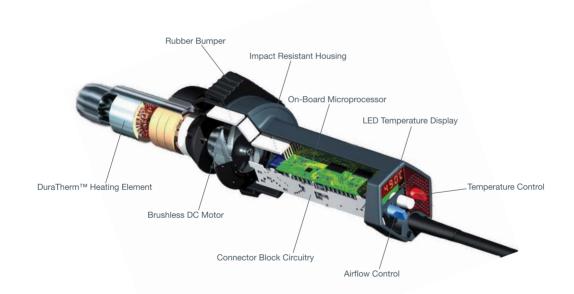


#### **Industrial Heat Guns**

STEINEL Industrial Heat Guns are designed for production, roofing, packaging and other rigorous applications where performance and durability are key. All STEINEL Industrial Heat Guns incorporate the exclusive DuraTherm™ heating element with complete ceramic encapsulation to extend coil life and provide the most precise, even heat possible.

STEINEL...for world-class performance, guaranteed.

- Roofing and flooring
- Applying shrink tubing and connectors
- Loosening seized fasteners
- Plastic welding and repair
- Bending, shaping and forming plastics
- Shrink-wrapping packages
- Vinyl and leather repair
- Activating or loosening adhesives
- Lap welding
- Welding plastic tarpaulins
- Curing resins
- Conveyor belt repair
- Industrial manufacturing repair



# **HG 5000 E**

#### **Industrial Heat Guns**





- Powerful 230 V heat gun with 28 cfm output
- Fully electronic temperature and airflow control
- Intelligent motor and temperature control
- LED temperature display showing selected and actual temperature
- High-performance, long life brushless motor
- Easy-to-change element
- Smartchip technogy allows the gun to stay calibrated with the new element

## HG 5000 E Intellitemp™ Heat Gun with LED Temperature Display (230V)

STEINEL HG 5000 E provides the ultimate in precision technology. Exclusive IntelliTemp™ control enables the user to select a target temperature in 10°F increments and to view actual output on the LED display. Heating elements are easily changeable in the field and integrate SmartChip™ technology allowing the heat gun to automatically recalibrate to the new element.



Heavy Duty Metal Case 17.90" x 5.40" x 10.20" No. 40090



Flathead Angle Nozzle 5.40" x 3.10" x 2.00" No. 09281



Flathead Nozzle 4.20" x 2.50" x 2.00" No. 09271



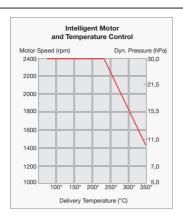
Brushless DC Motor



3 Stage Air Control

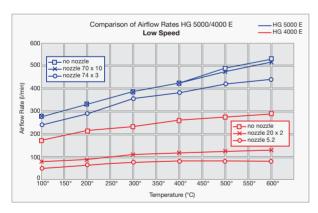


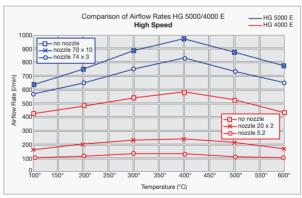
SmartChip™ Plug-In DuraTherm™ Heating Element



The intelligent motor and temperature control system automatically matches speed to the temperature selected.

		Precision Hot Air Tools
	HG 5000 E	光
Item No.	35025	isio
With Case	35035	ě
Temperature	80°F - 1100°F (27°C - 599°C)	
Variable Airflow	Up to 28 cfm, 3000 Pa air pressure	υ
LED Display	Indicates actual and target temp. in 10°F increments	)we
Output	3400 watts	ğ
Voltage	230 VAC / 50 Hz	Hea
Amps	14.8	Professional Heat Blowers
Power Cord	Rubber construction, (European plug), double insulated	ssio
Nozzle Diameter	1.97" (50.00 mm)	rofe
Dimensions	14.50" x 4.30" x 4.30" (l x w x h)	-
Net Weight	3.22 lbs (51.52 oz)	
Single Sell Pack	Dimensions: 18.00" x 5.00" x 5.00" Weight: 3.70 lbs (59.20 oz)	ω ω
Warranty	One year limited	gru
		Industrial Heat Guns





The control curves for airflow and temperature differ according to gun and nozzle attachments.

#### **Applications**

Made in E.U.



ISO 9001:2001











Roof Welding

Automotive Repair

MRO

Tarpaper Weld

Lap Welding

Professional Heat Guns

Gas Torches

Adhesive Systems

# **HG 4000 E**

#### **Industrial Heat Guns**





- Powerful 120 V heat gun with 21 cfm output
- Airflow and temperature continuously variable
- Easy-to-ready LED display
- Durable heavy duty housing
- Power cord can be changed without opening enclosure
- Straight form for optimum stationary use
- Field changeable element
- Factory sealed brushless motor
- Smartchip technology allows the gun to stay calibrated with new element

#### HG 4000 E IntelliTemp™ Heat Gun with LED Temperature Display (120V)

STEINEL HG 4000 E features a continuously variable temperature and airflow regulator, a digital display of actual and selected temperature, an intelligent motor control system, a brushless motor and a plug-in easy to change element. With pinpoint accuracy the HG 4000 E in conjunction with the appropriate nozzle is ideal for welding copper and plastics.





Brushless DC Motor



3 Stage Air Control



SmartChip™ Plug-In DuraTherm™ Heating Element







Field Changeable Element

#### Precision Hot Air Tools 35021 Item No. With Case 35031 80°F - 1100°F (27°C - 599°C) Temperature Up to 21 cfm, 3000 Pa air pressure Variable Airflow 1750 watts Output Voltage 120 VAC / 60 Hz Amps Power Cord Rubber construction, double insulated Nozzle Diameter 1.18" (29.97 mm) Uses same accessories as HG 2300 EM Dimensions 15.00" x 4.00" x 4.00" (I x w x h) Net Weight 2.24 lbs (35.84 oz)

Dimensions: 18.00" x 5.00" x 5.00" Weight: 3.40 lbs (54.40 oz)

#### These nozzles fit both the HG 4000 E and the HG 2300 EM



40 mm Angle Flathead Slit 4.30" x 1.80" x 1.50" No. 09201



20 mm Angle Flathead Slit 3.80" x 1.80" x 1.30" No. 09211



5 mm Reducer Nozzle 3.10" x 1.30" x 1.30" No. 09221



10 mm Reducer Nozzle 3.10" x 1.30" x 1.30" No. 09231



90° Corner Nozzle 2.60" x 2.60" x 1.30" No. 09241



Single Sell Pack

Warranty

**High Speed Welding Tip** (Fits on 5mm Reducer) No. 09183



One year limited

Feed Roller 6.50" x 1.80" x 1.00" No. 09037



Roller with Ball Bearings 45 mm Silicone Seam No. 01250



Jointing planer No. 09311



Groover 7.70" x 2.00" x 1.30" No. 09010



Quarter Moon Knife 8.80" x 5.00" x 1.40" No. 09030



Trim Guide 2.12" x 2.13" x 0.30" No. 09025



Scriber 6.12" x 1.70" x 0.60" No. 09080

Made in E.U.



Diamond Sharpener 6.70" x 2.70" x 1.30" No. 09060

ISO 9001:2001









Lap Welding

Tarpaper Weld

Heat Shrink Tubing

Lap Welding

Tin Work

# **HG 2300 EM**

## **Industrial Heat Guns**





- Ergonomic heat gun with electronic thermocouple control
- Fully electronic temperature and airflow control
- High-performance, long life brushless motor
- Barrel shape for optimum stationary use
- Continuously adjustable airflow and temperature
- Easy-to-change heating element and power cord

## HG 2300 EM Ergonomic Heat Gun with Electronic Thermocouple Control

STEINEL HG 2300 EM combines powerful output with an ergonomic, easy to use design. Variable temperature and airflow control ensure a perfect job every time. The HG 2300 EM features ultra quiet operation, fast heat-up, and thermocouple control enabling you to reduce air to a pinpoint. Its modular construction is easy to repair, with heating element and power cord both conveniently field-changeable.









Stepless Switch

Replaceable Filters

Plug-in Heating Element

Field Changeable Cord





**HG 2300 EM** 



Easy to change plug in heating element

Item No.	35011
With Case	35012
Temperature	80°F - 1250°F (27°C - 677°C)
Variable Airflow	Up to 15.4 cfm, 3000 Pa air pressure
LED Display	Indicates actual and target temp. in 10°F increments
Output	1750 watts
Voltage	120 VAC / 60 Hz
Amps	14.6
Power Cord	Rubber construction, double insulated
Nozzle Diameter	1.18" (29.97 mm) Uses same accessories as HG 4000 E
Dimensions	15.00" x 4.00" x 4.00" (I x w x h)
Net Weight	2.24 lbs (35.84 oz)
Single Sell Pack	Dimensions: 18.00" x 5.00" x 5.00" Weight: 2.69 lbs (43.04 oz)
Warranty	One year limited

## **Industry Specific Kits Available for a Variety of Applications** See page 19 for a full line of nozzles





#### **HAWK Flooring Kit**

- HG 2300 EM Heat Gun
- Diamond Sharpener
- Groover
- Speed Welding Tip
- Scriber
- Quarter Moon Knife
- Feed Roller
- Brass Brush
- 5 mm Reducer Heavy Duty Case
- No. 42303



- Multi-Purpose Kit

  HG 2300 EM Heat Gun
- Spare Element
- Silicone Seam Roller
- 20 mm Angle Slit Nozzle 40 mm Angle Slit Nozzle
- 5 mm Reduction Nozzle
- 10 mm Reduction Nozzle
- 90° Nozzle
- Zinc Die-Cast Welding Nozzle

Made in E.U.

Heavy Duty Case

No. 42301

## **Applications**

**HAWK Roofing Kit** HG 2300 EM Heat Gun

90° Nozzle

No. 42302

Spare Element

40 mm Angle Slit Nozzle

Silicone Seam Roller

Heavy Duty Case













ISO 9001:2001

Strip Wood

Fabric Welding

Shrink Tubing

Roof Welding

Tarpaper Weld

Stripping Paint



# **Professional Heat Guns**





#### **Professional Heat Guns**

STEINEL heat guns are indispensable tools for professional tradespeople and industry leaders. State of the art technology, solid workmanship and a wealth of applications make them ideal for welding plastics, fitting shrink tubing, shaping thermoplastics or stripping paint. STEINEL professional heat tools get hot air straight to where it is needed. Precision control, versatility, longevity and great performance distinguish the products from the hot-air tool specialist.

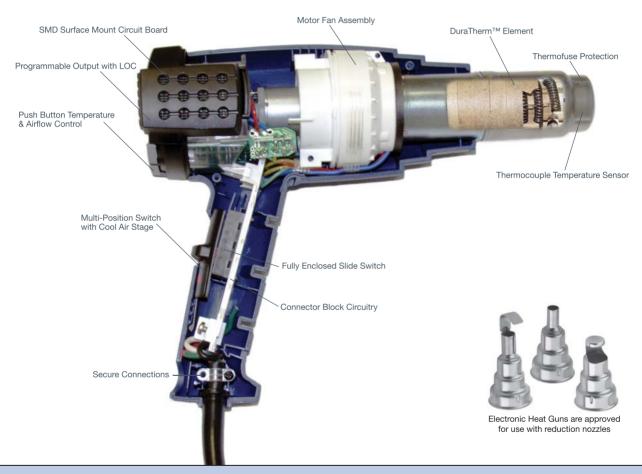
- Applying shrink tubing and connectors
- Loosening seized fasteners
- Plastic welding and repair
- Fitting or smoothing prosthetic devices
- Shaping and bending plastic pipes and parts
- Soldering and desoldering
- Upholstery
- Fiberglass repair
- Packaging
- Dental and optical labs
- Stripping paint
- Vehicle graphics or wraps
- Window tinting
- Aerospace



# **Professional Heat Gun Quality**

#### **Professional Heat Guns with Electronic Control**

STEINEL Professional Heat Guns have built a reputation for using state of the art technology to maximize precision and durability. Professional heat guns with electronic thermocouple control incorporate features responding directly to ever increasing global requirements for rigorous, formalized quality control.



#### **Applications**













Connectors

Hands Free Shrink Tubing

Forming Plastic

Hands Free Shrink Tubing

Bending Plastic

Hands Free Aircraft Maintenance



#### **Programmable Output with LOC™**



Preset Programs

STEINEL's new HG 2510 ESD and HG 2310 LCD models feature independently variable temperature and airflow. They come with four programmed settings for rapidly adapting output to common applications. These programs may be customized to suit the user's specific requirements.

In addition, Supervisors and Quality Control Engineers may lock down output to one specific temperature / airflow combination using the LOC Lockable Override Control™ feature included on these heat guns. The end user cannot modify output unless his supervisor "unlocks" the tool.

#### **Electronic Thermocouple Control**

All STEINEL Electronic Heat Guns incorporate a temperature sensor at the tip of the output nozzle. This thermocouple feeds information back to the integrated electronics, which make the necessary adjustments to achieve the desired air temperature output and avoid overheating. The result is extremely accurate temperature control as well as increased life.



SMD Surface Mount Circuit Board

STEINEL utilizes state-of-the-art SMD surface mount circuit boards which we design and manufacture for this specific application. Reliability is ensured due to the decreased number and nature of the connections.

Select STEINEL models feature IntelliTemp™ temperature control. A digital display enables the user to select a target temperature in 10°F increments and will indicate when the temperature has been achieved.



Programmable Intellitemp Control



#### **Duratherm™ Heating Element**

STEINEL's patented DuraTherm Ceramic Encapsulated Heating System is unsurpassed for even heat and long life. Coils are wound through a series of stacked ceramic disks achieving a "honey-comb" effect that fully encapsulates and supports them. The ceramic acts like an oven, preventing hot and cold spots, and providing the most evenly heated airflow possible. The added support helps prevent coil breakage and contributes to the element's long life.

**Fully Encapsulated Coils** 

#### **Interconnect Block Circuitry**

STEINEL's modular Interconnect Block increases reliability significantly. Plastic is injection molded around the "wiring" to form a solid block, which will not break or disconnect like traditional wiring. Adding to this reliability are fully enclosed slide switches and firmly secured power cords.



Interconnect Block Circuitry

Made in E.U.





ISO 9001:2001











Plastic Welding

Auto Body Welding

Dental Molding

Solder Copper

Desolder Circuit Board

Leather Repair