

# Hallmark's Premium Soldering Tools and Equipment

Precision Engineering for Modern Electronics Manufacturing



# ABOUT

## Hallmark Electronics

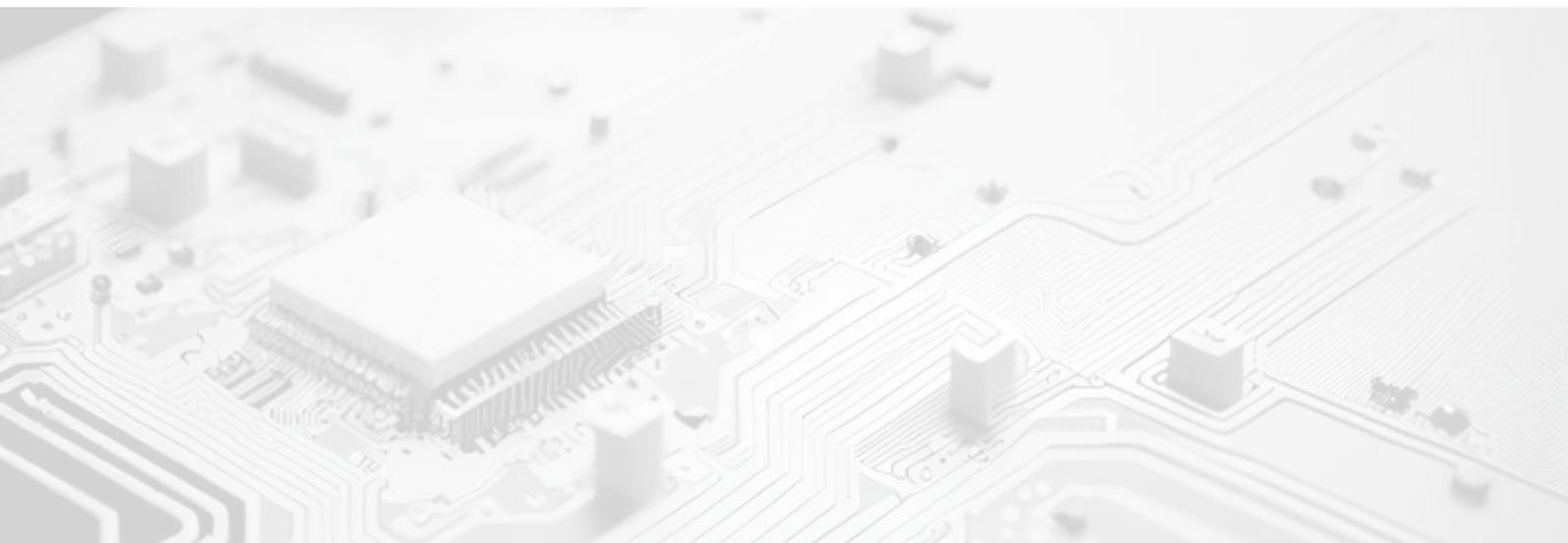
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Since our inception in 1987, we are engaged in the field of manufacturing various electronic products. We cater to the requirements of dynamic electronic, electrical & auto industry across the world. Our electronic products are based on the latest research innovations. Backed by our technological advancement and expertise, we are fast emerging as India's leading electronic company by manufacturing and supplying customer centric products.

We have emerged as the market leader in our business domain. we lay due stress on ensuring quality and precise designs in our products that has always been the hallmark of our products.

We are committed to offer products with performance par excellence and innovate newer techniques to provide our clients with a large number of options for varied applications in the electronic industry. We have ultra modern computer based product designing system to critically design our precisely engineered products.

Our products are the skillful combination of high grade raw material and components with advanced technology to fabricate economical electronic devices. Our Indigenous quality check facilities ensure that we have maximum level of quality in our products which has enabled us to grow.



## ABOUT TEAM

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We have a dynamic, qualified and experienced team of electronic and electrical engineers. They have strong dedication to achieve our objective and all their activities are aimed towards fulfilling it. They endeavor to make high quality products for our customers.

Our team comprises of professionally qualified electrical engineers, managers and marketing experts. They are constantly engaged in the precise engineering, perfect designing and development of high performance products. Our workforce is updated with latest advancements in the industry by proper training and seminars.

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## QUALITY CONTROL

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We, at Hallmark Electronics, are focused on ensuring high level client satisfaction by catering to their requirements. Our leading position in the Indian manufacturing products industry has been achieved by the support of our by our customer centric services, reliable and top quality products. We have the vast knowledge and in depth understanding of the real needs of our customers and we provide them completely reliable solutions. We test our products for voltage resistance, safety and performance. Over the years we have maintained a tremendous growth rate by regular improvement of quality parameters and make them available to our clients at nominal cost.

# OUR PRODUCT RANGE

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- DIGITAL TEMPERATURE CONTROLLED SOLDERING STATIONS
- TEMPERATURE CONTROLLED SOLDERING STATIONS
- DIGITAL TEMPERATURE CONTROLLED DESOLDERING STATIONS
- HANDS FREE SOLDERING STATIONS
- TEMPERATURE CONTROLLED SOLDER BATHS
- TEMPERATURE CONTROLLED WAX BATHS
- MAINS OPERATED SOLDERING IRON
- MAINS DESOLDERING TOOLS
- PENCIL TYPE SMD SOLDERING IRON
- MINI SOLDERING IRON
- HAND DESOLDERING SYSTEMS
- SMPS POWER SUPPLY
- SOLDER BITS



# Hallmark TCS 450 Digital Temp Controlled fully Automatic Dip Soldering Machine

An automatic dip soldering machine is designed for the efficient and consistent soldering of electronic components onto printed circuit boards (PCBs). This machine automates the dip soldering process, allowing for high throughput and precision while minimizing defects associated with manual soldering.



## Key Features:

<b>Automation:</b>	Fully automated process with programmable controls for repeatability.
<b>Solder Pot:</b>	Stainless Steel
<b>Soldering Depth Adjustment:</b>	Adjustable settings to control the depth of the PCB dip, ensuring proper solder coverage.
<b>Safety Features:</b>	Over-temperature protection, emergency stop buttons.
<b>Maintenance Accessibility:</b>	Designed for easy access to components for routine maintenance and cleaning.

## Specifications:

<b>Solder Pot Capacity:</b>	22 kgs
<b>Temperature Range:</b>	200°C to 410°C, adjustable based on solder type.
<b>PCB Size Compatibility:</b>	Supports various PCB sizes, often up to 200mm x 200mm.
<b>Safety Features:</b>	Over-temperature protection, emergency stop buttons.
<b>Power Supply:</b>	Single phase standard power requirements
<b>Dimensions:</b>	Approximately 1500mm x 800mm x 1200mm (l x wx h), varies by model.
<b>Weight:</b>	Generally between 50 to 100 kg, depending on build and features.
<b>Control System:</b>	PLC-based with options for integration into existing production systems.

# Hallmark TCS 450 Digital Temp Controlled Soldering Station

120W



## Technical Specifications:

<b>Power:</b>	120W
<b>Temperature range:</b>	200°C to 450°C
<b>Temperature stability:</b>	±2% of the set value
<b>Soldering iron:</b>	Lightweight and ergonomic with a comfortable grip
<b>Heating element:</b>	Specially designed heater for fast and even heat distribution
<b>Display:</b>	Digital LED display for temperature & heating status of the soldering iron
<b>Control:</b>	Microprocessor-controlled with adjustable temperature settings

# Hallmark TCS 450 Digital Temp Controlled Soldering Station

35W / 50W / 80W / 100W



## Technical Specifications:

<b>Power:</b>	35W, 50W, 80W, 100W
<b>Temperature range:</b>	200°C to 450°C
<b>Temperature stability:</b>	±2% of the set value
<b>Soldering iron:</b>	Lightweight and ergonomic with a comfortable grip
<b>Heating element:</b>	Specially designed heater for fast and even heat distribution
<b>Display:</b>	Digital LED display for temperature & heating status of the soldering iron
<b>Control:</b>	Microprocessor-controlled with adjustable temperature settings

## Hallmark TCS 450W LED Bar Graph Soldering Station



### Technical Specifications:

<b>Power:</b>	35W, 50W,65W, 80W, 100W
<b>Temperature range:</b>	200°C to 450°C
<b>Temperature stability:</b>	±2% of the set value
<b>Soldering iron:</b>	Lightweight and ergonomic with a comfortable grip
<b>Heating element:</b>	Specially designed heater
<b>LED bar graph display:</b>	Displays the temperature and heating status of the soldering iron
<b>Control:</b>	Microprocessor-controlled with adjustable temperature & heating settings

## Hallmark TCS 450W Variable Soldering Station



### Technical Specifications:

<b>Power:</b>	35W, 50W,65W, 80W, 100W, 120W
<b>Temperature range:</b>	200°C to 450°C
<b>Temperature stability:</b>	±2% of the set value
<b>Soldering iron:</b>	Lightweight and ergonomic with a comfortable grip
<b>Heating element:</b>	Specially designed heater for fast and even heat distribution
<b>Display:</b>	Control LED shows heating status of the soldering iron
<b>Control:</b>	Microprocessor-controlled with adjustable temperature & heating settings

## Hallmark TCS 450 Digital Temp Controlled Desoldering Station

80W



### Technical Specifications:

<b>Power:</b>	80W
<b>Temp range:</b>	200°C to 400°C
<b>Temp stability:</b>	±2% of the set value
<b>Vacuum pump:</b>	Diaphragm pump with vacuum pressure of 0.05MPa
<b>Vacuum flow rate:</b>	15L/min
<b>Desoldering gun:</b>	Lightweight and ergonomic with a comfortable grip
<b>Nozzle sizes:</b>	1.0mm, 1.5mm, 2.0mm, 2.5mm, 3.0mm
<b>Display:</b>	Digital LED display for temperature & vacuum pressure
<b>Control:</b>	Microprocessor-controlled with adjustable temp & vacuum settings
<b>Safety features:</b>	Auto-sleep & auto-cooling functions to prolong heating element life

## Hallmark SMD Micro Soldering Iron with Power Supply



### Technical Specifications:

<b>Power:</b>	12V/24V
<b>Temp range:</b>	150°C to 450°C
<b>Tip size:</b>	0.2mm to 2mm
<b>Heating element:</b>	Specially designed heater for fast and even heat distribution
<b>Handle:</b>	Slim & lightweight for comfortable use
<b>Cord:</b>	Flexible & heat-resistant for easy direct soldering
<b>Output voltage:</b>	12V/24V
<b>Output current:</b>	Varies depending on wattage, usually from 1A to 2A

# Hallmark TCS 450W Soldering and Desoldering Station

80W COMBO



## Technical Specifications:

<b>Power:</b>	80W
<b>Temperature range:</b>	200°C to 450°C
<b>Temperature stability:</b>	±2% of the set value
<b>Soldering iron:</b>	Lightweight and ergonomic with a comfortable grip
<b>Heating element:</b>	Specially designed heater for fast and even heat distribution
<b>Control:</b>	Microprocessor-controlled with adjustable temperature settings

## The desoldering gun that comes with the station has the following specifications:

<b>Power:</b>	80W
<b>Vacuum pressure:</b>	600mmHg
<b>Temperature range:</b>	200°C to 400°C
<b>Temperature stability:</b>	±2% of the set value
<b>Heating element:</b>	Specially designed heater for fast and even heat distribution

## Hallmark Mains Operated Soldering 230V



### Technical Specifications:

**Power output:** Mains operated soldering irons can range in power output from 25W, 35W, 50W, 100W, depending on the intended use and application.

**Temp range:** The temperature range of a mains operated soldering iron can vary depending on the model and intended use, with some irons able to reach temperatures of upto 450°C.

**Tip type:** The tip of a mains operated soldering iron can come in a variety of shapes and sizes, including conical, chisel, and pointed tips, among others.

**Accessories:** Some mains operated soldering irons may come with additional accessories, such as stands, cleaning sponges, and spare tips.

## Hallmark Hands Free Soldering Station



### Technical Specifications:

**Adj. temp control:** Most hands-free soldering stations have adjustable temperature control, allowing the user to set the temperature of the soldering iron to the desired level for the specific task at hand. Autofeeding solder adjustment with adjustable

**Iron holder:** The holder for the soldering iron is typically adjustable, allowing the user to position the soldering iron at the desired angle and height for the task at hand.

**Base unit:** The base unit may include additional features such as a digital display, LED indicator lights, and temperature calibration options.

**Accessories:** Hands-free soldering stations may come with additional accessories such as cleaning sponges, spare tips, and soldering wire.

## Hallmark Digital Temp Controlled Hot Plate (300X200mm)G (100X100mm)



### Technical Specifications:

<b>Size:</b>	The size of the hot plate can vary, with some models as small as a few inches and others as large as several feet in diameter.
<b>Temp range:</b>	The temperature range of the hot plate can vary depending on the model, with some hot plates able to reach temperatures up to 425°C or higher.
<b>Digital temp ctrl:</b>	Digital temperature control allows for precise temperature regulation, with some models featuring a built-in thermostat or PID controller for more accurate temperature control.
<b>Heating element:</b>	The heating element is typically made of a conductive material such as aluminum or stainless steel, and the surface may be coated with a non-stick material such as Teflon. For low Temperature work

## Hallmark TCS 400DB Digital Temp Controlled Solder Bath (90X100mm)



### Technical Specifications:

<b>Temp range:</b>	200°C to 400°C (392°F to 752°F)
<b>Temp control:</b>	Digital
<b>Display:</b>	Digital LED display
<b>Capacity:</b>	7 kgs
<b>Construction:</b>	Casted Bowl
<b>Power supply:</b>	AC 220-240V, 50/60Hz
<b>Power:</b>	400W
<b>Safety:</b>	Automatic shut-off, overheat protection
<b>Dimensions:</b>	255mm x 155mm x 100mm
<b>Weight:</b>	2.4kg (5.3 lbs.)

## Hallmark 230V Solder Bath (50X40mm)



### Technical Specifications:

<b>Voltage:</b>	230V
<b>Temperature range:</b>	Upto 400°C
<b>Tank size:</b>	50mm x 40mm deep
<b>Tank construction:</b>	Casted Bowl
<b>Power consumption:</b>	250W
<b>Safety features:</b>	Designed so as no over heating takes place
<b>Dimensions:</b>	155mm x 85mm x 85mm (6.1" x 3.3" x 3.3")
<b>Weight:</b>	1.5kg (2.6 lbs.)

## Hallmark 230V Solder Bath (40mmX40mm)



### Technical Specifications:

<b>Voltage:</b>	230V
<b>Temperature range:</b>	Upto 400°C
<b>Tank size:</b>	40mm x 40mm deep
<b>Tank construction:</b>	Casted Bowl
<b>Power consumption:</b>	350W
<b>Safety features:</b>	Designed so as no over heating takes place.
<b>Dimensions:</b>	155mm x 85mm x 85mm (6.1" x 3.3" x 3.3")
<b>Weight:</b>	1.2kg (2.6 lbs.)

## Hallmark TCS 400DB Digital Temp Controlled Solder Bath (40mmX40mm)



### Technical Specifications:

<b>Temp range:</b>	200°C to 400°C (392°F to 752°F)
<b>Temp control:</b>	Digital
<b>Display:</b>	Digital LED display
<b>Capacity:</b>	400ml
<b>Construction:</b>	Casted Bowl
<b>Power supply:</b>	AC 220-240V, 50/60Hz
<b>Power consumption:</b>	400W
<b>Safety features:</b>	Automatic shut-off, overheat protection
<b>Dimensions:</b>	255mm x 155mm x 100mm (10" x 6.1" x 3.9")
<b>Weight:</b>	2.4kg (5.3 lbs.)

## Hallmark TCS 400DB Digital Temp Control Solder Bath (200X150X50mm)



### Technical Specifications:

<b>Temp range:</b>	200°C to 400°C (392°F to 752°F)
<b>Temp control:</b>	Digital
<b>Display:</b>	Digital LED display
<b>Capacity:</b>	25 kgs
<b>Construction:</b>	Stainless Steel
<b>Power supply:</b>	AC 220-240V, 50/60Hz
<b>Power consumption:</b>	400W
<b>Safety features:</b>	Automatic shut-off, overheat protection
<b>Dimensions:</b>	200mm x 150mm x 50mm (10" x 6.1" x 3.9")

## Hallmark Make SMPS Range: 100 mA to 10 A



### Technical Specifications:

<b>100mA SMPS:</b>	Typically used for low-power applications like small electronic devices, sensors, or battery chargers. They are compact and efficient but have limited power output.
<b>1A SMPS:</b>	Suitable for a wider range of applications, including LED lighting, small industrial equipment, and consumer electronics. They offer a good balance of power and size.
<b>5A SMPS:</b>	Commonly used for industrial control systems, medical devices, and desktop computers. They can handle moderate power demands and are often equipped with advanced features like remote sensing and programmable output.
<b>10A SMPS:</b>	Suitable for high-power applications like industrial machinery, server farms, and medical equipment. They provide ample power output and are often designed for rugged environments.

## PG Gland



### Technical Specifications:

**Thread standard:**

PG glands conform to DIN 40430 & are available in various sizes, typically ranging from PG7 to PG48.

**Cable diameter range:**

Each PG gland size is designed to accommodate a specific range of cable diameters, typically ranging from 3.5mm to 48.0mm.

**Material:**

PG glands are commonly made from materials such as brass, stainless steel, or plastic, depending on the application & environment in which they will be used.

**IP rating:**

PG glands provide a degree of protection against the ingress of dust & water, with IP ratings typically ranging from IP54 to IP68.

**Temperature range:**

The temperature range for PG glands varies depending on the material used, with plastic glands typically having a lower temperature range compared to metal glands.

**Installation:**

PG glands are typically installed by threading the gland onto a pre-drilled hole on the enclosure or junction box, passing the cable through the gland, and tightening the locknut to secure the cable in place.

**Approvals:**

PG glands may have various certifications and approvals, such as CE, RoHS, UL, and ATEX, depending on the manufacturer and intended application.

## BS -5 Banana Socket



### Technical Specifications:

<b>Size:</b>	The BS-5 banana socket typically has a diameter of about 4mm ID and a length of about 25.4mm.
<b>Material:</b>	The socket body is usually made of brass or nickel-plated brass, while the having hard plastic shell insulation.
<b>Voltage and current rating:</b>	The voltage and current rating can vary depending on the manufacturer & application, but BS-5 banana sockets are typically rated for up to 30V AC/60V DC and up to 10A.
<b>Mounting:</b>	BS-5 banana sockets are typically panel-mounted using a threaded collar or nut.
<b>Compatibility:</b>	The BS-5 banana socket is compatible with standard 4mm banana plugs that have a diameter of approximately 4mm.

# Hallmark TCS 450 Solder Bits

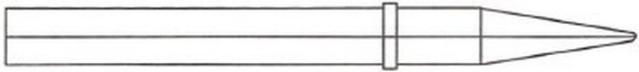
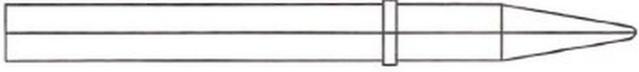
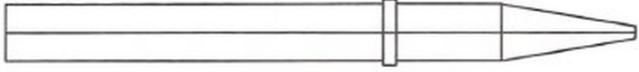
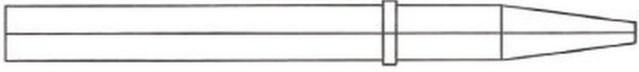
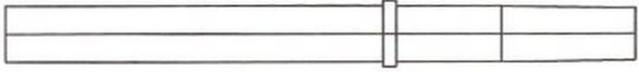
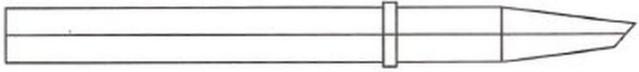
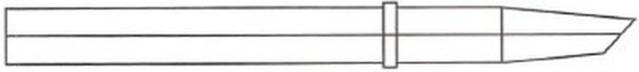
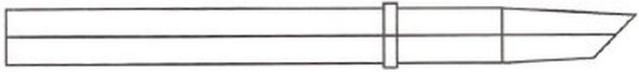
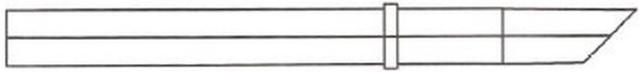


## Technical Specifications:

**Temperature range:** Iron-plated tips can typically with stand temperatures up to 200-450°C.

**Tip shape:** Iron-plated soldering iron tips can come in a variety of shapes and sizes, depending on the specific soldering task.

## Hallmark TCS Soldering Bit Range

	<b>SIB01</b> MICRO DIM - 0.8mm
	<b>SIB01</b> DIM - 1.2mm
	<b>SIB04</b> CHISEL - 1.2mm
	<b>SIB04</b> CHISEL - 2.0mm
	<b>SIB04</b> CHISEL - 5.0mm
	<b>SIB05</b> SPREAD - 2.0mm
	<b>SIB05</b> SPREAD - 3.0mm
	<b>SIB05</b> SPREAD - 4.0mm
	<b>SIB05</b> SPREAD - 5.0mm



**BNC to Crocodile Connector Cord**



**Industrial Smoke Absorber**



**Banana to Banana Connector Cord**



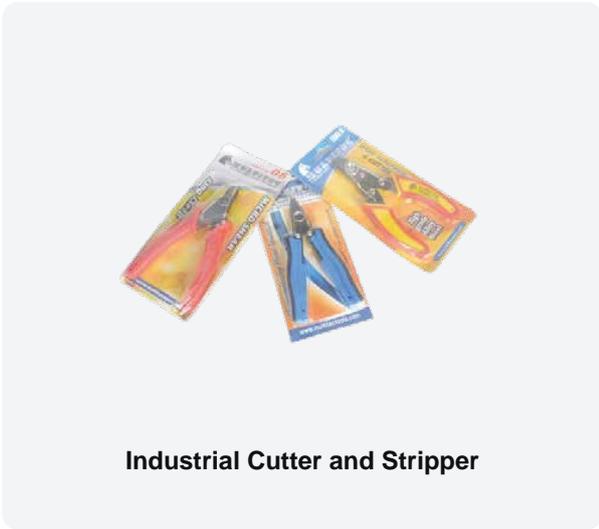
**Bit Cleaning Sponge**



**BNC to BNC Connector Cord**



**16, 18, 22 SWG Solder Wire**



Industrial Cutter and Stripper



Industrial Plier

## Industrial Soldering and PCB Cleaning Fluids



IPA

No Clean Flux

Rosin Flux

Toluene

Suponifier

PCB Lacker

PCB Cleaning Fluid



# HALLMARK ELECTRONICS

## Billing Address:

### Hallmark Electronics

Sr.no.46/A1/2, C-6, Sonawane Industrial Estate,  
Pune-Satara Road, Pune-411009

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## Factory Address:

### Hallmark Electronics

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