



# Product Guide

NOVEMBER 2022

# Lighters

## MICRO GAS TORCH

MODEL: PMGT



This tiny micro gas torch is ideal to keep around the house. Kitchen uses include caramelising, brûlée, browning meat, smoking cocktails etc. It can even stand in for lighting your log fire if you misplace your Peri flexible lighter.

- Auto ignition
- Adjustable flame
- Windproof flame
- Safety lock
- Refillable with Butane gas

### Powered by

**B** Butane (included)



## MINI LIGHTER

MODEL: PMWL

This tiny mini lighter is ideal to keep around the house for general purpose use. It has a windproof flame making it great for outdoor use where standard lighters can struggle to stay alight.

- Auto ignition
- Windproof flame
- Refillable
- Butane powered

### Powered by

**B** Butane (included)



## FLEXIBLE LIGHTER

MODEL: PFL



Designed to fit into hard-to-reach spots, the Flexible Utility Lighter is the perfect tool for lighting grills, lanterns, fireplaces and portable stoves. The lighter features an adjustable windproof flame for indoor and outdoor use, and a comfortable ergonomic design for easy grip. Includes a large window to easily gauge fuel levels and can be easily refilled with a Peri butane cylinder.

- Auto ignition
- Adjustable flame
- Child safe ignition lock
- Flexible burner tube
- Retractable hanging hook
- Bonus gas included
- Refillable with Butane gas

### Powered by

**B** Butane (included)

## FOLDABLE POCKET LIGHTER

MODEL: PFWL

This lighter is similar to our flexible lighter but can be folded to a smaller size for easier storage. Perfect for lighting grills, lanterns, fireplaces and portable stoves. The lighter features an adjustable windproof flame for indoor and outdoor use. Includes a large window to easily gauge fuel levels and can be easily refilled with a Peri butane cylinder.

- Foldable stem
- Adjustable flame
- Windproof flame
- Safety lock
- Refillable
- Butane powered

### Powered by

**B** Butane (included)



# Soldering Irons

## SOLDERING IRON, HEAT GUN & BLOW TORCH

MODEL: PSIBT-4K

This cordless soldering iron is designed for precision work including fine soldering, craft projects and jewellery repairs. It comes with a 1.5mm round tip. With the tip removed, the unit becomes a blow torch, ideal for heat shrinking etc. Gas is not included.

- Auto ignition
- Adjustable flame
- Can also be used as a blow torch
- Refillable with Butane gas

### Powered by

**B** Butane



## SOLDERING IRON, HEAT GUN & BLOW TORCH 11PC KIT

MODEL: PSIBT-11K

This cordless soldering iron is designed for precision work including fine soldering, craft projects and jewellery repairs. With the tips removed, the unit becomes a blow torch, ideal for heat shrinking etc. This is the same unit as PSIBT-4K but with additional accessories packaged in a sturdy plastic case. Gas is not included in the kit.

- Auto ignition
- Adjustable flame
- 11 piece kit
- Uses Butane gas
- 5 soldering tips
- Solder coil
- Sturdy plastic case
- Can also be used as a blow torch
- Refillable with Butane gas

### Powered by

**B** Butane



## RECHARGEABLE CORDLESS SOLDERING IRON


MODEL: PRBSI

This cordless soldering iron is designed for precision work including electronics, fine soldering, craft projects and jewellery repairs. This high-tech unit offers true portability without the need for either a power cord or a gas supply. The quick heat up time allows for instant use while the 60 minute runtime will cope with most tasks before a recharge is required. Unlike gas powered soldering irons, this unit provides its own LED illumination at the tip allowing for easy use in tight spots where lighting could be difficult.

- Powered by rechargeable 1800 mHa lithium battery
- Heat up time 10 seconds
- Run time 60 minutes
- Charge time 90-120 minutes
- Rubberised handle
- Replaceable tip
- LED illumination of work area
- USB-C charging cable included
- Desk stand with sponge included
- Solder included
- Flux paste included



### Powered by

 Battery (included)

## DUAL WATTAGE SOLDERING IRONS

We have 3 models in our 240v dual wattage range. These are the preferred soldering irons where mains power is available and extended use is required. Ideal for electronic circuit repair, electrical wiring repair, jewellery, eyeglass frame repair, wood burning (pyrography) etc.

- 240V AC
- Dual power models:
  - 20/40w
  - 30/60w
  - 50/100w
- Fitted with long life tip (suitable for lead free soldering)
- Mica heating element
- Quick and convenient tip replacement
- LED indicator
- Steel stand support
- 1.2m cord



PSI50100W

PSI3060W

PSI2040W



### Powered by

 Mains

# Solder

## PES115G

- Weight 15g
- Diameter 1mm
- Lead free
- Resin core



## PES1685G

- Weight 85g
- Diameter 1.6mm
- Lead free
- Rosin core



## PES1615G

- Weight 15g
- Diameter 1.6mm
- 60/40
- Resin core



## PES1655G

- Weight 55g
- Diameter 1.6mm
- 60/40
- Resin core



## PES32500G

- Weight 500g
- Diameter 3.2mm
- 60/40
- Resin core



## PES2325G

- Weight 25g
- Diameter 2.3mm
- 50/50
- Resin core



## PES2370G

- Weight 70g
- Diameter 2.3mm
- 50/50
- Resin core



## PPS385G

- Weight 85g
- Diameter 3mm
- Silver bearing
- Solid wire



## PPFB

- Weight 28.4g
- Lead free
- Water soluble



## PMWS1685G

- Weight 85g
- Diameter 1.6mm
- Silver bearing
- Acid core



# Brazing Rods

## MODEL: PBBR

### Bronze Low Fuming Flux Coated

Ideal for steel, cast iron, copper based, galvanised and malleable metals.

- 3mm diameter
- 310mm length



## MODEL: PNBBR

### Nickel Bronze Flux Coated

Ideal for metal components e.g. Gear teeth, fences, radiators and will join different metals including stainless steel, cast iron, nickel and brass alloys.

- 3mm diameter
- 310mm length

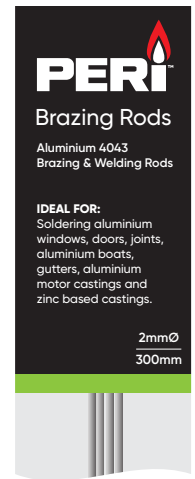


## MODEL: PABR

### Aluminium 4043

Ideal for soldering aluminium windows, door, joints, aluminium boats, gutters, aluminium motor castings and zinc based castings.

- 2mm diameter
- 300mm length



# Solder Types

## ELECTRICAL SOLDER



Use for electronic components, circuit boards and electrical wiring.

### Details:

- Solder contains resin flux
- Lead-based solders i.e. 60/40 (60% tin 40% lead) have a lower melting point (188C) and are easier to work with
- Lead-free solders have a higher melting point

## PLUMBING SOLDER



Use for joining copper pipes, hot water cylinders and heating systems.

### Details:

- Solder contains no flux
- Flux is required but sold separately
- Solder is silver bearing
- Solder is lead-free

## METAL WORK SOLDER



Use for joining sheet metals, smaller automotive use, and jewellery.

### Details:

- Contains acid flux
- Solder is silver bearing
- Solder is lead-free

# Torches

## GAS TORCH

MODEL: PGT



This small palm sized self contained torch is ideal to keep in the kitchen for putting finishing touches to food preparation. It is perfect for Crème Brûlée, flambeing, caramelising, browning, adding colour and texture, blistering and skinning, finishing foods for presentation and adding drama when serving.

- Auto ignition
- Adjustable flame
- Great in the kitchen
- Refillable with Butane gas

### Powered by

**B** Butane



## BLOW TORCH HEAD

MODEL: PBBT-H

This blow torch is the big brother to the self contained Gas Torch (see above). It has the same capabilities and is designed to fit a standard bayonet type Butane gas cartridge (see page 9). While it is great for soldering and heat shrinking etc., it absolutely excels in the kitchen for perfectly finishing off steaks, fish, chicken and vegetables, melting cheese toppings and even quickly toasting breads.

- Auto ignition
- Adjustable flame
- Stainless steel burner tube
- Bayonet fitting
- Absolutely essential for every kitchen
- Uses economical Butane gas cartridges



Uses PBGC gas page 13

### Powered by

**B** Butane





## BRASS TORCH KIT

MODEL: PBT-PK

## FLINT LIGHTER

PMFL



This is our smallest and cheapest Propane gas torch designed for Propane use. Thanks to its durable brass construction and simple design, it is one of our sturdiest and easiest to use torch heads. It is well suited to a variety of uses including small diameter soldering, as well as thawing frozen locks and pipes. This torch doesn't have auto ignition and will need lighting with a manual flint lighter (see right) or cigarette lighter.

- Adjustable flame
- Brass burner tube
- Suitable for Propane gas

### Powered by

**P** Propane (included)



## SWIVEL HEAD TORCH KIT

MODEL: PSHT-PK

Our Swivel Head Torch Kits provide a 360° swivel making it easy to get your flame into tight and awkward spots. This torch is well suited to large diameter soldering, brazing and heat treating. It features a flame action which stabilises the flame resulting in a more compact and efficient combustion. Auto ignition makes lighting the torch quick and easy while the flame can be precisely controlled with the flame adjustment knob.

- Auto ignition
- Adjustable flame
- 360° swivel head
- Stainless steel burner tube
- Suitable for Propane and Super-MAP gas

### Compatible with

**P** Propane (included)

**M** Super-MAP



# Torches

## SWIVEL HEAD PRO TORCH KIT

MODEL: PSHPT-MK

Our Swivel Head Torch Kits provide a 360° swivel making it easy to get your flame into tight and awkward spots. This torch is well suited to large diameter soldering, brazing and heat treating. It features a swirl flame action which stabilises the flame resulting in a more compact and efficient combustion. The flame burns hotter and more concentrated giving up to 40% faster soldering and brazing times. Auto ignition makes lighting the torch quick and easy while the flame can be precisely controlled.

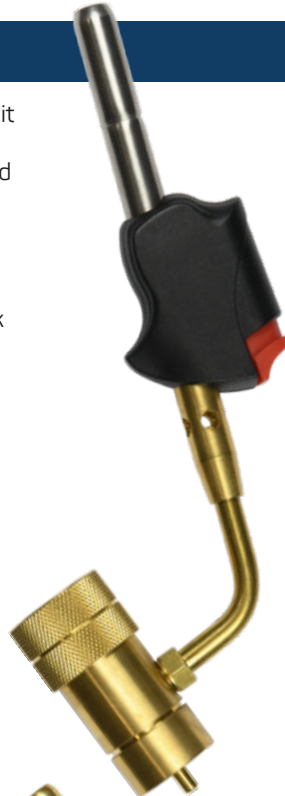
- Auto ignition
- Adjustable flame
- 360° swivel head
- Stainless steel burner tube
- Heavy duty brass fittings
- Suitable for Propane and Super-MAP gas

### Compatible with

- M** Super-MAP (included)
- P** Propane



MADE IN TAIWAN



## PISTOL GRIP BRASS TIP TORCH KIT

MODEL: PPGBT-MK

This versatile high heat torch is designed for a wide range of jobs including soldering large diameter copper pipes, brazing and heat treating. It features a swirl flame action which stabilises the flame resulting in a more compact and efficient combustion. The flame burns hotter and more concentrated giving up to 40% faster soldering and brazing times. The brass tip's higher thermal conductivity means faster heating bringing flame up to maximum temperature quicker. The auto start/stop ignition lights and extinguishes the flame with the push of a button, while a run-lock button keeps the torch lit for continuous use.

- Brass tip burner tube
- Auto ignition
- Adjustable flame
- Swirl flame
- Tip swivels 360°
- Suitable for Propane and Super-MAP gas

### Compatible with

- M** Super-MAP (included)
- P** Propane



MADE IN TAIWAN



## METAL PISTOL GRIP TORCH KIT

MODEL: PMPT-MK

This versatile high heat torch is designed for a wide range of jobs including soldering large diameter copper pipes, brazing and heat treating. It features a swirl flame action which stabilises the flame resulting in a more compact and efficient combustion. The flame burns hotter and more concentrated giving up to 40% faster soldering and brazing times. The auto start/stop ignition lights and extinguishes the flame with the push of a button, while a run-lock button keeps the torch lit for continuous use.

- Auto ignition
- Adjustable flame
- Swirl flame
- Stainless steel burner tube
- Flame lock-on feature
- Suitable for Propane and Super-MAP gas

### Compatible with

- M** Super-MAP (included)
- P** Propane



**MADE IN TAIWAN**



## ALUMINIUM PISTOL GRIP TORCH KIT

MODEL: PAPT-MK

This torch is similar to our PPGBTT-MK torch but with a number of improvements. The grip is made from cast aluminium making the torch more durable as well as keeping the weight down. The torch comes standard with a super cyclone swirl flame burner head PAPT-SCH but three other heads are available as options: PAPT-PH precision head, PAPT-BH brass swirl flame head and PAPT-HSH heat shrink/searing head. These can be purchased separately (see next page).

- Auto ignition
- Stainless steel burner tube
- Adjustable flame
- Flame lock
- Cyclone swirl flame tip
- Interchangeable head
- Lightweight handle

### Compatible with

- M** Super-MAP (included)
- P** Propane



**MADE IN TAIWAN**



# Torches

## ALUMINIUM PISTOL GRIP TORCH KIT in CASE

MODEL: PAPT-MKIT

This is our PAPT-MK torch (see previous page) packaged in a carry case with an extra Super-MAP gas bottle, plus an extension hose and belt clip and 2 extra heads. This combination of tools gives extra versatility and the case means easy storage.

### TORCH

- Auto ignition
- Stainless steel burner tube
- Adjustable flame
- Flame lock
- Interchangeable head
- Lightweight handle

### IN THE BOX

- PAPT-MK torch
- PSMGC Super-MAP gas bottles x 2
- PAPT-SCH super cyclone head
- PAPT-HSH heat shrink/searing head
- PAPT-PH precision head
- PHE 1.5m extension hose and belt clip
- Storage case



### Compatible with

- M** Super-MAP (included)
- P** Propane



# Accessories

## INTERCHANGEABLE HEADS for PAPT-MK TORCH

These heads are designed to fit our PAPT-MK torch head to give extra versatility in the range of applications for that torch.

PAPT-PH is ideal for precision jobs such as jewellery repair.

PAPT-BH is a standard head for general use.

PAPT-SCH is a more powerful version again for general use.

PAPT-HSH is ideal for heat shrinking or meat searing but is also great for general use.



PRECISION  
PAPT-PH

BRASS SWIRL  
PAPT-BH

SUPER CYCLONE  
PAPT-SCH

HEAT SHRINK/SEARING  
PAPT-HSH

## EXTENSION HOSE AND BELT CLIP

MODEL: PHE

This 1.5m extension hose is designed to attach to either our Propane or Super-MAP gas bottles to extend the reach of all our gas torches. The clip allows the gas bottle to be hung on a belt leaving hands free to operate the torch.



# Torches

## SWIVEL HEAD TORCH

MODEL: PSHT-H



This is similar to our PSHT-PK model on page 9 but does not include a gas bottle. Our Swivel Head Torch Kits provide a 360° swivel making it easy to get your flame into tight and awkward spots. This torch is well suited to large diameter soldering, brazing and heat treating. It features a flame action which stabilises the flame resulting in a more compact and efficient combustion. Auto ignition makes lighting the torch quick and easy while the flame can be precisely controlled with the flame adjustment knob.

### Compatible with

- P** Propane
- M** Super-MAP

## BRASS TIP TORCH HEAD WITH HOSE

MODEL: PBTTH-H

This high heat torch has the same features and specifications as the Swivel Head Torch Kit (PSHT-PK) but comes with brass tip and a 1.1m hose. This allows better control of the torch head without the gas bottle being attached. It has the additional benefit that the torch can be attached to larger gas bottles such as the 9kg used on gas barbecues.

- Auto ignition
- Adjustable flame
- Stainless steel burner tube
- Hose length 1.1m
- Belt clip included
- Suitable for Propane and Super-MAP gas

### Compatible with

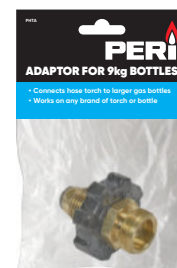
- P** Propane
- M** Super-MAP



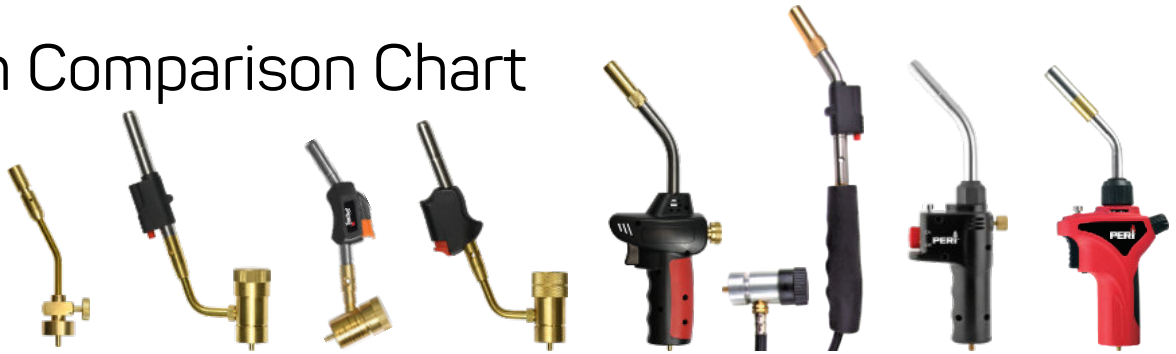
## ADAPTOR FOR 9KG BOTTLES

MODEL: PHTA

This adaptor is designed to attach the PBTTH-H hose torch (see above) to a standard 9kg gas bottle.



# Torch Comparison Chart



Model	PBT-PK	PSHT-PK	PSHT-H	PSHPT-MK	PPGBTT-MK	PBTTH-H	PMPT-MK	PAPT-MK
Order Code	103601	103602	103603	103701	103703N	103704	103706	103707
Description	Brass Torch	Swivel Head Torch	Swivel Head Torch	Swivel Head Pro Torch	Pistol Grip Brass Tip Torch	Brass Tip Torch Head with Hose	Metal Pistol Grip Torch	Aluminium Pistol Grip Torch
Flame Type	Precision	Swirl	Swirl	Swirl	Swirl	Swirl	Swirl	Ultra Swirl
Adjustable Flame	✓	✓	✓	✓	✓	✓	✓	✓
Propane Gas	✓	✓	✓	✓	✓	✓	✓	✓
Super-MAP Gas		✓	✓	✓	✓	✓	✓	✓
Ignition		✓	✓	✓	✓	✓	✓	✓
Flame Lock							✓	✓
Ignition Lock							✓	✓
Interchangeable Head								✓

## Accessories

### HELPING HANDS

### MODEL: PHHM

Designed with the hobbyist in mind and not just for soldering work. Also great for hobby arts and crafts projects, model building, painting miniatures, macro photography, needlepoint work, engraving, jewellery cleaning, splinter removal and so much more.

- Heavy-duty cast iron base
- 60mm diameter 2.5x magnifying glass
- 6 ball joints for all angles
- Nickel-plated fittings
- Alligator spring clips
- Locks at any angle



### DESOLDERING PUMP

### MODEL: PDP

This manually operated vacuum pump is an essential tool when replacing electronic components. It will remove molten solder from circuit boards, making component replacement very easy. The pump is simple to operate and easy to clean.

- Long life teflon nozzle
- Simple operation
- Compact design
- Powerful spring



# Gas

## BUTANE GAS REFILL

MODEL: PBGR



The 300ml Butane Gas Torch Refill is designed to quickly refuel Peri Cordless Soldering Irons, Blow Torches, Micro Torches and other devices powered by butane. The cap has 5 different adaptor tips allowing connection to many different butane devices. Butane has a flame temperature of 1350°C making it ideal for various around-the-house jobs.

- Net contents 300ml
- Purified Butane gas / lighter fluid
- Steel nozzle
- Universal adaptors on cap
- Butane 45%, ISO Butane 28%, Propane 26%



## BUTANE GAS CARTRIDGE

MODEL: PBGC

The 220g Butane Gas Cartridge has a bayonet mount which is designed to attach to Butane devices such as the Peri Blow Torch and other devices powered by butane. The cartridge always remains attached while the device is in use, but can be easily removed due to the bayonet mount being self-sealing. Butane has a flame temperature of 1350°C making it ideal for various around-the-house jobs.

- Net weight 220g
- Bayonet mount
- Butane 45%, ISO Butane 28%, Propane 26%



Ideal for  
PBBT-H  
gas torch  
page 8



## PROPANE GAS

MODEL: PPGC

The Propane Gas Cylinder is designed to fit gas devices with a CGA600 screw connector. The durable steel cylinder is easy to hold and operate. Propane has a flame temperature of 1750°C making it ideal for jobs where a hotter flame is required.

- Designed for use with all standard propane torches
- Non refillable
- Net contents 400g



## SUPER-MAP GAS

MODEL: PSMGC

The Super-MAP Gas Cylinder is designed to fit gas devices with a CGA600 screw connector. The durable steel cylinder is easy to hold and operate. Super-MAP has a flame temperature of 1950°C making it ideal for jobs where a hotter flame than Propane is required.

- Designed for use with all standard MAP gas torches
- Non refillable
- Net contents 400g



## Gas Types

### BUTANE GAS

Up to 1350°C

**Butane** torches have a lower temperature flame which makes them ideal for domestic use around the house for cooking and craft use.

**Excels in the Kitchen:**

- Crème Brûlée
- Flambeing
- Caramelising
- Browning meat fish chicken
- Blistering and skinning
- Adding colour and texture
- Smoking cocktails
- Adding drama when serving

**Ideal for:**

- Electrical soldering
- Lighting BBQs & fires
- Wood engraving
- Heat shrinking

### PROPANE GAS

Up to 1750°C

**Propane** torches have a much hotter flame which means they are more suitable for use on durable materials such as metals.

**Ideal for:**

- Soldering
- Stripping caulking
- Lighting BBQs & fires
- Loosening rusty nuts
- Thawing frozen locks & pipes
- Softening putty
- Stripping paint off metal
- Searing meat & veges

### SUPER-MAP GAS

Up to 1950°C




**Super-MAP** torches are designed for larger, hotter jobs such as soldering large diameter copper pipe, brazing, welding or heat-treating.




**Ideal for:**

- Brazing
- Soldering copper
- Light welding
- Stripping caulking
- Heat treating
- Loosening rusty nuts
- Thawing frozen locks & pipes
- Stripping paint off metal
- Softening putty
- Creating patina wood finish
- Lighting BBQs & fires
- Lighting charcoal grill

# Application Guide

Application	Model	Mains				Battery	Butane						Propane									
		5	5	5	5		4	4	2	3	2	3	8	8	Super-MAP							
															9	9	14	10	10	14	11	11
Catalogue page	5	5	5	5	4	4	2	3	2	3	8	8	9	9	14	10	10	14	11	11	12	
Supplied with							B	B	B	B			P	P		M	M		M	M	M	
Application	Model	PSI2040W	PSI3060W	PSI50100W	PRBSI	PSIBT-4K	PSIBT-11K	PMGT	PFL	PMWL	PFWL	PBBT-H	PGT	PBT-PK	PSHT-PK	PSHT-H	PSHPT-MK	PPGBT-MK	PBTTH-H	PMPT-MK	PAPT-MK	PAPT-MKIT
Soldering electronic circuits		✓	✓	✓	✓	✓	✓															
Wood engraving		✓	✓	✓	✓	✓	✓															
Detail work		✓	✓	✓	✓	✓	✓					✓										
Jewellery design and repair		✓	✓	✓	✓	✓	✓							✓								✓
General small diameter soldering		✓	✓	✓	✓	✓	✓					✓		✓								✓
Light / heavy duty heat shrinking						✓	✓	✓		✓	✓	✓		✓								✓
Cooking / meat searing								✓		✓	✓	✓	✓	✓								✓
Camping / BBQ lighting								✓	✓	✓	✓	✓	✓	✓								
Lighting outdoor fires and bonfires								✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thawing frozen pipes and locks												✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Soldering copper pipes (up to 20mm)															✓	✓	✓	✓	✓	✓	✓	✓
Loosening rusted nuts and bolts												✓			✓	✓	✓	✓	✓	✓	✓	✓
Stripping paint, caulk and putty															✓	✓	✓	✓	✓	✓	✓	✓
Soldering copper pipes (over 20mm)															✓	✓	✓	✓	✓	✓	✓	✓
Brazing copper pipes															✓	✓	✓	✓	✓	✓	✓	✓
Brazing steel															✓	✓	✓	✓	✓	✓	✓	✓
Light welding															✓	✓	✓	✓	✓	✓	✓	✓

-  AC 240v
-  Lithium battery
-  Butane gas

-  Propane gas
-  Super-MAP gas
-  Either Propane or Super-MAP gas

# Soldering vs Brazing vs Welding

SOLDERING, BRAZING and WELDING are all techniques to join two or more pieces of metal together. They differ in their capabilities and the skills needed to use them.

**SOLDERING** is the easiest of the three methods but produces the weakest joint. It is mainly used in electronics where the joint provides excellent conductance of electricity and also in non-stress situations such as plumbing and jewellery making. Soldering uses a lower temperature than the others (~450°C).

**BRAZING** is basically the same as soldering but it gives a much stronger joint than soldering. The principal difference is the use of harder filler material. A greater variety of materials can be joined such as aluminium, silver, copper, gold, and nickel. Dissimilar metals can be joined such as steel to bronze. Brazing is easier than welding and requires a lower temperature (~600°C).

**WELDING** creates the strongest joint between two metal pieces of the same metal and is the preferred method of joining iron, steel, brass, bronze and copper. Welding is the most difficult to get right and requires some practice to become proficient. The joint can be stronger than the original metals if done correctly. Welding requires the hottest temperature (upwards of 1950°C).

	Soldering 	Brazing 	Welding 
Tool Options	<ul style="list-style-type: none"> <li>Soldering iron</li> <li>Small gas torch (Butane gas)</li> </ul>	<ul style="list-style-type: none"> <li>Gas torch (Propane or Map gas)</li> </ul>	<ul style="list-style-type: none"> <li>Gas torch (Oxyacetylene)</li> <li>MIG arc</li> <li>TIG arc</li> <li>Stick arc</li> </ul>
Strength	<ul style="list-style-type: none"> <li>Weakest joint of the three</li> <li>Not able to bear weight</li> </ul>	<ul style="list-style-type: none"> <li>Stronger than soldering</li> <li>Weaker than welding</li> <li>Can bear some load</li> </ul>	<ul style="list-style-type: none"> <li>Strongest joint</li> <li>Can bear considerable loads</li> <li>Strength of the welded joint can exceed the strength of the base metal</li> <li>Stick arc is the strongest</li> </ul>
Working Temperature	<ul style="list-style-type: none"> <li>Around 450°C</li> </ul>	<ul style="list-style-type: none"> <li>Around 600°C</li> </ul>	<ul style="list-style-type: none"> <li>1950°C or more</li> </ul>
Workpiece Heating	<ul style="list-style-type: none"> <li>Workpieces do not need to be heated although preheating is beneficial</li> </ul>	<ul style="list-style-type: none"> <li>The workpiece is heated but below the melting point of the metal</li> </ul>	<ul style="list-style-type: none"> <li>The workpiece needs to be heated to melting point in order to make a join</li> </ul>
Metal Properties	<ul style="list-style-type: none"> <li>No change in mechanical properties after joining</li> </ul>	<ul style="list-style-type: none"> <li>The mechanical properties of the joint may change, but it is almost negligible.</li> </ul>	<ul style="list-style-type: none"> <li>The mechanical properties of the base metal may vary in the joint space due to heating and cooling</li> </ul>
Ease of Use	<ul style="list-style-type: none"> <li>Easy to master</li> </ul>	<ul style="list-style-type: none"> <li>Slightly more difficult, especially with aluminium brazing where technique is important</li> </ul>	<ul style="list-style-type: none"> <li>Varies. MIG is easier to learn. TIG is difficult. Gas and Stick are in between.</li> </ul>
Advantages	<ul style="list-style-type: none"> <li>Easy to do and very cheap</li> </ul>	<ul style="list-style-type: none"> <li>Dissimilar metals and parts having a thin section can be joined</li> <li>Pressure-tight joints</li> <li>Economical and quick process</li> </ul>	<ul style="list-style-type: none"> <li>Creates the strongest joints on the same metal</li> </ul>
Applications	<ul style="list-style-type: none"> <li>Electronic circuit boards</li> <li>Plumbing</li> </ul>	<ul style="list-style-type: none"> <li>Fastening of pipe fittings</li> <li>Tank repairs</li> <li>Tool repairs</li> <li>Radiator repairs</li> <li>Art and jewellery</li> </ul>	<ul style="list-style-type: none"> <li>Metal fabrication</li> </ul>
Peri Torches	<ul style="list-style-type: none"> <li>PSIBT-4K.....pg 4</li> <li>PSIBT-11K.....pg 4</li> <li>PRBSI.....pg 5</li> <li>PSI2040W.....pg 5</li> <li>PSI3060W.....pg 5</li> <li>PSI50100W.....pg 5</li> </ul>	<ul style="list-style-type: none"> <li>PBT-PK.....pg 9</li> <li>PSHT-PK.....pg 9</li> <li>PSHPT-MK.....pg 10</li> <li>PPGBT-MK.....pg 10</li> <li>PMPT-MK.....pg 11</li> <li>PAPT-MK.....pg 11</li> <li>PAPT-MKIT.....pg 12</li> <li>PSHT-H.....pg 14</li> <li>PBTTH-H.....pg 14</li> </ul>	<ul style="list-style-type: none"> <li>No Peri torches available</li> </ul>



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