

# **portasol**<sup>®</sup> Professional Technician and Service Repair Tool Specialists



Product of Ireland

*portasol* from the makers of the original orange gas soldering iron the 'Technic' in 1984

**[www.portasol.com](http://www.portasol.com)**



# **portasol<sup>®</sup>**

*Professional Technician and Service Repair Tool Specialist*

Iconic in technicians's toolboxes throughout the world, the original orange Technic was launched and developed in 1984 by twin brothers Peter (CEO) and Paul Oglesby in County Carlow, Ireland. Its convenience and portable power quickly made it a favourite among service technicians and repair professionals everywhere. Today, these same traits are true of all Portasol<sup>®</sup> products, which are still manufactured in Carlow. We manufacture 98% of our components in-house, which ensures the highest level of quality.

From the very beginning quality has been the cornerstone of our philosophy and there are three key reasons why our Portasol<sup>®</sup> products are renowned for their reliability and durability:

- **All our gas powered tools are made with DuPont<sup>®</sup> engineered plastics, which are tested for compatibility with butane. This prevents tool deterioration and increases its durability and life.**
- **Our products feature ultrasonically welded gas tanks which also extends the life of our tools by preventing gas leaking on exposure to impact, UV light and hot/cold temperatures.**
- **All Portasol<sup>®</sup> soldering irons are tested by our experts for two weeks before final set, ensuring that every product is in perfect working condition with reliable ignition and adjustable temperature control.**

Portasol<sup>®</sup> soldering kits come in different power settings: the popular 'SuperPro 125' and the compact, versatile 'Pro Piezo 75'. Each kit comes with seven tips. We manufacture a cordless range of gas torches, including the 'Torch 820' with a massive 2,797 BTU/h flame power. We have also introduced a Plastic Welding kit – our latest cordless innovation.

You'll find information on all of these products in this brochure, as well as an index of tips, spare parts and accessories.

*"Probably the best gas irons in the world are made by Oglesby & Butler, in Ireland"*

*Dansdata Independent online reviewer*

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***portasol***<sup>®</sup>

Professional Technician and Service Repair Tool Specialists

Single: **Model # SP-1**

Kit: **Model # SP-1K**

*Professional Gas  
High Power Adju*

## **SuperPro** **125**

- 4 tip multi kit
- Click-to-ignite
- 2 hour run time
- Ready to melt solder less than 30 seconds from ignition
- Flameless combustion (solder & hot air modes)



**SuperPro 125 fitted with:**  
Hot air blower & deflector, 2.4mm df tip, 4.8mm df tip, hot knife, cleaning sponge, storage case and instructions.

Patented  
front end



Contents of SP-1K

# Soldering Iron stable 25-125 Watts

## SuperPro 125

### The Portasol Advantage

- Unique patented front end provides extra durability
- Ultrasonically welded gas tanks prevent gas leaking on exposure to impact, UV light or hot and cold temperatures
- Butane compatible nylons and acetyls (plastics) carefully tested to ensure our products are safer, reliable and last longer

Anti-static / ESD safe, this tool will be a versatile addition to your toolbox.

Professional Technicians and Tool Users around the world rely on the SuperPro 125 kit for versatile and durable power in the following industries:

- Automotive
- Maintenance and repair
- Service trades
  - Aircraft
- Electronics
  - Marine

*Durable all round  
favorite*



Kit: Model # SP-1K



Single: Model # SP-1

A selection of soldering spare tips and parts



### Temperature Ranges:

Solder tip up to:	580°C/1075°F
Blow Torch up to:	1300°C/2373°F
Hot air up to:	625°C/1157°F
Hot knife up to:	580°C/1075°F



**Kit: Model # PP75**

*Transfers Heat Through*



**Contents:**

- Cordless soldering iron
- Plastic welding tip
- Brass brush
- Allen key
- Cleaning piston
- Reinforcement grid
- 5 x 20cm Polyethylen (PE) welding rods
- 5 x 20cm Polystyrol (PS) welding rods
- 5 x 20cm Polypropylen (PP) welding rods
- 5 x 20cm Acrylnitril-Butadien-Styrol (ABS) - welding rods
- Instruction leaflet

Plastic welding tip



# Contact Versus Hot Air

## The Portasol Advantage

- Welding can be carried out next to heat sensitive parts e.g. cables, foams and textiles
- Thin plastic parts and sheets can be welded, no uncontrolled heat transfer which means less wrinkles in parts to be welded
- No oxidation of parts by hot air
- Problematic plastics that absorb water are easier to weld, e.g. ABS, PC and PA plastics
- Short distance from tip to grip - gets you closer to your work
- Unique patented front-end provides extra durability
- Cordless
- Easy to learn and practice without special training
- It makes no noise
- It is light weight and transfers heat through contact versus hot air
- Reinforcement grid for extra strength or where a hole needs to be filled

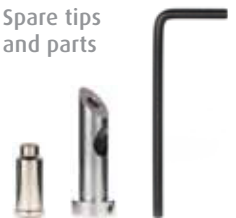
## Plastic Welding Kit

A portable, compact and easy to use kit developed specifically for professionals for repairing plastic components e.g. car bumpers, motorbike fairings. Popular kit for hobbyists in the modelling and slot car industries and also for repair of sports equipment such as canoes, kayaks and skis.

*No special training needed*



Spare tips and parts



Kit: Model # PP75

Single: **Model # PP-1**

Kit: **Model # PP-1K**

*Professional Gas  
Medium Power A*

## **ProPiezo** **75**

- 4 tip multi kit
- Click-to-ignite
- 60 minute run time
- Anti static ESD safe
- Adjustable temperature control



ProPiezo 75 fitted with:  
2.4mm df tip, hot air blower & deflector, hot knife, flame tip, cleaning sponge,  
stand, storage case and instructions.

ProPiezo 75 with  
2.4mm df tip



Contents of PP-1K



# Soldering Iron Adjustable 15-75 Watts

## The Portasol Advantage

- Short distance from tip to grip - gets you closer to your work
- Unique patented front end provides extra durability
- Ultrasonically welded gas tanks prevent gas leaking on exposure to impact, UV light or hot and cold temperatures
- Butane compatible nylons and acetyls (plastics) carefully tested to ensure our products are more reliable, safer and last longer

## ProPiezo 75

Technicians and Service Repair Professionals choose the ProPiezo 75 kit for versatile and compact power. Ideal for use in the following industries:

- Electronics
- Maintenance and repair
- Service trades
  - Aircraft
  - Automotive
  - Marine



Kit: Model # PP-1K



Single: Model # PP-1

A selection of soldering spare tips and parts



### Temperature Ranges:

Solder tip up to:	580°C/1075°F
Blow Torch up to:	1300°C/2373°F
Hot air up to:	625°C/1157°F
Hot knife up to:	580°C/1075°F

## Model # HP820

## High Power Butane Torch

### Torch820

- Adjustable flame length up to 12cm
- Welded stainless steel head protects the burner
- 45 minute run time
- Temperature up to 1350°C (2,462°F)
- Powerful broad wind resistant flame
- 2,797 BTU/h flame power adjustable
- Flame adjustment button
- 10 second refill gas view window
- Click-to-ignite
- Safety button



Jet assembly Torch 820



Compact, lightweight 7oz torch. High power for hard to reach areas.



# Adjustable 50-820 Watts

## Torch820

### The Portasol Advantage

- Extra-strong welded stainless steel torch head built to protect the burner
- Ultrasonically welded gas tanks prevent gas leaking on exposure to impact, UV light or hot and cold temperatures
- Butane compatible nylons and acetyls (plastics) ensure our products are more reliable, safer and last longer

### Applications:

- Soldering joints, plumbing and brazing
- Heat shrink tubing, paint stripping
- Loosening frozen or rusted nuts and bolts
- Air conditioning

*Massive 2,797  
BTU/h flame  
power*



Model # HP820

**Model # GT220**

*Medium Power Butane Torch*

## **Torch**220

- Adjustable flame length up to 9cm
- 60 minutes continuous use at mid setting
- Flame temperature up to 1350°C (2,462°F)
- 2 step safety electronic ignition system
- Wind resistant flame
- Powerful flame
- Flame adjustment button
- Click-to-ignite
- Safety button
- 10 second refill gas level window
- 75 minute run time



Jet assembly Torch 220



Compact, lightweight 7oz medium power torch.





# Adjustable 50-220 Watts

## Torch220

### The Portasol Advantage

- Ultrasonically welded gas tanks prevent gas leaking on exposure to impact, UV light or hot and cold temperatures
- Butane compatible nylons and acetyls (plastics) ensure our products are more reliable, safer and last longer

### Applications:

- Soldering joints and brazing
- Heat shrink tubing, paint stripping
- Heating and bending thin metal
- Loosening frozen or rusted nuts and bolts
- Fusing rope ends

751 BTU/h  
flame power



Model # GT220



Single: **Model # P-50**

Kit: **Model # P-50K**

**portasol<sup>®</sup>50**

- Cordless original flint ignition
- 50 watts equivalent (fixed temperature)
- 40 min. run time between refills
- 10 second refill
- Up to 370°C (700°F)

### The Portasol Advantage

- Portasol 50 features a unique and distinctive tip system in which tiplets are attached to a replaceable heater, thereby reducing the cost of spare tiplets
- Ultrasonically welded gas tanks prevent gas leaking on exposure to impact, UV light or hot and cold temperatures
- Butane compatible plastics ensure Portasol products are more reliable, safer and last longer

**portasol<sup>®</sup>50**

An economical tool used by semi-professionals and hobby / DIY enthusiasts the world over.



Portasol 50 fitted with:  
2.4mm chisel tiplet, clear safety cap with built-in ignitor,  
4.8mm df tiplet, knife tiplet and fine solder tiplet,  
cleaning sponge, wire stand, storage case and instructions.



## Model # MK-1

### TECHNIC

- Cordless flint ignition
- Adjustable power 10-60 watts
- 60 min. run time between refills
- Short tip to grip
- Refill time 10 seconds
- Selection of 5 Nickel plated soldering tips available with a max. temperature of 400°C (752°F)

### The Portasol Advantage

- The original and first pocket portable 'pen like' cordless gas soldering iron
- Ultrasonically welded gas tank prevents gas leaking on exposure to impact, UV light or hot and cold temperatures
- Butane compatible nylons and acetyls (plastics) ensure our products are more reliable, safer and last longer

### TECHNIC

The original and first orange gas soldering iron launched in 1984. Iconic in tool boxes the world over the 'pen-like' Technic is standard issue in many telecom authorities and continues to be a very popular seller among service technicians, repairs professionals and electricians.



A selection of soldering spare tips



Single: **Model # P-1**

Kit: **Model # P-1K**

## ***Professional***

- Cordless flint ignition
- Adjustable power 10-60 watts
- 60 min. run time between refills
- Gas level window
- Refill time 10 seconds
- Short tip to grip
- Selection of 11 Nickel and iron plated soldering tips available with a max. temperature of 400°C (752°F)

### **The Portasol Advantage**

- Original and compact cordless gas soldering iron and professional kit
- Ultrasonically welded gas tank prevents gas leaking on exposure to impact, UV light or hot and cold temperatures
- Butane compatible nylons and acetyls (plastics) ensure our products are more reliable, safer and last longer

## ***Professional***

The original multi-function gas soldering kit, popular with service repair technicians for its versatility and ease of use.  
Ideal for use in the following industries:

- Electronics
- Maintenance and repair
- Service trades
- Marine
- Automotive



Professional soldering iron fitted with:  
2.4mm sf tip, focus hot blow tip, hot knife tip, flame tip,  
cleaning sponge and tray, wire stand and instructions.



A selection of soldering  
spare tips and parts



**Micro: Model # SR3A/M**  
**Standard: Model # SR3A/S**  
**Anti-static: Model # SR3A/ASN**

## **Desolder** *Pumps*

- Robust aluminium tubing (black anodised) creates a constant seal for stronger suction
- Spring loaded rapid pump action
- Safety guard

### **The Portasol Advantage**

- Robust one handed operation desoldering pumps featuring spring loaded piston, aluminium tubing and a range of 3 different nozzles

## **Desolder** *Pumps*

Desoldering pump or Solder Suckers perfect for removing both solder and components from a circuit for troubleshooting and repair purposes, component replacement and salvaging components.

### **Micro: Model # SR3A/M**

1.7mm Micro Nozzle for more precise or delicate work



Spare parts



### **Standard: Model # SR3A/S**

2.0mm Standard Nozzle



### **Anti-static: Model # SR3A/ASN**

Anti-static Nozzle



## Model # Dehorner III

## Cordless Gas Dehorner

### Dehorner<sup>III</sup>

With added new features and extra-durability, Calf dehorner III from Portasol® is the perfect tool for dehorning young calves 3-8 weeks old.

Removing the pre-emergent horn (debudding) is the most humane and efficient way to eliminate horn tissue in calves. This method of dehorning both kills horn growth and controls bleeding by cauterising the blood vessels while minimising potential of infection.

Designed for and by farmers and veterinary surgeons, Dehorner III makes it possible to dehorn and debud anywhere - in the field, in the pen, in the barn.



Dehorner III  
*Standard*



Dehorner III  
*with  
Repair Kit*





# Adjustable Up To 225 Watts

## Dehorner<sup>111</sup>

New and improved Cordless Gas Calf Dehorner with superior heat retaining properties enabling more efficient and faster debudding. Portasol® Dehorner III is the debudder of choice for farmers, stockpersons and veterinary professionals worldwide.

### The Portasol Advantage

- Increased strength of working head with the addition of 20mm stainless steel
- New ignition system featuring both Click-to-ignite and now also manual ignition
- 30% extra protection of the new ignition system using the latest in ceramic technology

#### Technical Specifications:

Length:	238mm
Weight:	330g
Operating Time:	45 min.
Tip Temperature:	650°C/1200°F max.
Refill Time:	20 sec.
Gas Type:	Butane Lighter Fuel
Tip Selection:	2
Fitted Ignitor:	Click-to-ignite and optional manual ignition

Copper bud removers for rapid heat - temperature up to 650°C/1200°F



jet assembly



15mm Dehorner tip



18.5mm Dehorner tip

Dehorner 111



# Products tips and parts

Single: **Model # SP-1** Kit: **Model # SP-1K**



SPT-1  
1.0mm  
1.0sf



SPT-2  
2.4mm  
2.4sf



SPT-3  
3.2mm  
3.2sf



SPT-4  
4.8mm  
4.8sf



SPT-5  
1.0mm  
1.0df



SPT-6  
2.4mm  
2.4df



SPT-7  
3.2mm  
3.2df



SPT-8  
4.8mm  
4.8df



SPT-9  
Hot Air

Single: **Model # PP-1** Kit: **Model # PP-1K**



PPT-1  
1.0mm  
1.0sf



PPT-2  
2.4mm  
2.4sf



PPT-3  
3.2mm  
3.2sf



PPT-4  
4.8mm  
4.8sf



PPT-5  
1.0mm  
1.0df



PPT-6  
2.4mm  
2.4df



PPT-7  
3.2mm  
3.2df



PPT-8  
4.8mm  
4.8df



PPT-9  
Hot Air

**Model # PP75**



Allen Key



PPT-9  
Hot Air



WT-1  
Welding

**Plastic  
Welding Kit**

## SuperPro 125



SPT-10  
Knife



SPT-12  
Deflector



SPT-16  
Front End  
Burner



SPT-17  
Jet Venturi



SPT-18  
Collet & Sleeve



P50T-9  
Sponge & Tray



SPT-15  
Wire Stand



PPT-10  
Hot Knife



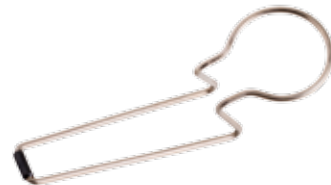
PPT-12  
Flame



PPT-13  
Deflector  
& Hot Air



P50T-9  
Sponge & Tray



P50T-8  
Extra Wire Stand

## ProPiezo 75

Model # HP820

## Torch820



HP820-1  
Jet Assembly

Model # GT220

## Torch220



GT220-1  
Jet Assembly

# Products tips and parts

Single: **Model # P-50** Kit: **Model # P-50K**



P50T-2  
Fine  
Tiplet



P50T-3  
2.4mm  
2.4 Chisel



P50T-4  
4.8mm  
4.8 Tiplet



P50T-6  
Knife



P50T-1  
Heater



P50T-9  
Sponge & Tray

Single: **Model # P-1** Kit: **Model # P-1K**



T-1  
1.0mm  
1.0sf



T-2  
2.4mm  
2.4sf



T-3  
3.2mm  
3.2sf



T-4  
4.8mm  
4.8sf



T-5  
Flame

**Model # SR3A/M; SR3A/S; SR3A/ASN**



1.7mm  
Micro Nozzle



2mm  
Standard Nozzle



Anti-static Nozzle

**Desolder**  
*Pumps*

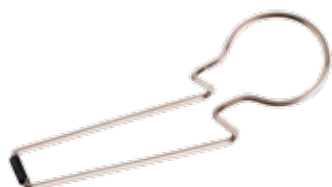


Jet Assembly

**portasol<sup>50</sup>**

**Model # MK-1**

**TECHNIC**



P50T-8  
Extra Wire Stand



MK1-1  
1.0mm  
1.0sf



MK1-2  
2.4mm  
2.4sf



MK1-3  
3.2mm  
3.2sf



MK1-4  
4.8mm  
4.8sf



MK1-5  
Knife

**Professional**



T-6  
Hot Air



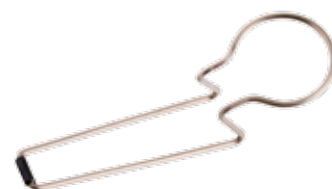
T-7  
Knife



Ski Repair



P50T-9  
Sponge & Tray



P50T-8  
Extra Wire Stand

**Model # Dehorner III**

**Dehorner<sup>III</sup>**



15mm



18.5mm



D3  
Repair Pack



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