

portasol[®] Professional Technician and Service Repair Tool Specialists



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

www.portasol.com



portasol®

Professional Technician and Service Repair Tool Specialist

Iconic in technicians toolboxes throughout the world, the original orange Technic was launched and developed in 1984, in County Carlow, Ireland. Its convenience and portable power quickly made the Technic a favourite among service technicians and repair professionals everywhere. Today, these same traits are true of all Portasol® 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® products are renowned for their reliability and durability:

- **All our gas powered tools are made with DuPont® 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® 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® 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[®]

Professional Technician and Service Repair Tool Specialists

Single: **Model # SP-1**

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

*Professional Gas Soldering Iron
High Power Adjustable 25-125
Watts*

SuperPro *125*

- 7 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, 1/32" (1.0mm) df tip, 3/32" (2.4mm) df tip, 1/8" (3.2mm) df tip, 3/16" (4.8mm) df tip, hot knife, flame tip, cleaning sponge, storage case and instructions.

Patented front end



Contents of SP-1K

SuperPro 125

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

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.



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 Contact Versus Hot Air



- Contents:**
- Cordless soldering iron
 - Plastic welding tip
 - Brass brush
 - Allen key
 - Cleaning piston
 - Reinforcement grid
 - 5 x 8" Polyethylen (PE) welding rods
 - 5 x 8" Polystyrol (PS) welding rods
 - 5 x 8" Polypropylen (PP) welding rods
 - 5 x 8" Acrylnitril-Butadien-Styrol (ABS) - welding rods
 - 5 x 8" Acrylnitril-Butadien-Styrol (ABS) - nude color welding rods
 - Instruction leaflet

Plastic welding tip



Plastic Welding Kit

The Portasol Advantage

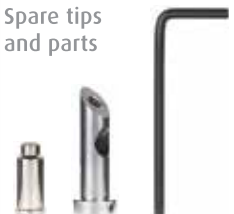
- Welding can be carried out next to heat sensitive parts e.g. cables, foams and textiles
- Thin plastic parts and sheets can be welded, no uncontrolled heat transfer which means less wrinkles in parts to be welded
- No oxidation of parts by hot air
- Problematic plastics that absorb water are easier 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

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 Soldering Iron
Medium Power Adjustable 15-75
Watts*

ProPiezo
75

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



ProPiezo 75 fitted with:
1/32" (1.0mm) df tip, 3/32" (2.4mm) df tip, 1/8" (3.2mm) df tip, 3/16" (4.8mm) df tip, hot air blower & deflector, hot knife, flame tip, cleaning sponge, stand, storage case and instructions.

ProPiezo 75 with 3/32" (2.4mm) df tip



Contents of PP-1K

ProPiezo 75

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

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 Adjustable 50-820 Watts

Torch820

- Adjustable flame length up to 4½ inches
- Welded stainless steel head protects the burner
- 45 minute run time
- Temperature up to 2,462°F (1350°C)
- 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.



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 Adjustable 50-220 Watts

Torch220

- Adjustable flame length up to 3½ inches
- 60 minutes continuous use at mid setting
- Flame temperature up to 2,462°F (1350°C)
- 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.



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

Model # Pz50

Medium Power Soldering Iron 50 Watts

Pz50

- Click To Ignite
- 60 Minute Run Time
- ESD Safe
- Ready To Melt Solder Less Than 30 Seconds From Ignition
- Tiplet temperature of 580°C

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

Pz50

Our latest soldering iron is designed for both semi-professionals and service repair experts in many industries including:

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



Pz50 Soldering iron fitted with:
Tip Body, 1mm Tiplet, 2.4mm DF Tiplet,
3.2mm DF Tiplet, 4.8 mm DF Tiplet, Hot
Knife Tiplet & Instructions



A selection of soldering spare tips
and parts available



Model # Pz50PWK

Medium Power Plastic Welding Kit

Pz50

- Click To Ignite
- 60 Minute Run Time
- ESD Safe
- Ready To Plastic Weld 30 Seconds From Ignition
- Tiplet temperature of 580°C

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

Plastic Welding Kit

The Pz50 plastic welding kit is a cordless butane gas powered repair tool. The Pz50 is a portable, compact and easy to use kit and suits a wide variety of projects and areas including:

- Small intricate repairs
- Maintenance and repair
 - Service trades
 - Aircraft
 - Automotive
 - Marine
 - DIY
 - Hobbyists
- Sports Equipment

The Pz50 Plastic Welding Kit includes:
Pz50 fitted with a Stainless-Steel. Hot air tip, Plastic welding tip, 5 x Universal repair rods, 5 x ABS Black repair rods (ABS), 5 x Polypropylene repair rods (PP), 5 x Polyethylene repair rods (PE), 5 x Polystyrene repair rods (PS), Reinforcement grid, Instructions



Professional Gas Multi-Tool Kits Medium Power Adjustable 15-75 Watts

Model # PP-H / PP-F / PP-M



ProPiezo 75

- Click To Ignite
- 60 Minute Run Time
- Adjustable Temperature Control
- ESD Safe
- Ready To Use 30 Seconds From Ignition
- Tipllet temperature of 580°C

The ProPiezo 75 Hardware, Farming and Marine kits include:
ProPiezo Iron fitted with a 2.4mm DF Tip, Stainless steel hot blow tip, Hot knife tip, Plastic welding tip, Universal plastic repair rod and a cleaning sponge.

Hardware / Farming / Marine Kits

The ProPiezo 75 Hardware, Farming and Marine kits have been designed as industry specific multi-tools. From technicians and specialists to DIY repairs, these kits are essential to every toolbox. The specialist kits can be used for soldering, plastic welding, cutting, heat shrinking and much more. The kits can be used in a multitude of areas including:

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



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 752°F (400°C)

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:
3/32" (2.4mm) sf tip, focus hot blow tip, hot knife tip, flame tip,
cleaning sponge and tray, wire stand and instructions.



Model # Dehorner III

Cordless Gas Dehorner Adjustable Up To 225 Watts

Dehorner III

With added new features and extra-durability, Calf Dehorner III from Portasol® is the perfect tool for dehorning herds of 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



Dehorner III
with Repair
Kit & Spare
15mm Tip



Dehorner^{III}

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

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.

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



jet assembly



15mm Dehorner tip



18.5mm Dehorner tip



12.5mm Dehorner 3 Goat tip



Products tips and parts

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

								
SPT-1 1/32" 1.0sf	SPT-2 3/32" 2.4sf	SPT-3 1/8" 3.2sf	SPT-4 3/16" 4.8sf	SPT-5 1/32" 1.0df	SPT-6 3/32" 2.4df	SPT-7 1/8" 3.2df	SPT-8 3/16" 4.8df	SPT-9 Hot Air

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

								
PPT-1 1/32" 1.0sf	PPT-2 3/32" 2.4sf	PPT-3 1/8" 3.2sf	PPT-4 3/16" 4.8sf	PPT-5 1/32" 1.0df	PPT-6 3/32" 2.4df	PPT-7 1/8" 3.2df	PPT-8 3/16" 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
Flame



SPT-13
Hot Air &
Deflector



SPT-18
Retainer Tube
Collet



P50T-9
Sponge & Tray



SPT-15
Wire Stand

ProPiezo 75



PPT-10
Hot Knife



PPT-12
Flame



PPT-13
Hot Air &
Deflector



P50T-9
Sponge & Tray



P50T-8
Extra Wire Stand

Model # HP820

Torch₈₂₀



HP820-1
Jet Assembly

Model # GT220

Torch₂₂₀



GT220-1
Jet Assembly

Products tips and parts

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

Professional



T-6
Hot Air



T-7
Knife



Ski Repair



P50T-9
Sponge & Tray



P50T-8
Extra Wire Stand

Model # Dehorner III

Dehorner III



15mm



18.5mm



D3
Repair Pack



Jet Assembly

Model # Pz50



Pz50 Starter Pack
(Assorted plastic repair rods)



Plastic Welding Rods (25 per pack)



Solder Tube 1mm

Part Number	Description	STK - Model #
011287130	ABS Welding rod Natural	7011004
011287140	ABS Welding rod Black	7011003
011287210	ABS-PC Welding rod Black	7021003
011287200	ASA Welding Rod Black	7031003
011287120	PA-6 Welding rod Natural	7041004
011287160	PC Welding rod Transparent	7051003
011287090	PE Welding rod Black	7061003
011287230	PET Welding rod Transparent	7141010
011287110	PP Welding rod Black	7071003
011287190	PP-EPDM Welding rod Natural	7081003
011287220	PP-flex Welding rod Natural	7091003
011287100	PS Welding rod Black	7101004
011287150	PVC rigid Welding rod White	7111004
011287180	PVC soft Welding rod Natural	7121003
011287170	TPE Welding rod Black	7131003
014387010	Pz50 Plastic Welding rod starter pack	Pz50PWR-STRPK
010587180	Soldertube, 1mm	ST-1
14387020	UNIVERSAL WELDING ROD 25PK	UWR-1

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