

# WELDING MACHINES

## Our Welding Page!

Times have moved on since scenery was built from wood and canvas and we admit we were a bit sluggish keeping up! After a great deal of research, we selected a really excellent range of Welding Machines from GYS. GYS are a very successful French company with 430 employees and a 16,700 m<sup>2</sup> factory in Laval, France. They have a cutting edge R&D department with 30 researchers. The welding machines that GYS build are not only of the highest reliable quality but are packed with leading edge technology. We are sure that you will enjoy working with these superior machines.

## ARC WELDER – INVERTER TECHNOLOGY



Just  
4.1 kg!

**GYSMI 160 P** This welding unit with inverter technology is piloted by a microprocessor. The arc dynamic of the product is unique and revolutionary on the market. It can be used with all types of electrodes: rutile, basic, stainless steel, and cast iron in direct current. It is a very handy unit, thanks to its low weight, its

highly reduced volume and its very low consumption.

- ✓ Immediate start thanks to its very high no-load voltage
- ✓ Constant welding power
- ✓ Very smooth melting due to the direct current
- ✓ Not sensitive to supply current fluctuations or to the arc length
- ✓ Very good penetration and perfect arc stability

**Arc Force:** fast increase of current in difficult welding situations

**Hot Start:** increased power at start

**Anti Sticking:** anti-sticking process

SPECIFICATION: Power Supply: 230 V x 16 A. 10 A - 160 A. Electrodes from: 1.6 - 4 mm. Generator Power Variation accepted up to 15%+/- . Suitable for steel up to 10 mm thick.

☐ Supplied in a sturdy carrying case with: 1.6 m earth cable, and 2 m electrode cable.

GYSMI 160P	weight	code	list	Tradeline
	4.1 kg	MET030077	£209.00	£169.80

## MIG-MAG WELDING MACHINES



**Smartmig 162 Gas/No Gas** Perfectly suited to working with steel, stainless steel and aluminium sheet. It is easy to adjust the voltage [4 positions] and the wire speed feeding. Just select the type and diameter of the wire and then thickness of

the metal sheet. Its low current consumption even allows it to be plugged into a single domestic 230 V - 13 A socket. The powerful 40 W wire feeder provides constant wire delivery. Adaptable for 100 or 200 mm Ø coils. This machine can be used with or without gas [see ⚡ for regulator].

- ✓ Easy to use intuitive with the "Smart" solution
- ✓ On castors for great manoeuvrability
- ✓ Removable torch to simplify the wire change

SPECIFICATION: Power Supply: 230 V x 13 A. Uses Wire: 0.6 - 0.8 mm with gas or 0.9 mm without gas. 30 - 160 A. Generator Spec: 4.5 kVA

☐ Supplied in a carton with: 2.2 m earth cable, a removable torch and 0.6/0.8 mm steel rollers.

Smartmig 162	weight	code	list	Tradeline
	28.4 kg	MET034297	£460.00	£358.80

## WELDING KIT



**Arc Welder Kit** Ever thought how useful it would be to stick pieces of steel together? Well, now is your chance. The Kit includes the Welding for Dummies book, a top quality easy to use arc welder, 50 electrodes, a pair of gauntlets and a welding helmet. Bargain as this kit is worth £249.79.

SPECIFICATION: Power Supply: 230 V x 16 A. 10 A - 160 A. Electrodes from: 1.6 - 4 mm. Generator Power Variation accepted up to 15%+/- . Earth Cable: 1.6 m. Electrode Cable: 2 m. Suitable for steel up to 10 mm thick.

☐ Kit comes with: GYSMI 160 P Arc Welder, Welder's Gauntlets [T10], 50 x Ø 2.5 mm Electrodes, Flip Flap Welding Helmet.

Arc Welder Kit	code	Tradeline
	MET030077K	£199.00

## WELDING HELMETS



### Flip Flap Welding Helmet

This welding helmet is suitable for all welding except laser, gaz, or Oxy-Acetylene, The flip front [shade 11] is for welding, the fixed clear screen for vision before welding or for grinding. Ideal for MMA up to 150 or

MIG up to 200.

SPECIFICATION: Viewing area: 97 x 80 mm. CE conformity EN 175, EN 166 and EN 168. Weight: 429 g.

Welding Helmet Flip Flap	pack	code	price
Welding Helmet	each	MET042513	£12.30
Spare Screens Internal Tinted	20	MET042698	£6.40
Spare Screens External Clear	20	MET042735	£3.50



### LCD 9.13 G Welding Helmet

This updated welding helmet is designed for ARC, MIG/MAG and TIG welding as it operates from just 10 A upwards. The electro optical filter automatically switches from a clear shade [4] to dark shades [9 to 13] immediately the

arc is formed and switches back to clear as soon as the arc shuts down. Reaction time is 0.3 ms and it returns to clear automatically.

SPECIFICATION: Conformity: EN 379 and EN 175. Weight: 460 g.

LCD 913 G Welding Helmet	pack	code	price
LCD Welding Helmet	each	MET040861	£49.10
Inside Screens [103.5 x 53 mm]	5	MET040786	£2.70
Outside Screens [116.1 x 89.5 mm]	5	MET040779	£3.70

# WELDING ACCESSORIES

## PROTECTIVE GEAR



### Welding Screen and Frame

An economical welding screen to protect bystanders from welding glare.

SPECIFICATION: Compliance EN 1598. 2 m x 2 m.

Screen	weight	code	price
	8.3 kg	MET060227	£109.00



### Professional Welding Apron

A tough leather apron with pouches which will withstand sparks and touching against hot metal.

Welding Apron	code	price
	MET045217	£32.20



### Welder's Gauntlets [T10]

Multipurpose heavy-duty gloves suitable for welding [MMA/MIG/Plasma].

Welder's Gauntlets	code	price
	MET045101	£6.00

## MAGNETIC CLAMPS



**Magnetic Clamps** Choose between, a fixed clamp to hold steel items at 90°, 45°, or 135°, or a double magnet to form any angle. See also Solo Clamps with Metal Feet [page 285].

Magnetic Clamps	code	price
Fixed	MET044203	£6.60
Variable	MET044302	£12.50

## WIRE BRUSHES & CHIPPING HAMMER



### Purdy Cushion Grip Wire Brushes

The short handled brush has unique criss-cross bristles made from rustproof stainless steel. The handle is rubberised for comfort, has a pistol grip, and a hammerhead end. The brush head has side grips so you can really attack your rust. The block brush has a universal threaded end for an extension pole. The rubberised grip is textured so you can change your hand position to prevent fatigue. These brushes are light.

The block brush has a universal threaded end for an extension pole. The rubberised grip is textured so you can change your hand position to prevent fatigue. These brushes are light.

Purdy Wire Brushes	length	weight	code	price
Short Handled Wire Brush	11"	200 g	PBR144910100	£6.85
Block Wire Brush	8"	400 g	PBR144910300	£9.70



**Mini Wire Brush Set** Like oversized toothbrushes these are great for getting at difficult to access places to clean up and de-rust prior to painting. They have a comfortable soft grip handle. One of stainless steel, one of brass and one of nylon.

Length: 175 mm. Bristles: 40 mm x 10 mm wide.

Mini Wire Brush Set	code	price
3 brush set	TOLROU52005	£6.40



**Faithful Wire Brush** A useful good value steel wire brush with plastic handle.

Faithful Wire Brush	code	price
4-Row Wire Brush	MET044241	£2.10



**Economy Wire Brush** We now stock a really good value wire brush with a wooden handle.

Wire Brush	code	price
Three Row	TOL731	£2.77
Four Row	TOL732	£3.20
Four Row with Scraper	TOL734	£4.47



**Chipping Hammer** An economical chipping hammer. Weight: 280 g.

Chipping Hammer	code	price
	MET044159	£4.10

## WELDING MACHINE ACCESSORIES



**Regulator/Flowmeter** Complete with all hoses and connections allowing a high flow of up to 35 L/mn. Suited to UK gas bottles. Great value.

Flowmeter	code	price
Inc hoses + connector	MET041646	£64.40



**Rollers** to weld with larger Ø wires.


Rollers	code	price
for Ø 0.8/1.0 mm steel wire [Smartmig]	MET041189	£11.90
for Ø 0.9/1.0 mm ali wire [Smartmig/Pearl]	MET041196	£11.90



**No Gas Kit** Only for use in windy or outside conditions. The preference should always be to use gas.

No Gas Kit	code	price
for Smartmig	MET041240	£20.30

## WELDING CONSUMABLES

**Electrodes** We stock them for steel but can order for cast iron, stainless steel 308 [for 304] or 316, and aluminium. Please allow 5 days. Most popular electrodes marked with a  for easy restocking.

Electrodes for steel [GY38]	pack size	code	price
Ø 1.6 mm	17	MET084315	£2.60
Ø 1.6 mm	50	MET084414	£5.00
Ø 2.0 mm	13	MET084322	£2.20
Ø 2.0 mm	50	MET084421	£4.90
Ø 2.5 mm	11	MET084339	£2.20
Ø 2.5 mm	50	MET084438	£5.50
Ø 3.2 mm	9	MET084346	£2.30
Ø 3.2 mm	50	MET084445	£7.30
Ø 4.0 mm	8	MET084353	£2.70



**Welding Wire Reels** We stock reels for welding steel but we can easily order reels for welding other materials. Please allow 5 days.

Reels for steel (SG2)	Ø/mm	length	weight	code	price
	Ø 0.6 mm	100 m	900 g	MET086593	£6.50
	Ø 0.6 mm	200 m	5.0 kg	MET086111	£18.95
	Ø 0.8 mm	100 m	900 g	MET086609	£6.25
	Ø 0.8 mm	200 m	5.0 kg	MET086128	£14.45
	Ø 1.0 mm	200 m	5.0 kg	MET086135	£18.10

## SUNDRIES

**Sundries** are listed in more detail elsewhere in the catalogue.

Sundries	pack	code	price
Deb Barrier Cream	100 ml	SAF548314	£3.10
Swarfega Natural Hand Cleaner	450 ml	SAFN450PP	£5.51
Swarfega Orange Hand Cleaner	4 L	SAFSWASOR4LMP	£24.87
Blue Roll	each	SAF582103	£9.33
Methylated Spirit	5 L	PAT502	£12.87
Sparks for the grinder	Box	APRIF	available early April