

Spot welding station (for heavy repairs)

GYS



FUNCTION

Mobile spot welding station providing high-quality spot welds with all new high strength steel (HSS, UHSS, Boron...) up to 3 mm thickness. The inverter, the cables and the clamp are liquid cooled for intensive usage.

DESCRIPTION AND CONTENT

Easy to use : Only 2 parameters to be selected

- Sheet thickness (0,6 mm to 3 mm)
- Type of steel, to choose amongst 4 possibilities

Constant current control
 Electrode force control
 Welding current 13 000 A
 C clamp electrode force: 550 daN with at 8 bar
 X clamp electrode force: 550 daN arms 120 mm at 8 bar
 Lightweight and easy to handle X and C clamps: 5 kg
 Single-sided welding tool with 3 m cable: spot hammer welding, stud/rivet/ring welding, carbon shrinking
 Accessory box
 Support cable bracket with a telescopic arm
 Control display 6''
 Remote control on the clamp
 Traceability: Record on SD card of the characteristics of each welding spot performed and reporting software on PC.

This spot welding station is compliant with the 2004/40 EC directive.

Training: Included

OPTIONS

Set of 6 additional X electrodes : ref 018785
 Set of 3 additional C electrodes : ref 019126
 Additional X and C electrodes available
 see electrodes references on the Gys website www.gys.fr
 cover : ref 050853

CHARACTERISTICS

		BP.LC	BP.LX	BP.LCX
Type of clamps		C	X	X and C
Transformer place		Machine	Machine	Machine
Welding intensity : I_{rms} (A)		13 000	13 000	13 000
Tightening force at the electrodes (at 7 bar)		500 daN	500 daN	500 daN
Type of cooling		Liquid	Liquid	Liquid
Manual/Automatic intensity stabilization for welding		Automatic	Automatic	Automatic
Diameter of the electrode arm (mm)		25	25	25
Number of electrode sets		One in standard	One in standard	Two in standard
Type of display		6'' Graphic display	6'' Graphic display	6'' Graphic display
Integrated pre-programs	Number	4	4	4
	Type	Mild steel /HSS/VHSS/UHSS	Mild steel /HSS/VHSS/UHSS	Mild steel /HSS/VHSS/UHSS
Manual settings		Y	Y	Y
Storage of parameters in the memory card		Y	Y	Y
Update of the memory card		Y	Y	Y
Length of cable between the machine and the plier (m)		2 .500	2 .500	2 .500
Plier weight without the cable (kg)		5	5	5
Beam included		Y	Y	Y
Fuses (A)		32	32	32
Welding frequency (Hz)		1 000	1 000	1 000
Welding power (kVA)		120	120	120
Weight (kg)		160	160	180
Dimensions without the beam (L/W/H) (mm)		800/650/1050	800/650/1050	800/650/1050

WARRANTY

Warranty : one year parts and labour

GYS REFERENCES

GYSPT BP.LC : reference NSN-019669-01
 GYSPT BP.LX : reference NSN-019652-01
 GYSPT BP.LCX : reference NSN-019676-01

Selectivity criteria / Recommended / Optional

Spot welding station (for heavy repairs)

GYS



FUNCTION

Mobile spot welding station providing high-quality spot welds with all new high strength steel (HSS, UHSS, Boron...) up to 3 mm thickness. Inverter technology and water cooled electrodes. Transformer integrated in the clamp

DESCRIPTION AND CONTENT

Easy to use : Only 2 parameters to be selected
 - Sheet thickness (0,6 mm to 3 mm)
 - Type of steel, to choose amongst 4 possibilities

Transformer integrated in the clamp
 Constant current control
 Electrode force control
 Welding current 13 000 A Max : 14 500 A
 C clamp electrode force: 550 daN with at 8 bar
 Support cable bracket with a telescopic arm
 Control display 6''
 Remote control on the clamp
 Breaker 25 A D curve.
 Traceability : Record on SD card of the characteristics of each welding spot performed and reporting on PC.
 Low electrical consumption. 16 A to 25 A.
 This spot welding station is compliant with the 2004/40 EC directive.

Training: Included

OPTIONS

Options which can be added to the equipment
 Set of 3 additional C electrodes ref 019126
 Additional electrodes available
 see electrodes references on Gys website www.gys.fr
 single sided gun with ground cable : ref 051010
 cover : ref 050853

CHARACTERISTICS

		EVOLUTION PTI
Type of clamps		C
Transformer place		Integrated in the clamp
Welding intensity : I_{rms} (A)		13 000
Tightening force at the electrodes (at 8 bar)		5 50 daN
Type of cooling		Liquid
Manual/Automatic intensity stabilization for welding		Automatic
Diameter of the mobile electrode arm (mm)		25
Number of electrode sets		One in standard
Type of display		6'' graphical display
Integrated pre-programs	Number	4
	Type	Mild steel /HSS/VHSS/UHSS
Manual settings		Y
Storage of parameters in the memory card		Y
Update of the memory card		Y
Length of cable between the machine and the plier (m)		4
Plier weight without the cable (kg)		12
Beam included		Y
Fuses (A)		25
Welding frequency (Hz)		Direct current
Welding power (kVA)		80
Weight (kg)		100
Dimensions without the beam (L/W/H) (mm)		800x600x1300
Voltage (V/~Hz/A)		400 V.A.C./50 Hz/25 A

WARRANTY

Warranty : one year parts and labour

GYS REFERENCES

GYSPOT EVOLUTION PTI: 019614

welding station MIG/MAG GYS



FUNCTION

Semi-automatic MIG/MAG to weld steel, stainless steel, aluminium and for the "MIG Brazing" of high-tensile strength steels with CuSi and CuAl wires . Synergic wire speed function.

DESCRIPTION AND CONTENT OF DUOGYS

The DUOGYS is delivered complete with 3 torchs:

- ✓ 1 Spool on Gun torch (WIRE FEEDER WITHIN THE TORCH) for Alu wires (AlSi5, AlSi12 type) or stainless steel
- ✓ 2 torches for steel, stainless steel, CuSi or CuAl wires
- ✓ 1 earth clamp

3 functions available :

- 1 - Normal : 2T.
- 2 - Spot: Spot welding with adjustable spot diameter.
- 3 - Delay: Intermittent welding modes for an optimised operating procedure.

Select only:

- The wire type- The wire diameter- The power mode

SYNERGIC : automatic wire speed adjustment.

For each torch, memory and activation of the last welding parameters (wire diameter, wire type, mode).

4 rollers double wire feeder

MIG Brazing wires, copper silicium (CuSi) and copper aluminium (CuAl), for the new high-strength HSS/UHSS

- Aluminium wires with spool gun.

OPTIONS

Regulator/flowmeter 30 l/mn : 041622

Spool Gun: 041486 option for TRIMIG 205-4S only

CHARACTERISTICS

	DUOGYS	TRIMIG 205-4S
Adapted to the steel welding	Y	Y
Adapted to the braze welding	Y	Y
Adapted to the aluminium welding	Y	Y
Current range (A)	From 15 A to 205 A	From 15 A to 205 A
Voltage stage (V)	From 16 V to 28 V	From 16 V to 28 V
Number of voltage settings	7	7
Duty cycle (10mn-40°C) à 60% (A)	130	130
Synergic welding (automatic synchronisation flow/power in real-time)	Y	Y
Reel diameter (mm)	Ø 200 , Ø 300	Ø 200 , Ø 300
Reel wire weight	de 5 à 15 kg	de 5 à 15 kg
Protection (A)	10	10
Torch	Simple or double	Double
	Welding setting on the torch	N
	Torch length (m)	3 m
Weight (kg)	72	72
Dimensions (L/W/H) (mm)	90/60/90	90/60/90
Voltage (V/~/Hz/A)	230V/400V 50/60Hz 10 A	230V/400V 50/60Hz 10 A

WARRANTY

Warranty : one year, parts and labour

GYS REFERENCES

DUOGYS AUTO : reference NSN-017252-01

TRIMIG 205-4S : reference NSN-019904-01

Selectivity criteria / Recommended / Optional

Steel dent pulling kit

GYS



FUNCTION

Dent puller trolley for small dings and scratches up to major panel work. Make panel repair easy and keep the repair local, working from the outside avoids much of the strip & refit process

DESCRIPTION AND CONTENT

- ✓ Earth clamp (2m cable)
- ✓ Multifunction Gun (cable can be disconnected):
 - Inertia hammer
 - Dent pulling with stars
 - Studs, rivets and rings welding
 - Shrinking, carbon electrode and sheet warming
- ✓ Box of accessories and consumables
- ✓ Automatic detection of sheet contact.
- ✓ Easy to use: only the select the used tool (7 tools)
- ✓ and the power up to 3 500 Amps

OPTIONS

Dent pulling lever 0.8 m: 050716
 8 gripping multi-hook head: 049741
 Suction grip: 050709

5 pulling handles
 Dent pulling clamp with 3m cable
 2 Dent pulling lever without gripping multi-hook head
 4 gripping multi-hook head / 6 gripping multi-hook head
 Magnetic earth clamp for steel metal
 50 undulated wire, 100 straight pulling rings, 50 twisted pulling ring, Tube of Grease

CHARACTERISTICS

	Spotliner W35.02	Spotliner W35.04
Welding intensity : I_{rms} (A)	3 500	3 500
Secondary intensity : I_{2max} (A)	2700	2 700
Fuse (A)	16	16
Welding time (milli-seconde)	0-200	0-200
Welding cable length (m)	2.500	2.500
Power supply cable length (m)	2	2
Weight (kg)	27	27
Dimensions (L/W/H) (mm)	26x23.5x36	26x23.5x36
Voltage (V/~/Hz/A)	230 V/50-60Hz	400 V/50-60Hz
Accessories included	All accessories are included	All accessories are included

WARRANTY

Warranty : one year parts and labour

GYS REFERENCES

SPOTLINER 35.02 : reference NSN-019744-01
 SPOTLINER 35.04 : reference NSN-019751-01

Steel dent pulling machine

GYS



FUNCTION

Dent puller, suitable for small dings and scratches up to major panel work. Make panel repair easy and keep the repair local, working from the outside avoids much of the strip & refit process

DESCRIPTION AND CONTENT

- ✓ Earth clamp (2m cable)
- ✓ Multifunction Gun (cable can be disconnected):
 - Inertia hammer
 - Dent pulling with stars
 - Studs, rivets and rings welding
 - Contact shrinking, carbon electrode and sheet warming functions
- ✓ Box of accessories and consumables for car-body repair works
- ✓ Power supply cable : 3 m
- ✓ Automatic detection of sheet contact.
- ✓ Gun without trigger.
- ✓ Synergic mode
- ✓ 9 levels of power
- ✓ 7 tools
- ✓ Easy to use: only the select the used tool and power.

OPTIONS

Manuspot (6 dent pulling manual tools): Réf: 050679
Dent pulling bar 0.8 m : Réf: 050693
Gripping with 4 heads: Réf: 049758
Trolley : Réf: 018259

CHARACTERISTICS

	Gyspot 35.02	Gyspot 35.04
Welding intensity : $I_{r\ m\ s}$ (A)	3 500	3 500
Secondary intensity : $I_{2\ max}$ (A)	2700	2 700
Fuse (A)	16	16
Welding time (milli-seconde)	0-200	0-200
Welding cable length (m)	2.50	2.50
Power supply cable length (m)	2	2
Weight (kg)	27	27
Dimensions (L/W/H) (mm)	26x23.5x36	26x23.5x36
Voltage (V/~ /Hz/A)	230 V/50-60Hz	400 V/50-60Hz
Accessories included	Inertia hammer, consumable box	Inertia hammer, consumable box

WARRANTY

Warranty : one year parts and labour

GYS REFERENCES

GYS POT 35.02 : reference NSN-018075-01
GYS POT 35.04 : reference NSN-018082-01

Selectivity criteria / Recommended / Optional