NEO | MASTER | EXPERT

New generation of PTI spot welders

A NEW GENERATION OF PTI
DESIGNED FOR ALL VEHICLES AND ALL APPLICATIONS

After the worldwide success of the GYSPOT PTI-s7, GYS decided to undertake a new challenge: **design a range of modern spot welders, drawing on our world-leading experience and the latest advances in technology.**

By combining power, usability and advanced traceability, these spot welders set a new standard for spot welding.

PTI NEO	PTI MASTER	PTI EXPERT
WELDING CURRENT: 14 000 A		14 500 A
SUPER INTUITIVE COLOR DISPLAY		
LIGHTWEIGHT, MOBILE AND PRACTICAL		MACHINE WITH BALANCING SYSTEM
CLASSIC CLAMP	MANUAL OVER-OPENING CLAMP	
THE LIGHTEST CLAMP IN THE WORLD (WITH G1 ARM)		
9.7 kg	10.3 kg	11.8 kg
COMPATIBLE G ARM, A GYS EXCLUSIVE		

INTUITIVE COLOUR DISPLAY

All 3 spot welders feature the new, ultra-intuitive 3.5” full-colour control interface. Designed to optimize machine set-up time, menu navigation is fluid, and incorporates animations to assist the user at every stage of the welding process.

Multilingual interface, as easy to use as your smartphone.

2 buttons for quick and easy menu access.

Traceability and updates made easy **via USB port.**

Central thumbwheel to easily navigate menus and set parameters.

G-arm change interface

AUTOMATIC MODE EASY TO USE

The machine instantly detects workpiece thickness, the type of steel and if there is any adhesive present, and calculates the exact amount of time, current and clamping force required for a successful weld at each point.

0 settings / 0 errors

100% reliable spot welding

PTI NEO & MASTER
LIGHTWEIGHT, MOBILE & PRACTICAL

With a space-saving footprint, the PTI **NEO** (57 kg) and **MASTER** (58 kg) are the ideal solution for workshops where space is at a premium. The clamps on these models are very light (9.7 Kg and 10.3 Kg), so they can be supplied without a balancing system.

- Compact and space-saving.
- **Lightweight, easy-to-move trolley.**
- Fast access to your different arms via a storage rack (max. 8 arms).
- Delivered in a box for easy storage and transport (80 x 60 x 70 cm).

6 units/pallet

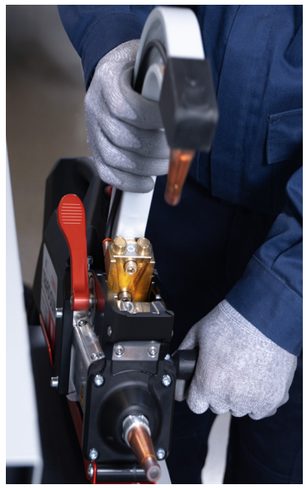
PTI EXPERT
INTEGRATED BALANCING SYSTEM, MAXIMUM COMFORT

The PTI **EXPERT** differs from the other 2 machines in that it has a higher gait factor, which means it can be used more intensively, and also thanks to its 360° rotating clamp (gyroscope) and its stem, for greater comfort and precision.

- The arm supports the weight of the clamp while offering freedom of movement and an optimised working position.
- The gyroscope makes it easy to position the clamp in difficult areas.
- The 5m balancing system offers greater access to vehicle parts/areas without having to reposition the machine.

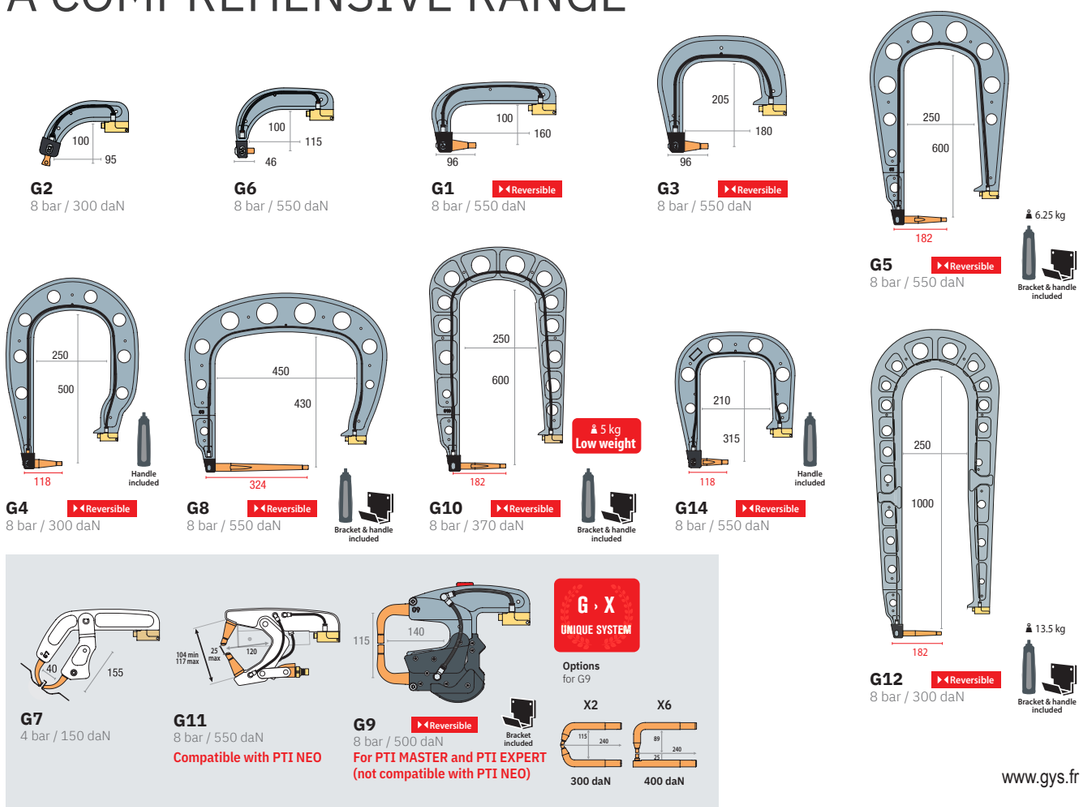
LIGHTWEIGHT, INNOVATIVE CLAMP

The lightweight clamp simplifies the work of the user and reduces physical strain. The ability to change arms quickly, together with a wide selection of G-arms, ensures easy and convenient access to all areas of the vehicle body.



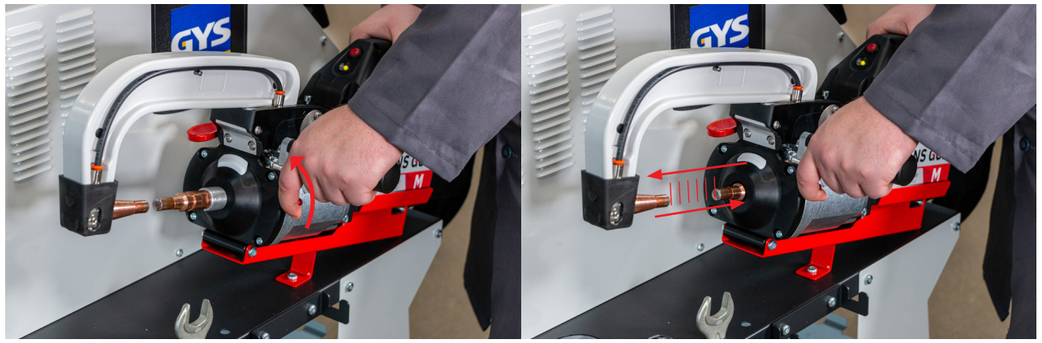
- Perfect electrical contact through a unique brass connection system based on a dovetail concept.
- **Quick, automatic arm set-up.** Mechanical adjustment of the arm on the clamp takes place automatically, without user intervention. The service life of electrical contact elements is greatly extended. The user also benefits in terms of efficiency and speed.

INSULATED G-ARMS
A COMPREHENSIVE RANGE



MANUAL OVER-OPENING CLAMP

The manual over-opening, with 75 mm clearance, is a GYS-patented innovation that considerably improves ergonomics and efficiency for vehicle body specialists.



1 Lever operation — 2 Electrode retraction

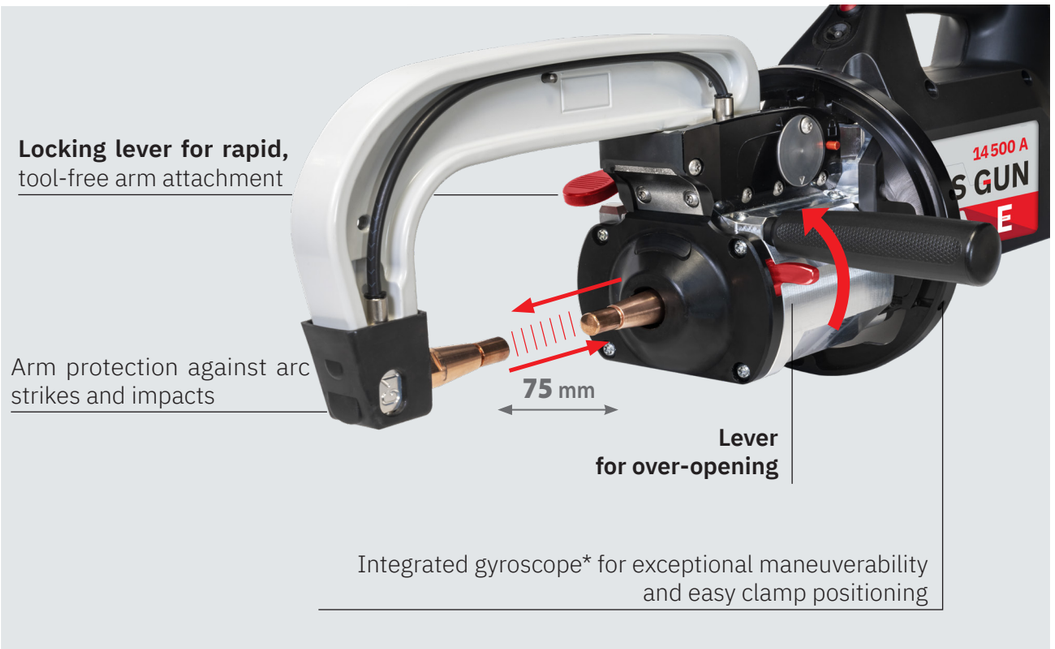
This feature, available on the PTI **MASTER** and **EXPERT**, greatly facilitates access to the welding area.

- Enhanced access to challenging bodywork areas.
- Better visibility and precision when positioning electrodes.
- Saves time by reducing the number of more complex procedures.

PATENT PENDING

GYS PATENT

Clamp features



*PTI EXPERT only

SINGLE-POINT GUN
ULTRA-VERSATILE SOLUTION

The 3 spot welders can be fitted with a single-point gun (Quick-Fixing kit, ref. 082823). This optional accessory is designed specifically for dent removal and car body repair.

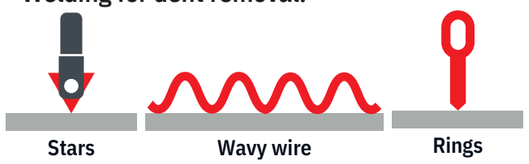
Quick and easy connection to the machine, with no need for complex adjustments or tools:

Dedicated storage on the machine

Connecting the control cable from the gun to the clamp

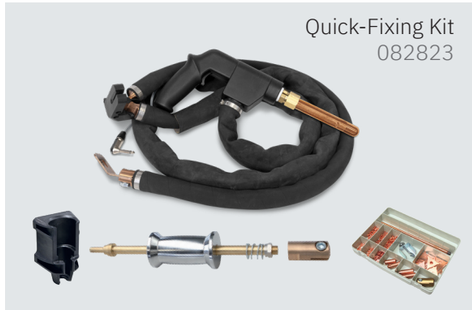
Quick and easy gun installation

- **Welding for dent removal:**



- **Sheet metal work:**
Impact reduction / Shrinking (graphite pencil)

- Compact and ergonomic, ideal for working on localized damage.



SPECIFICATIONS
TECHNICAL

	PTI NEO		PTI MASTER		PTI EXPERT	
Power supply (3-phase)	400 V	208 - 240 V	400 V	208 - 240 V	400 V	208 - 240 V
Part numbers with G1	024779	077362	083264	083257	082687	082724
Part numbers complete	084834 (G1+G2+G4)	084841 (G1+G2+G4)	087965 (G1+G2+G3+G4)	087972 (G1+G2+G4+G9)	087989 (G1+G2+G3+G4+G9)	087996 (G1+G2+G4+G9)
Circuit breaker	20 A (D)	30 A (D)	20 A (D)	30 A (D)	25 A (D)	32 A (D)
Tank volume	5 L (liquid not included)				30 L (liquid not included)	
Power supply cable	8 m					
Dimensions	63 x 76 x 127 cm				65 x 100 x 230 cm	
Weight	57 kg	62 kg	58 kg	63 kg	109 kg	119 kg

PERFORMANCES

Max. welding current	14 000 A	14 000 A (240 V)	14 000 A	14 000 A (240 V)	14 500 A	14 500 A (240 V)
Weldable steels	Mild steel		HSS	AHSS	UHSS	Boron
Max. pressure	550 daN (<8.3 bars)		550 daN (<8 bars)			
Max. weldable sheet thickness	2.5 + 2.5 + 2.5 mm					

CLAMP

Interconnection cable length	4 m		5m (disconnectable)
Clamp support and base plate	Brass		
Over-opening	–	mechanical, 75 mm	
Compatible with arms G9	–	✓	
Compatible with arms G11	✓	✓	
Integrated gyroscope on the clamp	–		✓
Clamp weight with G1 arm	9.7 kg	10.3 kg	11.8 kg

Non-contractual values

INVEST IN THE FUTURE

Made in France
since 1964

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Non-contractual document GYS reserves the right to change specifications without notice.