



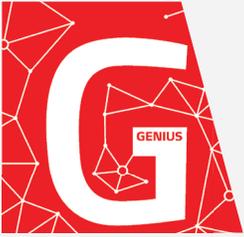
# GYSpot PTI.GENIUS

## INVEST IN THE FUTURE

INNOVATIVE  
**CRTE**

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## GYSPOT INVERTER PTI.G

# The spot welder of tomorrow

Designed for use with a variety of steel grades (UHLE, THLE, HLE, Boron, etc.), the GYSpot PTI.G welder incorporates all of the best features: motorized frame with a reach from the base of the machine 47.25", an integrated transformer gun with pneumatic opening.

Each component has been carefully designed to facilitate access to tight spots and double productivity. With onboard intelligence, its technology meets the needs of body shops and automobile producers better than ever before.

024854 : 220V  
024878 : 400V  
024892 : 480V

### Motorized ultra-ergonomic frame

Allows simple reach to higher areas of the vehicle.  
Range of up to 47.25".  
Height-adjustable from 5' to 8.5'.  
Technicians can comfortably hold gun in any position.  
Excellent stability thanks to wheel expanders.

### High-tech double-sided trans gun, unmatched on the market

Water-cooled integrated transformer.  
Retract electrode in under 2 seconds.  
Arm's water-cooler connects automatically.  
Integrated gyroscope allows for 360° rotation of arms.  
Electrode clamping force (1,236 pound force).  
Compact & ergonomic.  
Double-sided gun/arm contact does not need adjusting.  
20' weld cable from machine.

### Powerful & intelligent processor

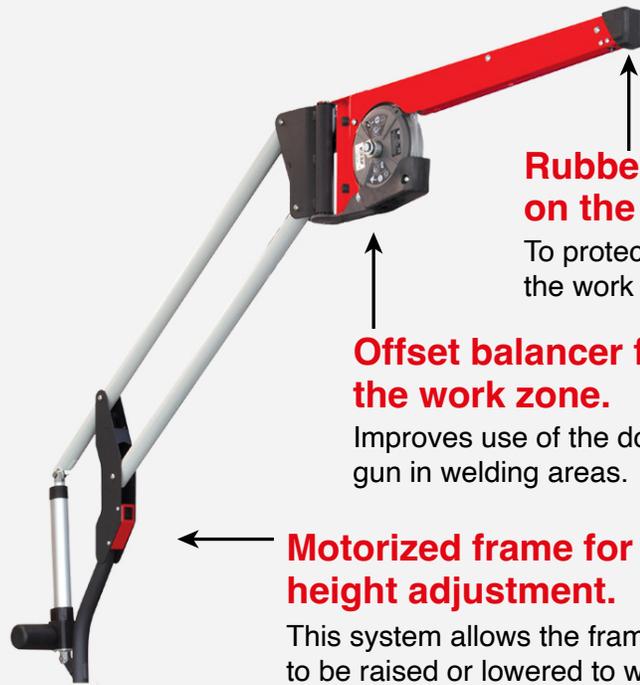
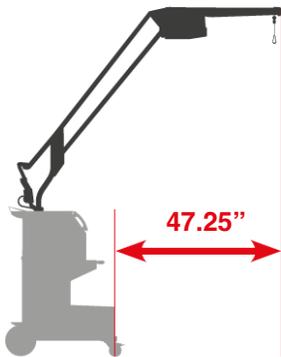
Welding current of up to 14,500A.  
Automatic welding settings.  
Faster welding rate (20 spots/min).  
Optional WiFi adapter available.



# Adjustable frame

Maneuverable, adjustable, and motorized, the new frame allows the height to be adjusted for any working conditions.

**Unique  
47.25" offset**



**Rubbery safety tips  
on the mobile parts**

To protect the user and  
the work area.

**Offset balancer for  
the work zone.**

Improves use of the double-sided  
gun in welding areas.

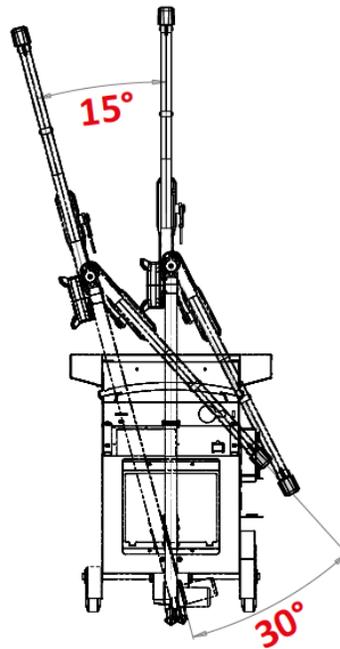
**Motorized frame for  
height adjustment.**

This system allows the frame  
to be raised or lowered to work  
within the vehicle constraints.

**Foldable**



**30° rotation**



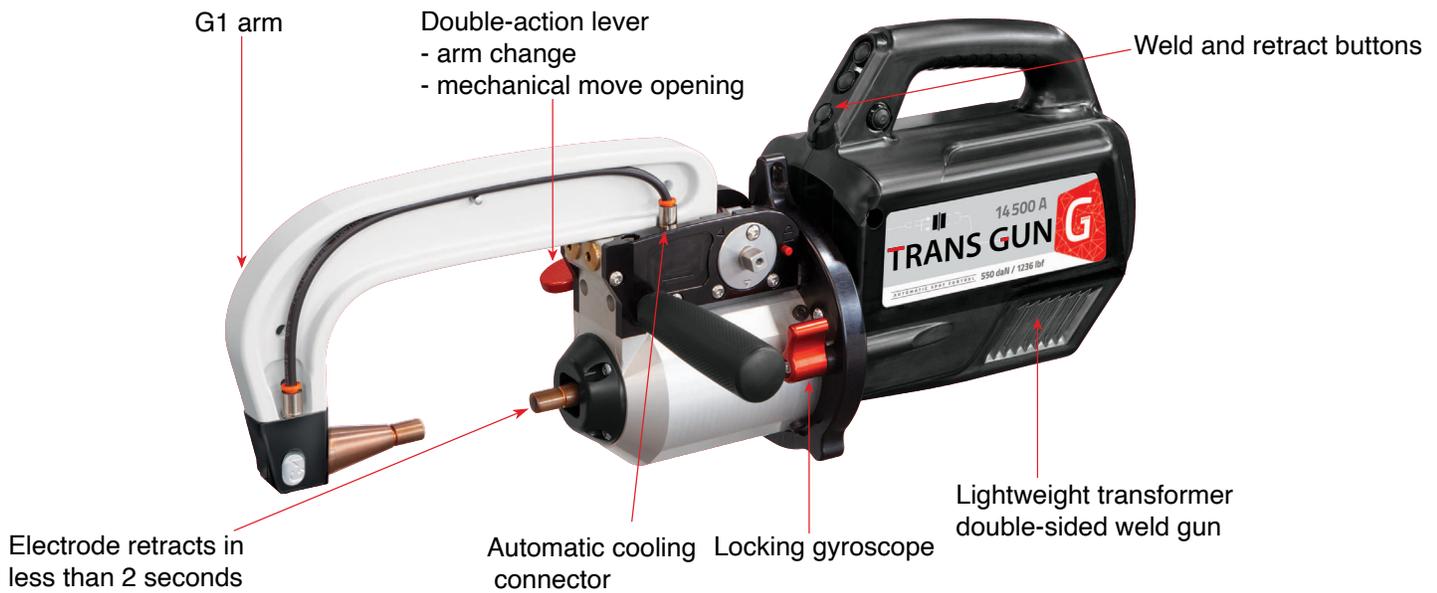
**Adjustable**



# Integrated transformer double-side gun

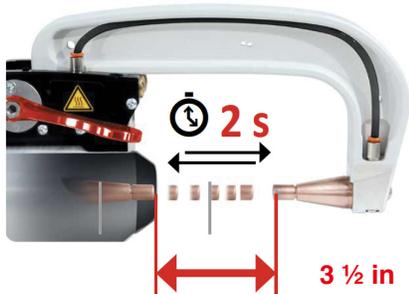
The new, compact double-sided gun includes a new generation, water-cooled transformer. Ultra-maneuverable and lightweight, allows for automatic opening of the electrode to quickly access welding areas.

It provides extreme ease of use thanks to automatic adjustment of welding parameters (AUTO mode).



**Simple,  
lightweight,  
and  
efficient  
arms!**

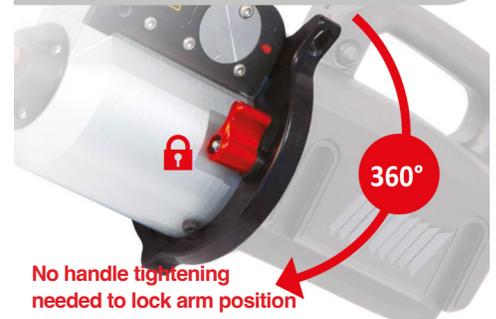
## ELECTRODE RETRACT



## QUICK CHANGE



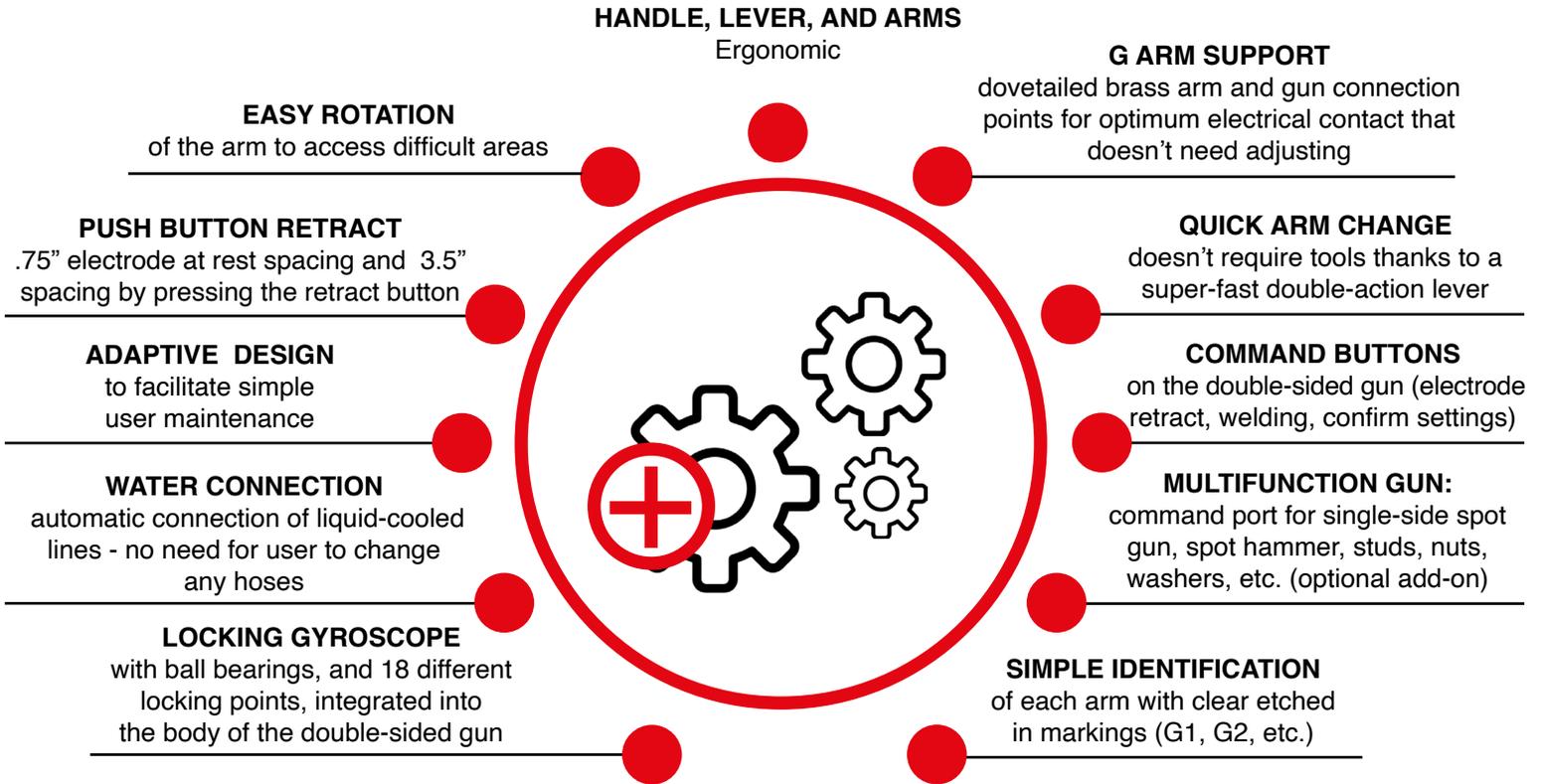
## 360° LOCKING GYROSCOPE



## AUTO



# PTI.G Functions and benefits



## High performance



**Meets  
electro-  
magnetic  
safety  
standards**

- Welding current: up to 14,500A.
- Electrode clamping force (1,236 pound force) at 116 psi.
- Superior liquid cooling of the power cables, transformer, diodes, electrodes and caps. Nearly 8 gallons of specially formulated coolant.
- Maximum productivity thanks to the new G double sided gun actuator design and the welding algorithm.
- Intuitive navigation with the 5.7" LCD screen.
- Automatic adjustment of pressure between the electrodes.
- Spot counter to assess weld cap lifespan.
- Special welding for laminated metal and other difficult coatings.
- **Preprogrammed OEM specific weld programs built-in.**

# Easy to use

## Simple, intuitive interface designed with the user in mind

The machine automatically detects the steel grade, the metal thickness, the presence of glue and insulating materials between HLE/THLE, UHLE and boron sheets, the exact amount of current, and the clamping force necessary for 100% reliable welding.



## Wi-Fi connectivity available\*

# Weld Documentation & Verification

**Documentation is an important requirement for liability. Many OEM programs have specific weld parameters, verification of correct welds is very important. Soon insurance requirements may include weld documentation.**



- The ability to trace the number of spots welded is vital.
- Each spot is saved on an SD card and can be transferred to a computer to issue welding reports.
- The operator can provide documentation of their work quality.
- Saved reports can be transferred to a computer.
- Wi-Fi connectivity is available (optional add-on).

## PTI.G offers a software package for easy use of welding data.

Allows you to record welding data, and to print, save, and export repair reports. Welding spots are counted so the lifespan of caps can be accurately calculated.

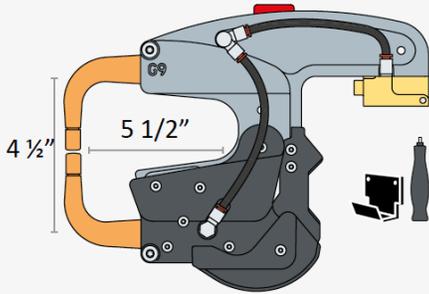


\* Wi-Fi connectivity is an optional add-on

# G ARMS, Light-weight & Water Cooled

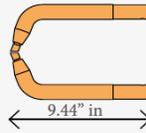
## G9 ARM, ONE-OF-A-KIND ON THE MARKET

The G9 arm is a C arm that allows the to double-sided gun to be converted from a C movement to an X movement. With a patented ergonomic design and ease of use, it allows the GYSpot PTI.G G9 arm to be used in AUTO mode so each of the welding point parameters are set automatically. (G9 arm optional add-on)

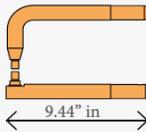


**G9 + X1 - 1,236 lbf**  
022881

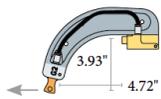
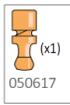
**X1 - 1,236 lbf**  
050501



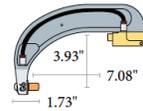
**X2 - 050518**



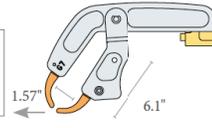
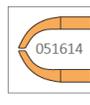
**X6 - 050587**



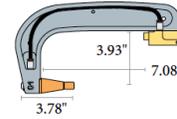
**G2 - 116 psi / 674.42 lbf**  
022775



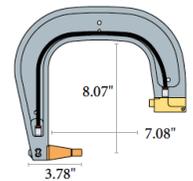
**G6 - 116 psi / 1,236 lbf**  
022812



**G7 - 58 psi / 337.21 lbf**  
022829



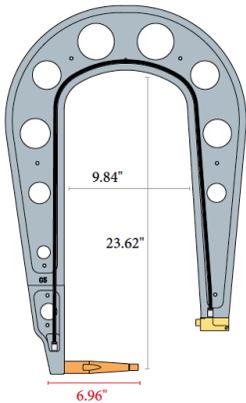
**G1 - 116 psi / 1,236 lbf**  
022768



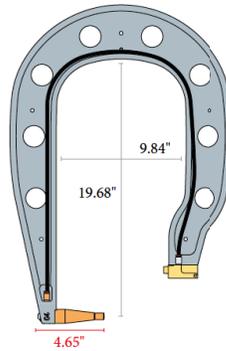
**G3 - 116 psi / 1,236 lbf**  
022782

**G1/G3-SA (Small Access)**  
067653

> 02/2021

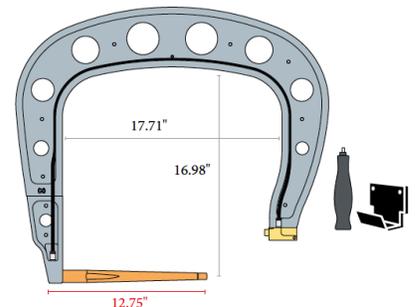


**G5 - 116 psi / 1,236 lbf**  
022805



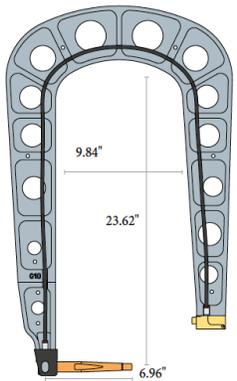
**G4 - 116 psi / 1,236 lbf**  
022799

**G4-SA (Small Access)**  
064478



**G8 - 116 psi / 1,236 lbf**  
022836

**G8-SA (Small Access)**  
067677



**G10 - 116 psi / 900 lbf**  
067165 Ultra Light Weight Arm

**G5-G10-SA (Small Access)**  
067660



The small access:

(SA) electrodes resolve common accessibility issues with certain areas of the car body.

## Arm storage

The PTI.G pointer has five arm slots on the back, allowing up to five G arms to be stored. A side slot allows the G9 to be stored as well.



# Characteristics and Technical Data

024854

024878

024892

## CHARACTERISTICS

Electrical installation	3 x 208-240V	3 x 400V ±10%	3 x 480V ±10%
Sector frequency	50 / 60 Hz		
Circuit breaker	40A delayed-action or Type D circuit breaker	25A delayed-action or Type D circuit breaker	20A delayed-action or Type D circuit breaker
Protection type	IP 20		
Cooling type	Liquid cooling		
Compressed air supply	8 -10 bars (116-145 psi)		
Max. short circuit current input	240A - 230A (208V - 240V)	139A	116A
Max Instant Apparent Power	83 kVA - 96 kVA (208V - 240V)	96 kVA	96 kVA
Clamping force	100-550 daN (225 - 1236 lbf)		
Approx. dimensions (HxWxD)	47 ¼" x 28" x 35 ½"		
Weight	220.5 lbs		

## WELDING OUTPUT

Max. short circuit current output	12.5 kA - 14.5 kA (208V - 240V)	14.5 kA	14.5 kA
Open-circuit voltage	6.6V - 7.9V (208V - 240V)	7V	7V

## LIQUID COOLING

Reservoir capacity	7.93 Gallons
Nominal cooling liquid flow	0.61 G/min

## DOUBLE SIDE G GUN

Type	360° gyroscopic
Command buttons on gun	(opening, welding, confirm settings)
Opening (Retractable electrode discharge)	(¾" to 3 ½")
Opening speed	2 seconds
X tongs	(G9 arm option) – auto welding for X1, X2, X3
Automatic pressures adjustment between electrodes	yes
Rapid cooling circuit coupling	yes
Insulated arms (insulating paint)	yes
Mono-spot gun	yes (optional)
Double sided gun beam length	19.68'
Arm series	G1
Types of arms available	G1 - G2 - G3 - G4 - G5 - G6 - G7 - G8 - G9 - G10
Reversible arms	G1 - G3 - G4 - G5 - G8 - G10

## IHM – SOFTWARE

Number of MODES	7
Manual MODE	yes
Builder MODE	yes
Automatic MODE	yes
Visualization	5.7" LCD screen
Spot counting	yes
Welding report	yes
Traceability	yes

## FRAME

Type of frame	Articulated / Motorized with balancer
Frame offset	47.24"
Maximum range of motion	98.43"
Beam range of motion	19.68"
High reach of boom	98.43"
Low reach of boom	63"



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