



# On the spot welding

GYS has launched the new PTI Genius Spot welder – the second release in its new series of Genius products.

The PTI Genius series comes as the result of major investment in research and development to incorporate and introduce the latest electronics and mechanical engineering to the car body repair market, with the aim of providing a whole host of new performance advantages.

The investment in the development of the PTI Genius spot welder has been made in two areas.

Electronics was the first major focus during the research and development process. One of the main goals was to bring the latest in fast processing power to spot welding to the product, with the ability to track data that is automatically transmitted to Wi-Fi (if desired).

The second area is in the mechanics of the product; the new design of the arm sees its connection placed after the coolant connection so the arms can be changed without having to disconnect the coolant. The new design has also allowed the arm to be instantly tilted for better access and offers optimum connection every time without requiring grease.

Together, these improvements are said to provide a whole host of advantages over traditional spot welders. Improved access from the fast-retracting electrode and instant arm tilt allows easy placement of the welder into position, the arm options available with

the PTI Genius enable both C and X arm functionality. The new PTI Genius is faster, with the latest powerful processors enabling a more rapid application of weld. The arm can also be changed in seconds. As well as the time saving features mentioned, the transformer efficiencies in the Genius gun consume less electricity and with the new arm design not requiring grease at the connection point, the life span and reliability is improved for the gun itself, resulting in lower running costs. There is also an increase in useability, the super lightweight cable and motorised arm with balancer and 360-degree rotation provides comfort and better performance for the technician.

With more than 70 research and development engineers, GYS continues to grow and innovate to bring the most forward-thinking industry products to market.

GYS managing director Neil Pulsford said: "Technology in electronics is constantly moving forward and, with the largest research and development department for these products in the world, GYS has invested in developing the new Genius spot welder to bring real working benefits to the bodyshop. In general, spot welders have remained unchanged in some years with the last two major developments being traceability in 2008, as well as an automatic function being introduced in around 2014. The PTI Genius is the biggest change to spot welding for years and we are confident that bodyshops will love it."