



AKGEC-Fronius

ADVANCE WELDING TECHNOLOGY
AND RESEARCH CENTRE

TPSi GMAW System



The TPS/i GMAW system is a completely digitized welding system with a modular structure that consists of networked and perfectly harmonized components. It has a high-performance processor and a high-speed bus, meaning that greater amounts of data can be transferred even more quickly and control loops are faster than ever before. This results in exceptionally stable arc, increased welding speeds, more precision and outstanding welding results.

These intelligent MIG/MAG devices boast almost universal versatility, extensive operating and communication functions – and impressive performance. In addition to Constant Voltage GMAW, and Pulse GMAW, the modified dip transfer arc LSC – Low Spatter Control, and the modified pulsed arc PMC – Pulse Multi Control processes and enhanced stabilizing features for penetration & arc length, give the system a significantly higher level of arc control, increased weld quality and travel speeds all combined with significant reduction of spatter. These future-ready systems are programmed to deliver unsurpassed quality, highest efficiency and maximum reliability, in other words, profitable welding processes for all automated series production lines.

Machine Specification

Current Range : 3 to 320 amp
Open Circuit Voltage : 71 V
Operating Voltage : 14.2 - 30 V
Degree of Protection : IP 23

Duty Cycle : 60% @ 260 amp,
100% @ 240 amp
Weight : 35.8 kg