Welding Technology Corporation

Adapting to Welding Excellence!

Series 5000

The core of the Series 5000 welding control is a high-speed flexible module that can be configured for various welding applications. The Series 5000 is used for robotic, machine, or manual welding welding operations using various I/O options including Ethernet I/P, Device Net, AB RIO, Control Net, Discrete and Serial Integration.



Key Features

The Series 5000 welding module is currently in use by many automotive companies in Asia, Europe and North America.

R5000 Model - Transparent Technology Shift can render the Series 5000 to look & feel like the Robotron Series 415 and 435 welding controls.

M5000 Model - Transparent Technology Shift can render the Series 5000 to look & feel like a Medar 3000 Series family including the MedWeld 3003 (Nachi AR, AW, AX), the MedWeld 3004 (Fanuc) and MedWeld 3005 (AB SLC) welding controls.

W5000 Model - Transparent Technology Shift can render the Series 5000 to look and feel like the Weltronic Series welding controls.



Series 5000 - FRS Welding Control System Welding Features & Configurations



TFF is an innovative way to "feel" the weld grow. The servo actuated welding gun is equiped with a force sensor so that the Series 5000 control can monitor thermal forces as the weld nugget grows. This allows for the control to tell if the weld is good while it is being produced without having to resort to destructive testing. Fast processing from the Series 5000 is required to provide such operation.

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WTC products are supported with parts, service and training from ITS (

