

Branson™ Fieldbus Interface Gateway (FIG)

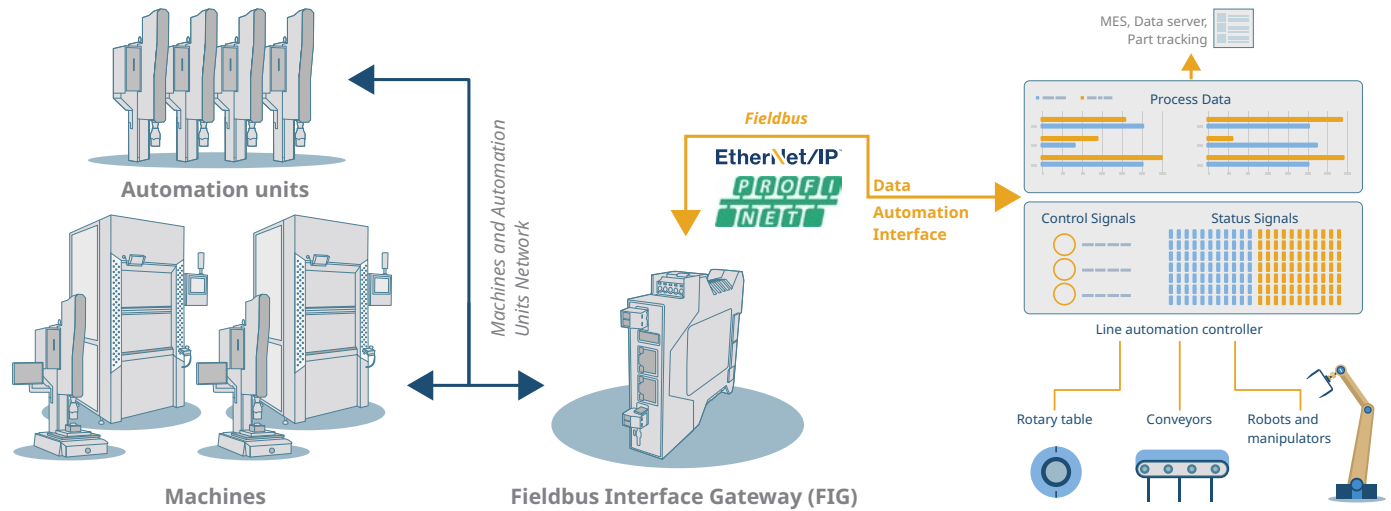
Fieldbus Interface Gateway (FIG) is the control interface between the Branson welding machines (OT network) and machine user's control system (fieldbus with line/automation controller).

Line/automation controller controls up to 10 welding machines and receives welding process values from them, all via fieldbus. FIG automatically recognizes connected machines, receives automation interface commands, and provides status and data to fieldbus master controller (automation/line controller).



Networking

Automation Interface with FIG



Specifications

Dimensions	(H x W x D) 99 x 34 x 115 mm
Mechanical	Plastic housing, Din rail-mountable IP20 – Protection against solid bodies or touch
Weight	120 g
Power supply	19 - 28V DC
Power consumption	about 130mA at 24V DC
Environmental Temperature Range	Operating range: -40°C up to +60°C Storage range: -20°C up to +60°C
Interface	Ethernet 2x RJ-45 (10/100 Mbit/sec)
Certification	CE (EN 61000-6-4, EN 61000-6-2)

Functional specification

Interface machines to FIG	Branson machines network (connection)
Control interface	Ethernet/IP adapter (slave)
Electronic datasheet	FIG - Fieldbus Interface Gateway.eds
Data from machines	Status words (automation interface, machines control) Status data (automation interface, 3 configurable values per machine) Process data (8 configurable values from each machine)
Data to machines	Control words (machine control)

* Number of connected machines has impact on communication response time

For more information:
www.Emerson.com/Branson

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