

INDUSTRIAL AUTOMATION AND PRODUCTION EQUIPMENT

Power it. Control it. Prove it.

The electrical line for the machine you ship: the power connection it leaves the shop with, the controls and interface that run it, and the data port your customer's software polls. The manufacturers Dynamic Measurement and Control Solutions represents, organized the way you design, with an application engineer on the phone before the spec locks.

Power it

Energy in, converted, moved. And the switching and protection that keeps it safe.



WALTHER

The machine splits here

Procon rectangular connectors carry power and control through one hood. Sections ship separately; on the customer's floor you **mate the inserts, snap the hood and energize**. Washdown versions to IP68, so the panel that gets sprayed every shift keeps its connector. Built in Somerset, New Jersey.



WALTHER

Connect, disconnect, lock out: one part

The receptacle and the switch are one unit on the frame: the circuit **cannot be made or broken under load**, and the handle takes a lock. The disconnect ships with the machine, IP67 where the water hits. Series II pin and sleeve, 20 to 100 A at 125 to 480 V, UL Listed and CSA Certified together.



CELDUC

The heater relay that reports its own state

Solid state relays for barrel, mold, oven and sealing-bar zones, 4 to 125 A single and three phase, with relays and plug-on modules that **report mains, load and protection status**. The PLC knows it commanded the output; the relay knows whether current flowed. A broken element is flagged before a shift of parts is boxed.



PREMIUM PSU

Control power that rides through the dip

A control-voltage supply with the battery charger and the changeover built in and **Ethernet reporting to the controller**, so a mains dip is a logged event, not a restart. Beside it, DIN-rail supplies from 120 to 480 W and the EFC electronic fuse, four protected 24 V channels in one module. From the shop that builds 50 kW rail converters.

Control it

Commanded, coordinated. The logic, the drive and the face of the machine.



IMO

One logic stack, relay to drive

iSmart smart relays and XGB PLCs with **license-free programming**. Jaguar drives from compact to heavy frames, contactors and motor circuit breakers beside them, iView HMIs on the door. One platform your customer's maintenance team can support, same-day dispatch from US stock, up to 5-year warranty on electromechanical components.



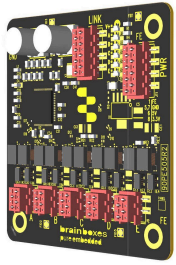
GETT

The face of the machine, from a quantity of one

InduSmart panel PCs from 10.1 to 21.5 inches, IP65 front, fanless, Windows or Linux. The BlackLine adds **six capacitive keys and an NFC reader below the display**, an E-stop in the panel as an option and your logo printed, from a quantity of one, with seven years of form-fit-function availability. Custom front panels, capacitive and optical switches for the rest of the door.

Prove it

Proven, not assumed. The machine ships with a data interface, and the controller you qualified is never touched.



BRAINBOXES

Ethernet inside your own product

Board-level switching the size of a paperclip, designed into the enclosure instead of bolted on. One OEM built it into a flow controller for wafer-fab gas delivery: **113,000 power cycles, zero failures**, and a ten-year availability commitment behind the part number.



BRAINBOXES

The data port, as a part number

Remote I/O presents states, counts and temperatures as **Modbus TCP devices the customer's own software polls**. The machine ships with a data interface their IT already understands, and the controller you validated is never touched.



BRAINBOXES

Add the port, keep the controller

The controller you already ship has an RS-232 or RS-485 port. An Ethernet-to-serial unit puts it on the customer's network and **the software still sees the same COM port**, so nothing in the control code changes. Compact unmanaged and PoE switches on the same DIN rail, one uplink out of the machine.



SATEC

Energy per cycle, measured in the panel

A PRO Series instrument in the machine panel: a **Class 0.2S revenue meter and a Class A Edition 3.1 power quality analyzer in one device**. The kWh per cycle your customer asks for is measured, not modeled, and the sag that tripped the machine at shift change has a time and a depth on file, on the machine.

Foundation

Looks simple. Fails first. Where the schematic meets the panel.



CONTA-CLIP

Pre-terminated cables through a sealed wall

KDS split cable entry: the cable goes through the frame with its connector on, the wave-cut seal closes around it, and the frame holds IP66. UL Recognized, one frame in place of a row of glands, seals swapped from outside.



WISKA

Brace conduit and fittings that seal

The Brace system: plastic conduit with fittings that lock and seal at the enclosure, plus glands including EMC versions and junction boxes, so the drop enters sealed and the shield lands where it should.

A data layer beside the controls

Brainboxes sits outside the control loop and moves information up to MES, historians and dashboards without interfering with machine operation. Anything deterministic, safety rated or inside the loop stays with the controller vendor's I/O.

An SSR has a heat budget

Figure roughly one to one and a half watts dissipated per amp conducted. If there is no thermal budget left in the panel, an electromechanical contactor is the right answer and we will say so. An SSR is not isolation and not a disconnect.

Where we will say no

Anything deterministic, safety rated or inside the control loop stays with the controller vendor. We do not represent enclosures, cooling or the safety controller. A relay that reports its state is a reliability feature, not a rated safety function. Listings are confirmed on your exact configuration when we quote it.

Talk it through at the design stage

If any part of this card raises a question mid-design, whether that is the connector on the frame, the panel or the data port, that question is exactly what we are for. A short technical conversation before the spec locks usually surfaces the options a datasheet does not.

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THE MANUFACTURERS ON THIS CARD



WISKA