



## *MicroPak 2e*

### HIGH VOLTAGE AND ATOMIZER CONTROLLER

The Ransburg MicroPak 2e, in conjunction with a Ransburg cascade, is used to provide high voltage for electrostatic equipment. The system uses a combination of proven high voltage generation technology, including microprocessor-base control with diagnostic and communication functions.

The unit is available in a compact, stand-alone unit or single component that easily slides into a euro-rack or control system. The MicroPak 2e's simplified controls and user-friendly control panel make it easy to control the high voltage, applicator speed and pneumatic I/O of a single applicator, while easily interfacing with PLC hardware. The MicroPak 2e is the perfect companion for Ransburg applicators; Aerobell, Aerobell 33, Aerobell 168, Evolver SE, TurboDisk or RMA applicators.

**Ultimate in Operational Safety...**protections include over voltage, over current, DI/DT and DV/DT.

**Simplified controls...**a user friendly control panel makes it easy to operate and change settings.

**Simplified installation...**the new stand alone, compact unit greatly reduces cost and installation time.

**Ethernet IP communication...** designed for use in process control.

# MicroPak 2e

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Ransburg

## Features

- Cold Fire Processor
- 12 digital Inputs
- 18 digital outputs
- 8 analog outputs configurable 4-20mA or 0-10V
- 7 analog inputs configurable 4-50mA or 0-10V
- 1 high speed pulse input
- 2 high speed encoder inputs



The MicroPak 2e's simplified controls and user-friendly control panel.

## Specifications

### Physical:

Operating Temperature:	0°C to +55°C
Humidity:	95% Non-Condensing
Physical Size:	5.1" tall X 8.5" wide X 6.5" deep

### Electrical:

Power Required:	(per controller)
Controller:	24V DC @ 0.5 Amps
Cascade:	24V DC @ 6.0 Amps (fully loaded output), RansPak 1000 (RP1000) Cascade 24V DC @ 2.0 Amps (fully loaded output), HP404, RP404, HP505, A12760 and A12761 Cascades
High Voltage Power:	24 Volts, 10Amp, Form C relay contact
Discrete In:	(Dry Contact) Remote Stop Misc IO Interlock/Trigger Door Interlock Booth Air Interlock (Analog) KV Setpoint (0-10VDC)
Discrete Out:	(3, Dry Contact) Interlock Out External Power Enable System Alarm
Controller Operating Range	
High Voltage:	0-100kV, settable in 1kV increments
Communication Requirements	
Control and Reporting:	EtherNet/IP
HP404/RP404 Cascade Output:	100 kV @ 0 $\mu$ A 125 $\mu$ A @ 0 kV
RP1000 Cascade Output:	100 kV @ 0 $\mu$ A 1000 $\mu$ A @ 0 kV
HP505 Cascade Output:	100 kV @ 0 $\mu$ A 240 @ 0 kV

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