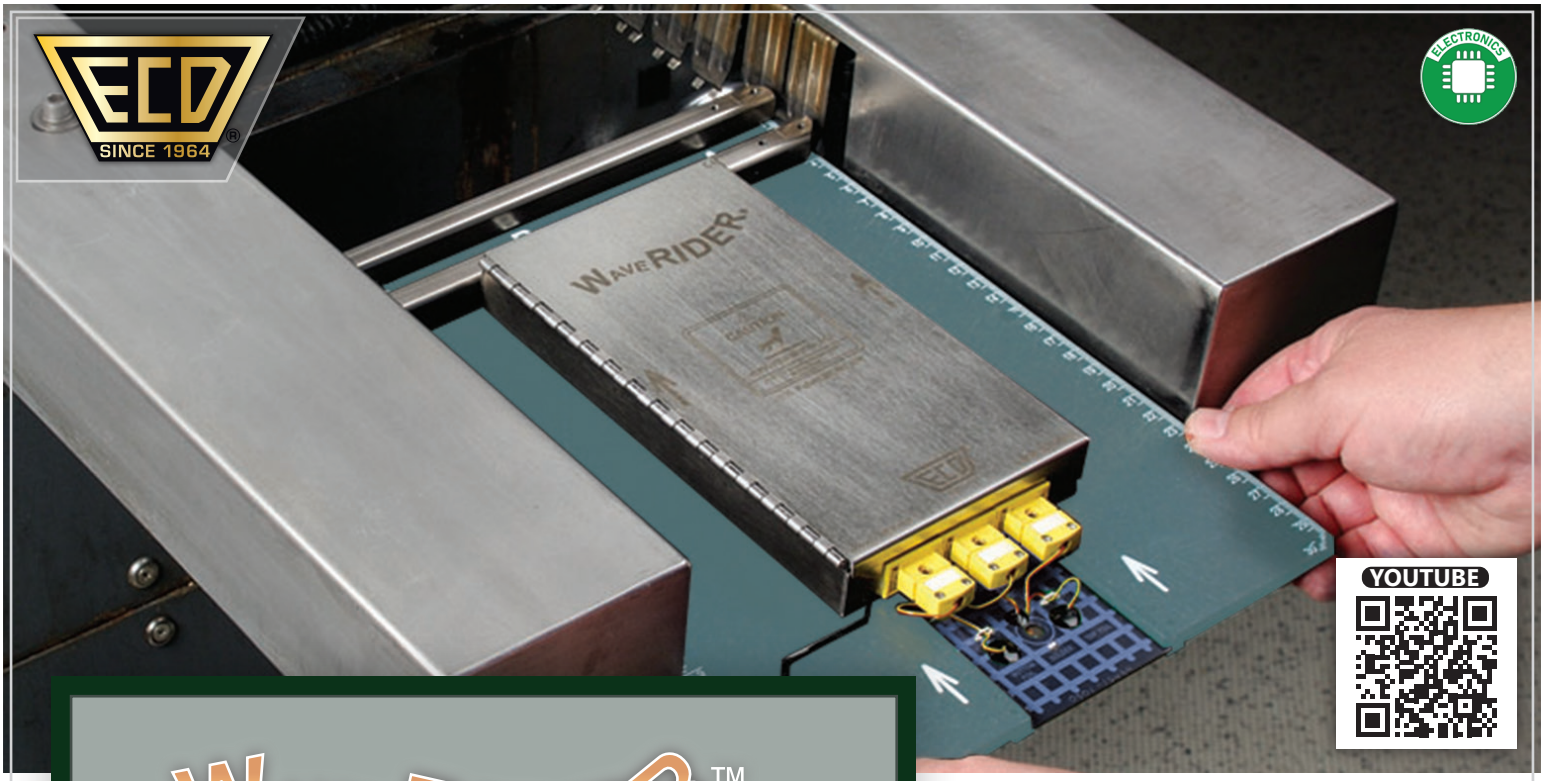
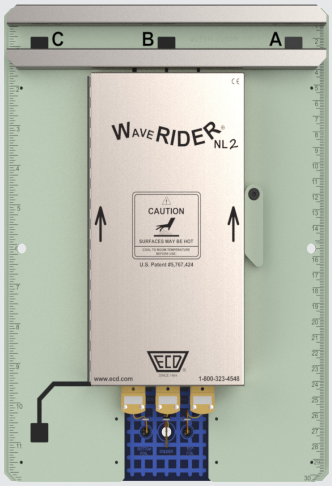
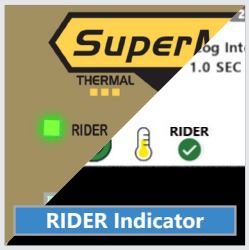


WAVE RIDER™ NL 2

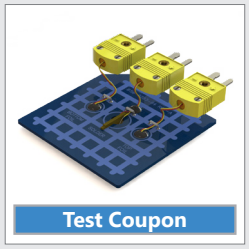
Know the Past... Predict the future

The wave soldering process is one of the most challenging procedures to set up. The ECD WaveRIDER® NL 2 greatly simplifies wave solder set up and ensures perfect repeatability, time after time. Board recipe preheat temperatures, conveyor speed, wave height, contact times and parallelism are all measured and monitored using the WaveRIDER® NL 2 process pallet.





RIDER Indicator



Test Coupon

FEATURES | BENEFITS

Dwell Sensors

Time spent in immersion across the solder pot also provides critical Contact Length, Immersion Depth and Parallelism data. Manage (SPC) optimum and repeatable board-to-wave orientation, icicles mitigation, conveyor finger maintenance, adequate pot replenishment, auto-start and pump maintenance.

Coupon Sensors

Three thermocouples are aligned with the Speed Sensor. Coupon Top, Bottom and Solder record board temperatures, Preheat Max Temp (top side), Preheat Max Slope, Wave surface temperature and Delta T at Wave. Provide key wave soldering measurements to verify machine readiness for production (SPC).

Speed Sensor

Time delay between the "C" and Speed Sensors striking the main wave is used to calculate conveyor speed for every run to verify consistency (SPC) and catch an incorrect recipe setting. Creates event triggers for Coupon Sensors too.

RIDER Indicator

The Rider LED Indicates when SuperM.O.L.E.™ Gold 2 is connected to a WaveRIDER® NL 2 test pallet. And when connected to a M.O.L.E.™ EV6, a "RIDER" symbol appears on the display. This also automatically sets the M.O.L.E.'s configuration.

WHAT'S IN THE KIT

KITS INCLUDE:

- WaveRIDER® NL 2 pallet
  - Includes 6 sensors & thermal barrier
  - 9", 12", 15" & 18" widths
- Lead-free Polyimide Test Coupon
- M.O.L.E.™ MAP Software
- Quick Reference & Expert Guides
- Carrying Box
- 1 year warranty on materials and workmanship

SYSTEM KITS:

- WaveRIDER® NL 2 Standard Systems
  - E36-9285-00: 229 mm [9 in.] wide pallet
  - E36-9285-02: 305 mm [12 in.] wide pallet
  - E36-9285-05: 381mm [15 in.] wide pallet
  - E36-9285-08: 458 mm [18 in.] wide pallet
- WaveRIDER® NL 2 Custom System
  - E36-9285-12: >145mm [5.7in.] wide pallet

SPECIFICATIONS:

PHYSICAL

Length: 305 mm [12in.]
Height: 33 mm [1.3in.]
Width:
- Standard: 229mm [9"], 305 mm [12"], 381mm [15'], 458 mm [18"]
- Custom: >145mm [5.7"]

Weight:
- 9": 1.36 kg [3.0 lbs]
- 12": 1.72 kg [3.8 lbs]
- 15": 1.86 kg [4.1 lbs]
- 18": 2.61 kg [5.75 lbs]

Max. Operational Temperature (Pallet): 300°C [572°F]

PALLET SENSORS

6 - Distance/Time & Coupon
Special Limits of Error K-Type thermocouple wire
(± 1.1°C or 0.4%, whichever is greater)

COMPLIANCE

CE UKCA

PATENT

Patent No. 5,767,424

WARRANTY

1 year parts and labor

PRODUCT PAGE

ecdusa.co/wr

All information is subject to change at any time without notice.

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