

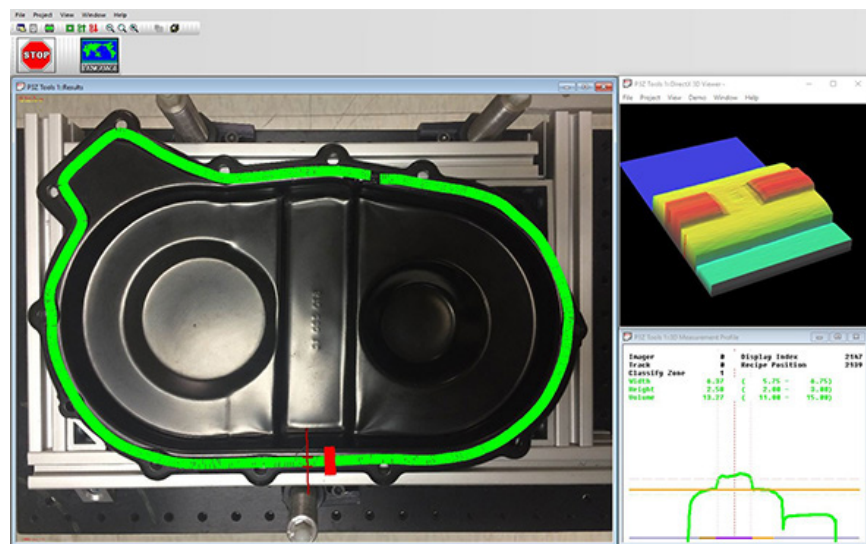
Process Sentry™ Integrated Vision System



Instant quality feedback on 3 dimensional beads and dispense patterns, for higher production confidence

System includes a vision dispense gun, Coherix® sensor, and bead confirmation software, integrated directly into the main system controller

- Large, 15" high definition, color touchscreen offers faster operator interaction time, and more precise segment customization
- 3 Dimensional bead tracking confirms volume of complete bead path is tracked, calculated and stored
- Bead path segmentation allows for pass/fail tolerances to be set differently in critical areas of a process
- Coherix Vision software integrated directly into Nordson's main system control panel provides seamless operation, while reducing line footprint
- Full keyboard and computer mouse provided with every panel simplifies set up and adjustment of tolerances
- Coherix Predator™ multi-laser sensor removes the need for special robotic programming for vision considerations
- Full range of Vision Gun lengths and orifices ensures all beads and difficult to reach dispense areas are easily achievable



Interactive Software

- Measures width, height and calculates volume
- Bead path can be drawn directly over part photograph to teach desired material location
- Color coded pass / fail indicators happen in real time, providing immediate operator feedback
- Direct data feedback to line system, or plant data collection system



Process Sentry Integrated Vision System

3D Integrated Vision System Advantages

- Measures and reports while dispensing for instant feedback, and does not extend production time
- Not affected by ambient light or changes in lighting
- Can accurately measure same colors of bead and surface (for example black bead on a black substrate)

Vision Type	Pass / Fail Part	Material In Location	Width Tolerance Based Verification	Bead Height And Volume Calculation	Complete Path Measurement	No Additional Cycle Time Needed	Can Read Similar Colors	Immune To Ambient Lighting
Confirmation Laser	✓	✓	✗	✗	✗	✗	✗	✓
2D Vision System	✓	✓	✓	✗	✗	✗	✗	✗
Process Sentry 3D Vision System	✓	✓	✓	✓	✓	✓	✓	✓

Dispense Gun Details

	Part Number:	Ambient	Temp Controlled	Electric Heat
Standard Nozzle (2.3" Clearance)	Meter Mounted	1614131	1614129	1614127
	Stand Alone	1614132	1614130	1614128
Extended Reach (7.8" Clearance)	Meter Mounted	1612864	1613488	1612864
	Stand Alone	1612865	1613490	1612865

Control Panel Dimensions

(H x W x D)	Single System	Dual System
Standard Panel - Ambient or Electrically Heated	24" x 26" x 13" (61cm x 66cm x 33cm)	30" x 26" x 13" (77cm x 66cm x 33cm)
TCU Incorporated	36" x 32" x 13" (92cm x 82cm x 33cm)	36" x 32" x 13" (92cm x 82cm x 33cm)



Auto-Flo™ II valve with Coherix sensor

Discover more online : www.nordson.com/process-sentry-plc

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