The ITW Inspiration Single Pass digital InkJet printer has been designed specifically for high resolution decoration. The durable design allows for integration directly into continuous production lines and can also be incorporated into an offline system. This system can print directly to a wide variety of flat to near flat products, including metals, glass, and most plastics. Using industry leading print-heads this new system allows for the greatest throughput and highest quality prints available in the digital InkJet industry.

Compatible Substrates:
- Glass
- Metals
- Nylon
- Plastics: ABS, Polycarbonate, Polyester, Polypropylene, Polystyrene, Polyurethane, PVC
- Powdercoat, Painted Surfaces
- Vinyl
- And many others, depending on application

<table>
<thead>
<tr>
<th>Customer Requirements</th>
<th>ITW Trans Tech Solution</th>
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<tr>
<td>Compact Design</td>
<td>Easily integrates into production and automation</td>
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<tr>
<td>Modular Expansion</td>
<td>Allows for up to 8 colors to maximize system output</td>
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<tr>
<td>High Resolution Imaging</td>
<td>1000+ DPI apparent resolution for optimal quality and detail</td>
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<tr>
<td>Variable Data Functionality</td>
<td>Barcoding, serialization, and many more options</td>
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<tr>
<td>Available with Pinning Options</td>
<td>Allows for printing on multiple color substrates continuously without changing the color or image settings</td>
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Single Pass Technical Data Sheet

**Technical Specifications**

**Overall Dimensions:**
- Overall Height: 43.3 in. (109.98 cm)
- Length: 24.6 in. (62.48 cm)
- Width: 38 in. (96.52 cm)

**Print Head Adjustment:**
- Range & Limits: Print head motion is based on automation and customer application
- Colors: 1 std., optional up to 4 colors
- Resolution (dpi): 360 dpi actual, 1000+ dpi apparent
- Print Speed: 14 (80 fpm) inches per second (IPS)

**Maximum Print/ Part Size:**
- Height: 10 in. (25.4 cm)
- Length: Continuous printing
- Width: 2.7 in. (6.86 cm)

**Operator Work Station:**
- Integrated monitor, keyboard, mouse

**Software:**
- ColorPrint RIP
- Offline pretreating
- Guarding
- Light curtain/ Safety
- Additional print heads
- Tooling

**Facility Requirements:**

**Mass:** ~400 lbs (181.44 kg)

**Electrical:** 240 VAC, 1 phase, 20 amps

**Pneumatic:** N/A

**Software:** GUI Interface to print electronics, OPC server for integration with automation, multiple RIP options available

**Other:** Network connection

**Notes:** 8 to 25 food umbilical between control cabinet and print-head/ ink system