

# Robotic Automation

## One of InfoSight Custom Solutions

InfoSight designs and builds customized automated marking machines that can be integrated with robots to:

- Provide faster cycle times with a smaller footprint in the customer's plant.
- Operate at temperatures from ambient to approximately 2000°F (1090°C).
- Utilize InfoSight marking software, PLC control software, and the Robot software to create a marking system that integrates seamlessly into the customer's process.
- Marking technologies available include:
  - InfoDent® 8400 Stamping Systems
  - LabeLase® Direct Laser Marking
  - Automated Taggers
  - Spray Marking Systems: I-Dent®, Drop on Demand (DOD), Color Banding, Bar Painting



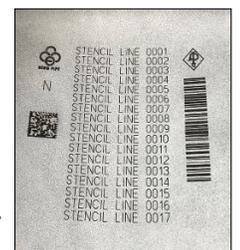
### InfoDent® 8400 Stamping Systems

- Custom ID8400 Marking Head can include multiple rows pins.
- Designed for reliable operation in hot or cold marking applications.
- Permanent, easy to read dot matrix characters using rapid fire, pneumatically-driven, conical tipped impact pins.
- Marks legibly on scaly surfaces & rough, curved, or uneven surfaces.
- Suitable for marking metal products including plates, long products, tubes and pipes, and coils in severe environments.
- Click or Scan the QR Code to see the Robotic InfoDent® 8400 Stamper.



### LabeLase® Direct Laser Marking

- Customized InfoSight LabeLase® Laser Marking Systems print text, logos, and barcodes directly onto Steel Products.
- Applies a white patch that is marked by the laser.
- Temperature range: ambient to 500°F (260°C), but may be modified for higher temperature products.
- Suitable for marking plates and tubes & pipes.
- Click or Scan the QR Code to see this Robotic Inside Diameter Laser Marking System in action.



## InfoSight Custom Solutions Robotic Automation

### Automatic Taggers

InfoSight's Automatic Tagging Systems are designed to apply tags to stationary products such as slabs, beam blanks, bars, rounds, billets, blooms, plates, and coils.

- Automatic taggers have two sections:
  - Tag Prep—prints, shears, and presets the tag to the applicator.
  - Tag Applicator—transfers the tag to the product and attaches it via MIG or stud welding or nailing.
- InfoSight's high powered industrial CO<sub>2</sub> LabelLase® printers blacken the tag's white surface, which allows reliable non-contact printing of large alphanumeric data, high quality barcodes, and logos.
- A robot would be integrated as the tag applicator.



### Spray Marking Systems

Any InfoSight spray marking technology may be integrated as an End of Arm Tool (EOAT) on a robot.

#### I-Dent® Marking Systems

- Utilize a non-contact multi-nozzle printhead, capable of producing a full range of upper case alphanumeric characters 3/4 to 6 inches (19 to 150 mm) high.
- Recommended for high temperature (>500°F, 260°C) applications. (top photo)
- Recommended for ambient temperature applications (top middle photo)

#### DOD systems

- Utilize a non-contact multi-nozzle printhead, capable of producing a full range of upper case alphanumeric characters 3/4 to 6 inches (19 to 150 mm) high.
- Integrate an economical OEM printhead
- Recommended for ambient temperatures. (bottom middle photo).



#### Color Banding and Bar Painting Systems

- Utilize a non-contact single nozzle, or multiple single nozzles, to create a band around or pattern on the end of a tube or pipe.
- Multiple EOAT's can be utilized to create different color bands or patterns.
- Recommended for ambient temperatures. (bottom photo).



Technical specifications are subject to change without notice.

"We Barcode Difficult Stuff" is a trademark of InfoSight.

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