InfoSight

Flyer 1005

# Structural Shape Marking System


**Typical Structural Shape Marking System**

**Features**

The InfoSight Jib Marker for Structural Shapes is a highly flexible solution for non-contact stencil marking of a great assortment of structural shapes moving through the structural mill.

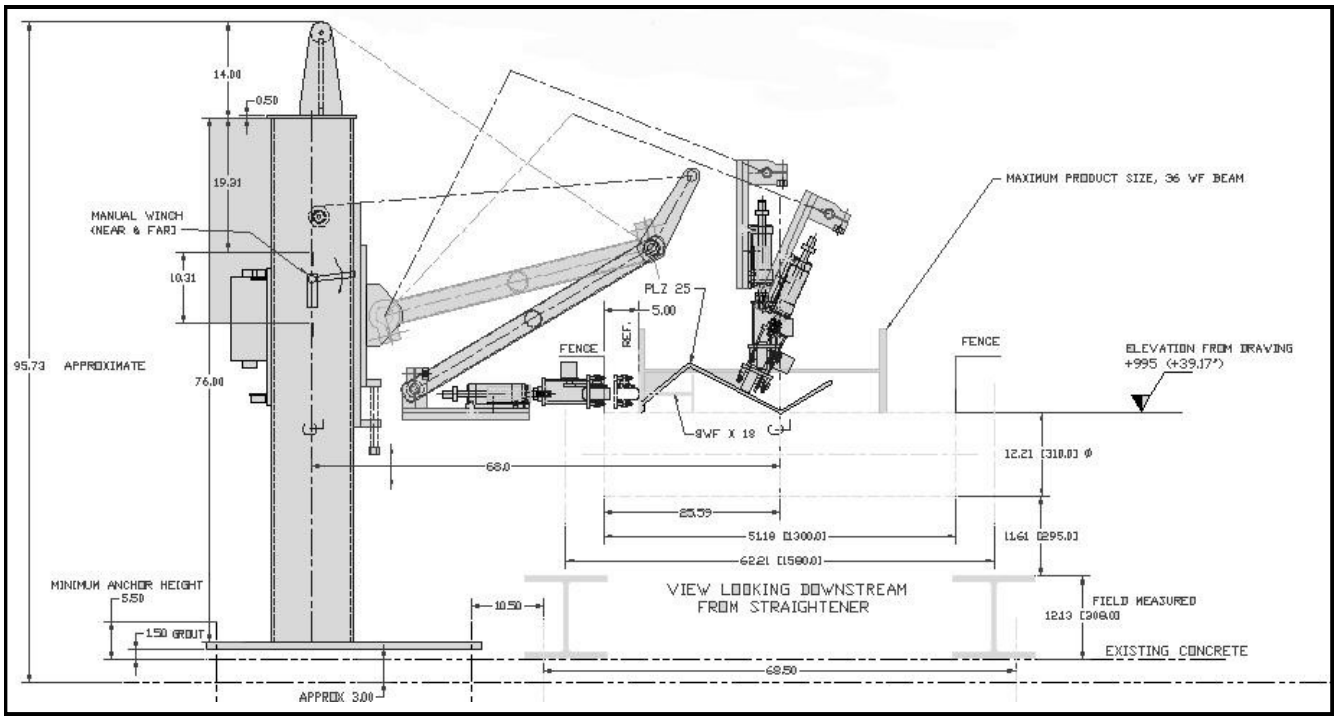
The marking system is capable of producing a full range of large upper case alphanumeric characters. Systems can be configured to mark text, logos and InfoSight OC™ bar codes which allow the product to be identified in the mill using automatic identification methods.

A wide variety of inks are available to meet most marking applications. Specific inks have been developed to handle ambient temperature, high temperature, and oil-covered shapes.

The ink system control panel contains controls for normal operation, cleanup and maintenance operations.

- Non-Contact Printing with highly visible white or colored pigmented inks
- 7, 9, 16 and 32 nozzle or jet arrays are available
- Line Speeds up to 400 FPM (2 mps) are typical, usually at straightener exit
- Local Terminal and/or Host Computer downloaded date entry is possible
- Available marking technologies
  - I-DENT® air-nebulized marking technology (cold or hot)
  - DOD (drop-on-demand) marking technologies can be utilized (Examples—Rea-Jet, Matthews, and others) - cold only

InfoSight Corporation
20700 U.S. Highway 23
Chillicothe, Ohio 45601 USA
Tel: +1-740-642-3600
Email: sales@infosight.com




**Typical flexible marking jib design accommodates**
**W-shapes, S-shapes, channels, and Z-piling shapes, and others, for example**

**Utility Requirements:**

- Electrical Supply—120 VAC, 5 amps or 220 VAC, 2.5 amps, 50-60Hz, 1 PH, Conditioned
- Air Supply—90-120 psig (4.8—8.3 bars), 20 cfm typ. (clean, dry)
- I/O—24 VDC typical;, other options available
- Data download via Ethernet TCP/IP
- Please consult with InfoSight to discuss your specific requirements

**Additional Options:**

- Ambient or hot marking systems - Up to 1800°F (1000°C)
- Custom-designed product handling equipment
- Custom data handling
- Air conditioned Electronics Enclosure if required
- Multiple message buffers store pre-configured messages
- Automatic cleanup for print head nozzles
- Pushbutton controls for local or pulpit based controls
- Encoder displacement sensor allows for variable product speed without excessive text distortion
- Machine adjustment allows marking head to be adjusted to conform to almost any structural shape
- Extend/Retract mechanism extends the marking head during marking process
- Heavy duty construction, built and designed for harsh mill environments
- Please consult with InfoSight to discuss your specific requirements

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