



InfoSight Corporation

"We Barcode Difficult Stuff"™

2951 FLAGTAG® SYSTEM

Automatic Billet Tagging

Features

- Fully Automatic (Significant Labor Savings)
- Consistent, High Quality Bar Codes Meet AIM Specifications
- Non-Contact Tag Marking
- Rugged Marked Tag Survives High Temperatures (926 °C/ 1700 °F)
- High Reliability
- Low Cycle Time - 15 Seconds
- Proven Reliable Mig Welding
- Rugged Constructions



Overview

InfoSight's 2951 FlagTag® Marker and Applicator uses a moving, focused CO₂ laser beam to darken the pre-coated (white) tag surface to produce high definition black characters, bar codes, or even logos. The text and bar code data is downloaded from a host computer or entered from an operator terminal. The resultant tag is then automatically sheared and mig welded to slabs, billets or blooms.

Tag material is contained on a roll external to the machine. A 100 lb. roll of high temperature tag stock is fed using an uncoiler into the machine. The stock consists of 31.75mm (1.25") wide, .2032mm (.008") thick stainless steel specially coated to withstand high temperatures. Once the data is downloaded to the 2951, the 76.2mm (3") to 127mm (5") long (programmable) tag is then printed and sheared to length. In the second (concurrent) operation, the 2951 positions the tag with respect to the bottom edge of the product and applies (via mig weld), the tag to the end face. The 2951 system consists of an electronics cabinet, the marker/applicator, the uncoiler and an operator's terminal.

2951 Specifications

Marking Method.....	Focused Co ₂ Laser Beam (50w)
Laser Life.....	15,000 Operating Hours Typical
Cycle Time.....	15 seconds
Tag Editing.....	1-20 Text Fields. Character Size 2.54mm (.10") - 31.75mm (1.25") 1-8 Bar Codes (scaleable) 1-8 Logos 1 User Definable Characters, Bar Codes, Logos Rotation
Operator Screen.....	VT220 Terminal Supplied
Security Controlled.....	Password Entry Optional
Tag Size.....	31.75mm (1.25") wide by 76.2mm (3") to 127mm (5") long (programmable)
Tag Temperature Survival.....	1700°F to Cool Down
Bar Code Symbologies.....	Code 128 (A,B,C) Interleaved 2 of 5 Code 39 Numbra
Power Requirements.....	440VAC (50 or 60 Hz), 5KVA
Air Requirements.....	90-120 psig (4.8-8.3 bars) Clean and Dry 10 cfm max.
Argon Requirements.....	2 lbs per hour (max)
Physical Dimensions.....	1143mm x 2895mm x 1879mm 45" x 114" x 74"
Communications.....	InfoSight Extended Protocol (RS232 or RS422 Transport Layer)