

## ENGRAVING EQUIPMENT

### Application Profile

“Tagged” by DualVee® Technology



### Challenge

The increasing population of pets and the need for secure property identification inspired The Hillman Group, a hardware industry supplier of fasteners, key and key accessories, letters, numbers and signs, and numerous specialty and point-of-purchase items, to design a personal and pet identification tag engraving machine. Hillman was looking for a linear motion based system that could smoothly guide an engraving head as it moves back and forth, engraving the metal tag. The harsh metal chip environment, space and cost constraints, and ease of integration were key factors when it came to choosing the best technology for this application.

### Application Description

Mainly found in pet stores, the state-of-the-art QuickTag™ is a computer-driven, stand-alone machine that engraves personal identification and pet I.D. tags in less than two minutes. The customer first chooses a tag style and text from a video touch screen above the engraver and then watches it being made through an observation window. A blank metal tag is dispensed into a designated slot depending upon its size and shape. The engraving head automatically positions itself above the tag and engraves the information typed in from the touch screen.

### Solution

DualVee® wheels, track and bushings were chosen to help guide and position the engraving head as it moves back and forth over the metal tags. DualVee allowed the design to be more compact due to its seamless integration and easy configuration into the machine. It also proved to be more cost effective compared to other rail technology. DualVee provides smooth motion and the ability to wipe metal chips away from the track which are important features that enable the equipment to produce high quality engraved tags.

### Products Used

#### DualVee®

- Size 2 Guide Wheels
- Size 2 Track
- Size 2 Bushings



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