

Tire ID

Tire Identification System

The **Tire Identification System** utilizes Bytewise Sheet-of-Light Laser Profile Sensors (VHSL) to digitize the tire surface geometry, search the geometry data set for a specified pattern, and convert the pattern into human readable and machine readable text. Identification is performed on molded characters including DOT Codes and mold pattern numbers.



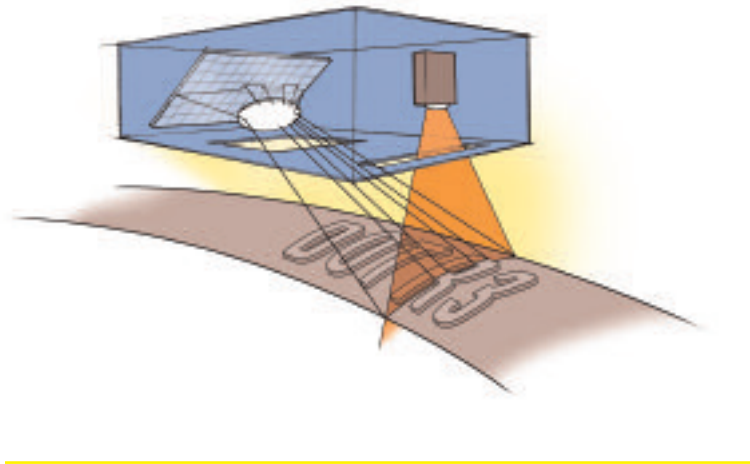
Features

- VHSL Sensor
- Free-standing mechanical system
- Easy to use Software

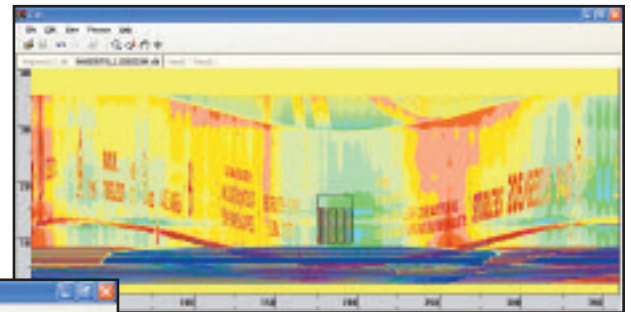
Benefits

- Sensor combines detector and laser light source so as to reduce problems due to lighting angle or distance.
- Designed to recognize black characters on a black background.
- Gantry structure straddles user's tire handling conveyor.
- No precision tire-centering or rotating required.
- Automatic tire size and location detection.
- Easy Teach Routines.
- 3-D Visualization of scanned characters.

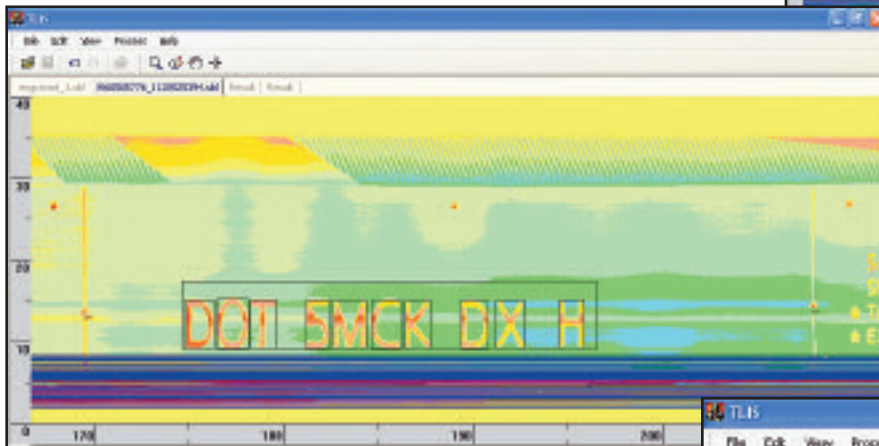
How It Works



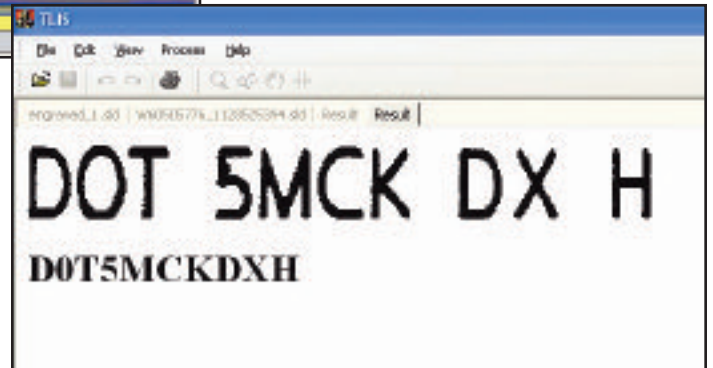
Software



Raw Data Scan



Zoom View of DOT Code Characters



Zoom View of Translation Window

Specifications

Measurement Parameter

Scan Time	2sec
Process Time	<2sec
Minimum Character Size	4x4x1mm (LxWxH)
Scan Path Width	50mm
Laser Classification	IIIa CDRH

