

## LASER APPLICATION NOTE 2050

TELESIS

ProScript®

**Application:**

Identification of aluminum castings



**Mark depth:**

0.001 to 0.008 inch (0.025 to 0.203 millimeters)

**Material:**

Aluminum Casting

**Mark Type:**

Alphanumeric, 2d code, Logo

**Cycle Time:**

Varies for mark type. Typically less than 20 seconds

**Laser Advantage:**

Speed of mark, ease of integration into process, high mark quality and readability.

**Recommended Laser:**

ProScript Nd:YAG 70 Watt and higher

**Process Notes:**

*When using an Nd:YAG, the contrast on bare aluminum is developed by cutting into the aluminum. The shadows caused by the width and the depth of the cut will develop the contrast. Surface disruption only with light matte finish may also be possible. Readability tests should be done when machine-readable codes are to be used.*