

## LASER APPLICATION NOTE 2160

**TELESIS**

*ProScript*<sup>®</sup>

**Application:**

Identification on colored plastics



**Mark depth:**

Surface to 0.0005 inch (0 to 0.0127 millimeters)

**Material:**

Various plastics

**Mark Type:**

Alphanumeric, Logo, Barcode, 2d code, Schematics

**Cycle Time:**

Varies for mark type. Typically less than 0.5 seconds

**Laser Advantage:**

High quality, high contrast dark mark with high mark speed and ease of integration of logos and serialization

**Recommended Laser:** ProScript Nd:YAG 75 Watt and higher

**Process Notes:**

*Using the ProScript Nd:YAG a dark mark is developed by burning the characters causing a typically black mark that is characteristically raised against the background. The type of plastic and the color of plastic will affect marking quality. Readability tests should be done when machine-readable codes are to be used.*