

LASER APPLICATION NOTE 2120

TELESIS

ProScript®

Application:

Identification of automotive and aerospace fuel and vacuum components.



Mark depth:

0.0005 to 0.005 inch (0.0127 to 0.127 millimeters)

Material:

Nylon and similar high temperature plastics

Mark Type:

Alphanumeric, Barcode, 2d code, Logo, Schematics

Cycle Time:

Varies for mark type. Typically less than 5 seconds

Laser Advantage:

High mark speed and ease of integration of logos and serialization into process. Permanent cosmetically appealing mark not affected by fuels or oils.

Recommended Laser:

ProScript CO₂ 25 Watt and higher
ProScript Nd:YAG 75 Watt and higher

Process Notes:

Both the ProScript CO₂ and the ProScript Nd:YAG can be used to mark directly onto the material the typical mark is a cutting mark with the contrast of the mark developed by the width and depth of the cut. A light bleached mark may also be possible some materials. Test should be done if machine-readable codes are to be used.