

LASER APPLICATION NOTE 2070

TELESIS

ProScript®

Application:

Identification of stainless steel fittings.



Mark depth:

Surface to 0.005 inch (0 to 0.127 millimeters)

Material:

Stainless Steel

Mark Type:

Alphanumeric, Barcode, 2d code, Logo, Schematics

Cycle Time:

Varies for mark type. Typically less than 25 second

Laser Advantage:

Cosmetically appealing black mark on stainless. High speed of mark. Ease of integration of logos and serialization into process,

Recommended Laser:

ProScript Nd:YAG 70 Watt and higher

Process Notes:

ProScript Nd:YAG causes surface darkening by annealing the stainless steel. Laser can also be used to cut into the stainless. Surface disruption only with a light matte finish on the stainless may also be possible.