

BOSTON LASERS
Material Processing
Data Sheet for CO2 Lasers

	<u>Laser Cutting</u>	<u>Laser Etching</u>	<u>Laser Marking</u>	
Acrylic	Good	Good	Good	
ABS Plastic	Good	Good	Good	
Adhesives (PSA)	Good	N/R	N/R	<u>KEY:</u>
Aluminium	N/R	N/R	Good	Good = Processes Great
Aluminium, anodized	N/R	N/R	Good	Fair = Mediocre Results
Aramid	Good	N/R	N/R	N/R = Not Recommended
Balsa Wood	Good	Good	Good	
Card Stock	Good	Good	Good	
Ceramics, Porcelain, Stoneware	N/R	Good	Good	
Chip Board	Good	Good	Good	
Copper	N/R	N/R	Good	
Corrugated Board	Good	N/R	Good	
Delrin, Polyoxymethylene (POM)	Good	Good	Good	
Fiberglass	Good	Good	Good	
Film	Good	Good	Good	
Fine Paper	Good	Good	Good	
Fleece	Good	Good	Good	
Flouropolymers	Good	Fair	Fair	
Foam	Good	Good	Good	
Foam Core	Fair	Good	Good	
G-10	Good	Good	Good	
Gator Board	Good	Good	Good	
HIPS, High Impact Polystyrene	Good	Good	Fair	
Hypalon	Good	Fair	Good	
Kapton®	Good	Good	Good	
Kevlar®	Good	Good	Good	
Leather	Good	Good	Good	
Lexan	Good	N/R	Good	
MDF & MDO Plywood	Good	Good	Good	
Melamine	Good	Good	Good	
Membranes	Good	Good	Good	
Microporous Rubber	Good	Fair	Good	
Neoprene Rubber	Good	Fair	Good	
Nylon	Good	Good	Good	
P.E.T. & P.E.T.G.	Good	N/R	Good	
Paper	Good	Good	Good	
Phenolics	Good	Fair	Good	
Plastic Fabric	Good	Good	Good	
Plastics	Good	Good	Good	
PMMA	Good	Good	Good	
Polycarbonate	Good	N/R	Good	
Polyester	Good	N/R	N/R	
Polyester Fleece	Good	Good	Good	
Polyethylen (PE) protective film	Good	Good	Good	
Polyimide (PI)	Good	Good	Good	
Polypropylene (PP)	Good	N/R	Good	
Polystyrene	Good	N/R	N/R	
Polysulfone	Fair	N/R	N/R	
Polyurethane	Good	Good	Good	
Pressure Sensitive Adhesive (PSA)	Good	N/R	N/R	
Rip-stop Nylon	Good	N/R	Fair	
Rubber	Good	Good	Good	
Sailcloth	Good	Good	Good	
Sand Paper	Good	Good	Good	
Silicon	Good	Good	N/R	
Stainless Steel	N/R	N/R	Good	
Steel	N/R	N/R	Good	
Stencils of paper & plastics	Good	Good	Good	
Stone, Granite, Marble	N/R	Good	Good	
Textiles: Natural, Synthetic, Medical-tech	Good	Good	Good	
Thermoplastic	Good	Good	Good	
Ultem Plastic	Good	Good	Good	
Urethane Rubber	Good	Good	Good	
Veneer	Good	N/R	Good	
Wood: Hard, Soft or Plywood	Good	Good	Good	

and Much More...