### **Fiber Laser Cutter**

About	Fiber laser cutters are very useful for cutting and engraving flat sheet metals and metal tubing. Light from laser diodes is sent in optic cable where a specific wavelength is generated and amplified, the resulting laser beam is guided into the material.			
	Laser beam kerf is approximately 0.005 in (0.127 mm), but varies based on material, thickness, cut geometry, and environmental factors.			
Categ ory	2D Fabrication			
Locat ion	Back Room			
Bran d /Mod el	FabLight FL4500			
Status	AVAILABLE			
Mater ials	<ul> <li>Steel, 0.25 in. (6 mm) max thickness</li> <li>Stainless Steel, 0.188 in (4.8 mm) max thickness</li> <li>Aluminum, 0.188 in (4.8 mm) max thickness</li> <li>Copper and alloys, 0.065 in (1.65 mm) max thickness</li> <li>Titanium, unknown max thickness</li> <li>Molybdenum, unknown max thickness</li> <li>Graphite, unknown max thickness</li> </ul>			



# **Standard Operating Procedure**



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# **Sheet Cutting**

### **Tube Cutting**

# **Training**

Sign up for training here: Training Registration Calendar

Training	Туре	Time Estimate	Prerequisites	Checklist/Document
FLC - Training 1- Sheet Training	C - Training 1- Sheet Training		None	
	ON-MACHINE			

### **Documentation**



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Safety Data Sheets	None
Hazard Assessments	
Application Resources	Fab Light Knowledgebase
	Fab Light Youtube Channel
Manufacturer's Manuals	