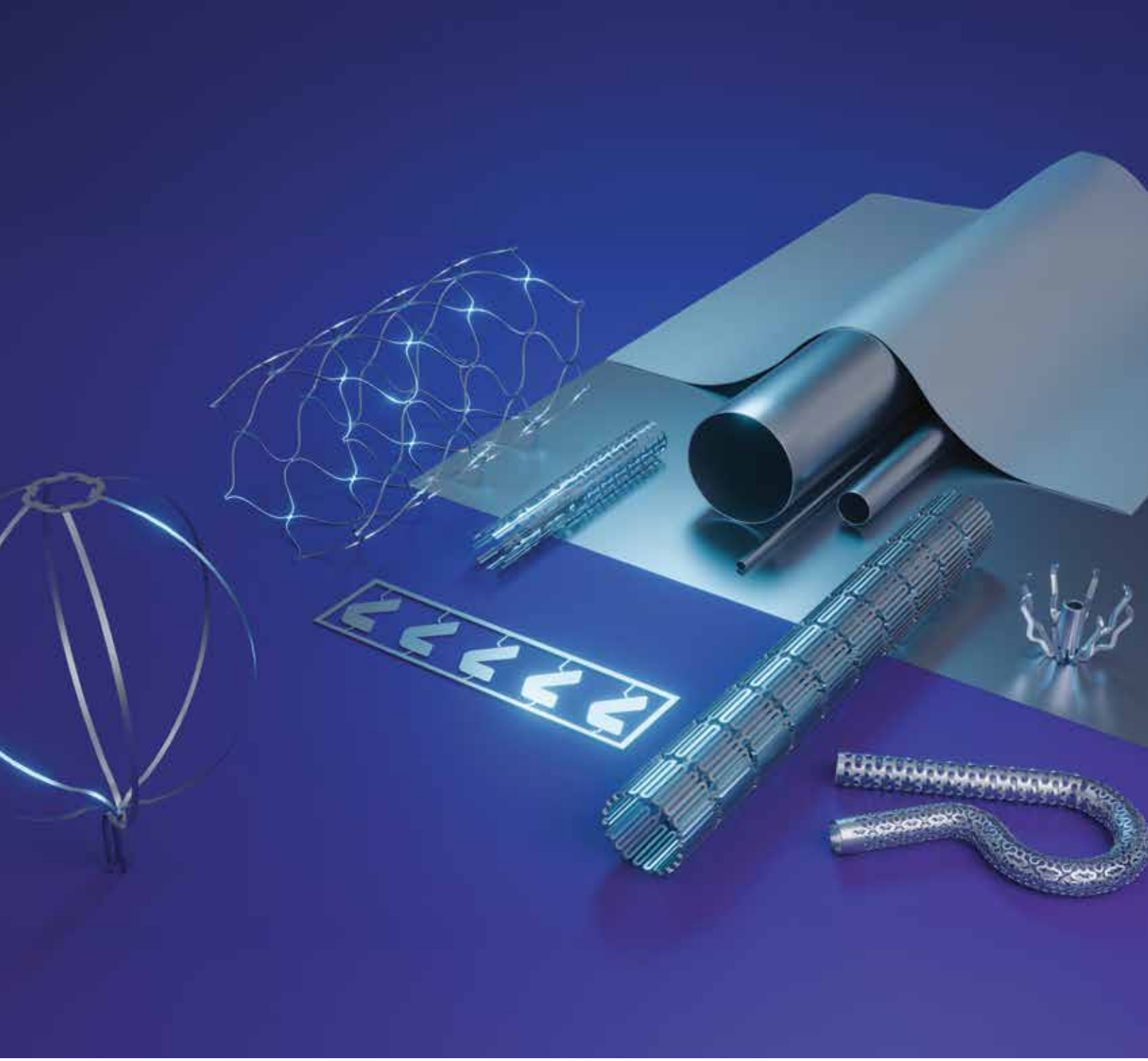

TECHNICAL DATASHEET

Nitinol Components, Sheet, and Tubing

Lighteum Medical

	Nitinol Sheet	Nitinol Tubing
DESCRIPTION	World-class Nitinol sheets capable of exceptional thickness uniformity at extreme thinness	High reliability Nitinol tubing optimized for catheter delivery systems. Can be laser processed into complex structures
TOLERANCE	10% of thickness	Range: ± 0.0005 - 0.002 in
DIMENSIONS	Thickness: 0.002 - 0.090 in Width: ≤ 4 in Length: ≤ 20 in	OD Range: 0.010 - 0.393 in ID Range: 0.006 - 0.300 in
SURFACE FINISH	Oxide Etched	Etched, Oxide, Centerless Ground, Light Oxide, Oxide free
ACTIVE A_f	Superelastic • Shape Memory • Custom	
QUALITY STANDARDS	Meets or exceeds all applicable ASTM standards for Nitinol	

Advanced Nitinol Manufacturing Processes

FEMTOSECOND LASER CUTTING

Tube cutting and drilling; on- and off-axis
Flat sheet cutting
Multi-axis ablation

SEMI-AUTOMATED LASER WELDING

3- and 4-axis capability
Fiber-based systems with coaxial camera
Welding Applications: pull-rings, PGM electrodes, subassemblies, radiopaque markerbands

ELECTROPOLISHING

16 Independent workstations, largest in SoCal
Full-scale production capability
Standard chemicals or custom-developed
Materials include Nitinol, SS, CoCr, Titanium

SHAPE-SETTING AND WIRE FORMING

Automated salt bath and fluidized bed heat shaping
Custom-engineered shape-set tooling
DSC testing for tuning Nitinol Af temperature

Lighteum Medical

+1-800-528-2075
contact@lighteum.com
www.lighteum.com