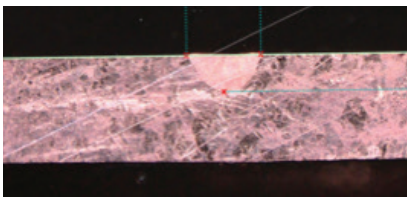


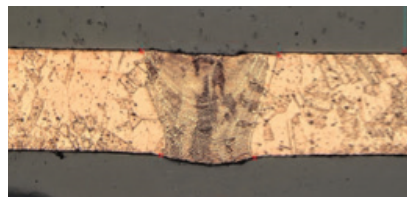
WHY BLUE BEATS INFRARED LASERS

SPATTER-FREE™ Copper Conduction & Key-hole Welding

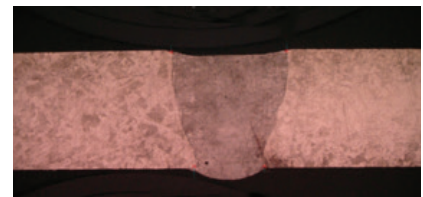
Conduction Mode



Transition Mode



Keyhole Mode



NOT POSSIBLE WITH INFRARED

COPPER FOILS



40 x 10µm Cu foil

COPPER SHEETS

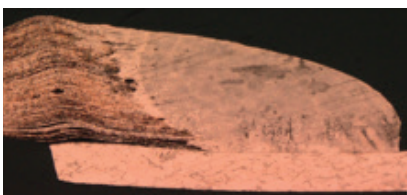


254µm Cu

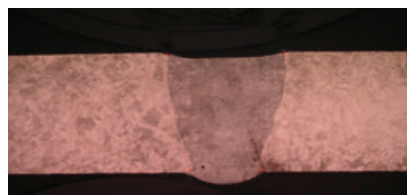
DISSIMILAR METALS



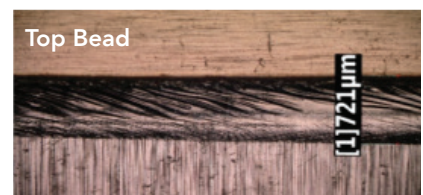
2 x 200µm Cu & SS Lap



70 x 8µm Cu foil to 254µm Tab



1mm Cu



Top Bead

Copper & Aluminum Butt



70 x 8µm Cu foil to 500µm SS Tab



2 x 200µm Cu on top of 400µm Cu



Bottom Bead

Copper & Aluminum Butt

HIGH POWER – HIGH BRIGHTNESS

NUBURU's high power, high brightness BL and BL-F Series broke new ground in material processing. With power ranging from 125W to 1kW and BPP's from 5 to 15 mm*mrad, they provide higher brightness to the superior capabilities of blue. They are ideal to weld copper, both electrical and structural aluminum, gold and stainless steel with thicknesses from 6µm up to 1mm.

Blue lasers bring substantially improved metal quality with increased process speed from 2 to 10× versus all infrared lasers in welding, cutting, soldering, and additive manufacturing. NUBURU continues to offer the highest performance blue lasers in the industry, bringing game-changing capabilities to energy storage, consumer electronics and general electronics packaging, e-mobility, additive manufacturing and aerospace manufacturing.

eMobility/Energy Storage



Consumer Electronics



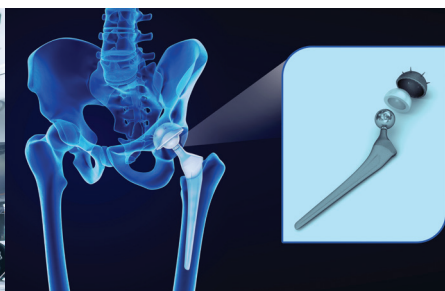
Automotive



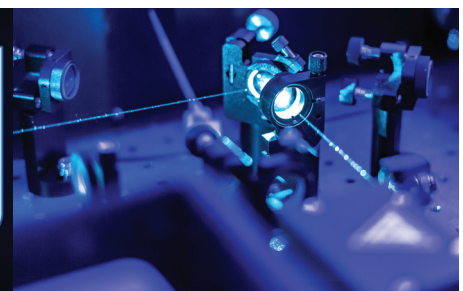
Aerospace



Healthcare



Research



7442 South Tucson Way
Suite 130
Centennial, CO 80112

Tel: +1 720-767-1400
sales@nuburu.net
www.nuburu.net

NUBURU®
The Blue Laser Company™