POLARIS
LASER LAMINATIONS, LLC.

A Reliable Resource for Your Business

In This Issue

Quick Links

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Let's Bond! Our September newsletter is here! Some of our customers were recently inquiring about our chemical bonding process Below is a simple breakdown.

Did You Know...

At times, welding your sheets or punchings may not be the best route depending on the purpose of your pieces. Bonding may be used to reduce interlaminar loss and corrosion.
For our customers who are looking for cores with great thermal conductivity, no hum noise, and are resistant to temperature changes, we offer bonding.

Other Benefits of our Bonding Methods include:
Homogenic core stack
No interlaminar cross-circuit in the stack
No other fixing method for the electrical core is necessary
Exact stack dimensions and flexibility in design
Good surface insulation resistance
Excellent squeezing resistance
Well-defined technical bonding properties

Take a look at our bonding process:

We begin by coating both sides of the part with our bonding agent.

The parts are then oven cured.

A fixture is built to help hold the parts together.

The parts are stacked and compressed.

The fixtures are then oven cured a second time. The parts come out fused together.

Our leading technology and staff of experts work together to give you a high quality product on time. We will send you updates as our capacities continue to grow!

Services

Laser Cutting

Laser & Tig Welding

Bonding

C-5 Coating

Refurbishing

Reverse Engineering

Stacking

Materials in Stock:

24 ga (.025) M-19 with C-5 Insulation (ASTM A677 64F200)
26 ga (.0185) M-19 with C-5 Insulation (ASTM A677 47F165)
29 ga (.014) M-19 with C-5 Insulation (ASTM A677 36F145)
Arnon 5 and Arnon 7 with C-5 Insulation
.014 thick Hiperco 50
.010, .015, .020, .030 thick Nomex 410
.005 thick Kapton
16 gage and 22 gage cold rolled steel
1/4 inch thick hot rolled steel

We are a reliable, solutions driven business focused on providing you with the best product for your needs.

Sincerely,

Lynn Girard
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