



A Reliable Resource for Your Business

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We have sent you newsletters in order to give you an overview of some of the services we offer. Thank you for allowing us to do so and for taking the time to read them.

We know that receiving quality products is important to you. We would like to take this opportunity to let you know that quality is also important to us.



Quality and Inspection

Polaris Laser Laminations takes great strides to ensure that every job that leaves our facility undergoes a series of quality inspections. Not only do we comply with industry standards but we also have in house methods to make sure our customers are given parts that will help them stay competitive in their markets.

We inspect our laminations with state of the art inspection equipment. The automated inspections allow us to do so quickly and accurately even on the most demanding jobs. Our skilled quality inspectors also check every part to make sure that it matches our customers individual specifications.

Inspection – is performed on laminations to meet with industry standards.

- We inspect laminations with our state of the art inspection equipment.
- We offer fully automated inspection to 20 millionths resolution.
- PPAP certification



Shown here is an example of a part run on our inspection machine. Notice that there are no tolerances out of specification. Our inspection machine will only print out the actual dimensions from the part.

Feature	Actual	Nominal	Upper	Lower	Dev/Nom	Out/Tol
Circle 7 Diameter	[System 6] 30.9041	30.9060	0.0020	-0.0080	-0.0019	
Circle 8 Diameter	[System 6] 22.1271	22.1270	0.0100	-0.0100	0.0001	
Distance 11 Distance XY	[System 6] 1.6725	1.6740	0.0100	-0.0100	-0.0015	
Arc 12 Radius	[System 6] 0.0394	0.0310	0.0150	-0.0150	0.0084	
Arc 13 Radius	[System 6] 0.0358	0.0310	0.0150	-0.0150	0.0048	
Circle 56 Diameter	[System 6] 27.7198	27.7200	0.0100	-0.0100	-0.0002	
Arc 57 Radius	[System 6] 0.0332	0.0310	0.0150	-0.0150	0.0022	
Arc 58 Radius	[System 6] 0.0298	0.0310	0.0150	-0.0150	-0.0012	
Distance 61 Distance XY	[System 6] 2.1873	2.1830	0.0150	-0.0150	0.0043	
Distance 64 Distance XY	[System 6] 2.1871	2.1830	0.0150	-0.0150	0.0041	
Distance 70 Distance XY	[System 6] 0.3786	0.3900	0.0150	-0.0150	-0.0114	
Distance 76 Distance XY	[System 6] 0.3835	0.3900	0.0150	-0.0150	-0.0065	
Angle 82 Angle	[System 6] 19.9926	20.0000	1.0000	-1.0000	-0.0074	
Distance 85 Distance XY	[System 6] 0.1545	0.1550	0.0150	-0.0150	-0.0005	
Distance 86 Distance XY	[System 6] 0.1546	0.1550	0.0150	-0.0150	-0.0004	
Angle 96 Angle	[System 6] 9.9965	10.0000	1.0000	-1.0000	-0.0035	
Distance 99 Distance XY	[System 6] 0.9984	1.0000	0.0300	-0.0300	-0.0016	
Distance 100 Distance XY	[System 6] 0.3144	0.3125	0.0300	-0.0300	0.0019	
Distance 116 Distance XY	[System 6] 27.3642	27.3650	0.0100	-0.0100	-0.0008	

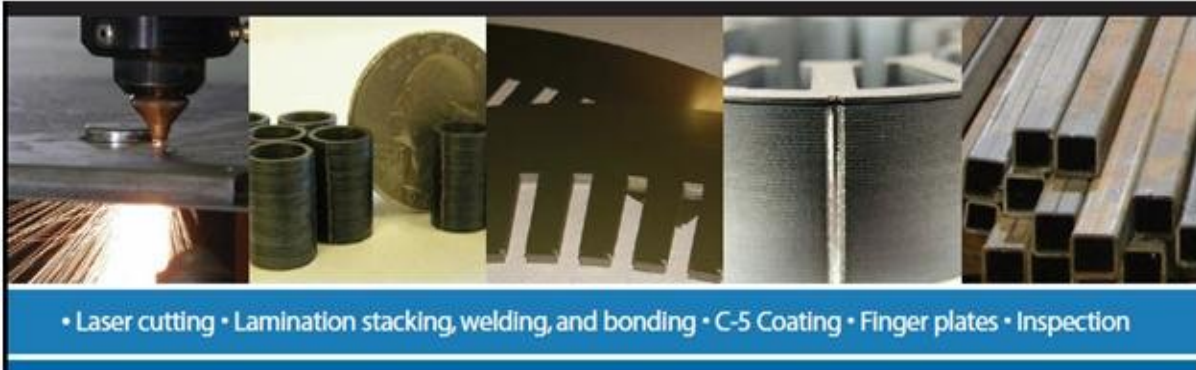
This is the Blueprint specification

These are the +/- Tolerances

This is the deviation from tolerance

If the part is out of specification

This is the laser cut part being inspected



Materials in stock

- 24 ga (.025) M-19 with C-5 Insulation (ATSM A677 64F200)
- 26 ga (.0185) M-19 with C-5 Insulation (ATSM A677 47F165)
- 29 ga (.014) M-19 with C-5 Insulation (ATSM 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
- .010 HF-10 C-5 (Made by AK Steel)

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