



Capabilities

lightcomposites.net

hello@lightcomposites.net

858.204.8880



Who are we?

- Light Composites is a San Diego based carbon composites manufacturer serving the:
 - consumer products,
 - medical device, and
 - aerospace industries.
- We specialize in:
 - mold making,
 - pre-preg, compression and bladder molding,
 - product development,
 - rapid prototyping, and
 - CAD/CAM/CAE/FEA.





Third Party Accreditations



- **AS9100D QMS Compliant: Certificate #1665**
 - International Standards Authority, Inc. is accredited by the ANSI-ASQ National Accreditation Board (ANAB)
- **ISO9001:2015 QMS Compliant: Certificate #1665**
 - International Standards Authority, Inc. is accredited by the ANSI-ASQ National Accreditation Board (ANAB)
- **Joint Certification Program (JCP)**
 - Defense Logistics Agency
- **International Traffic in Arms (ITAR) Registered**
 - Registration #M39238



INTERNATIONAL
STANDARDS
AUTHORITY, INC.



International Traffic
in Arms Regulations

ISA (ANAB Accredited Registrar)



Certificate of Registration

This is to certify that the Quality Management System of

Light Composites
11880 Community Road, Ste 350
Poway, CA 92064
(Single Site Structure)

has been assessed for conformance with the provisions set forth by

**ISO 9001:2015
AS9100D**

Scope of Registration

Manufacturer of composite molds and structural components for medical, aerospace, and consumer industries.

The assessment was performed in accordance with the requirements of the latest version of AS9104/1:2012-01
ISA is accredited under the ICOP Scheme.

Certificate No. 1665
Issue Date: 04/24/2018
Expiration Date: 04/23/2021
Certified since April 24, 2018



The conditions for maintaining this certificate of registration are set forth in ISA's Registration Policies 5.1. This registration is granted subject to the organization maintaining compliance to the noted standard. The validity of this certificate is dependent upon ongoing surveillance audits.

President *Karish Jalil*

International Standards Authority, Inc.
www.isaregistrar.com
525 Queensland Cir.
Corona, CA 92879, USA
Tel: 951-736-0035

AS9100D : ISO9001:2015

U.S. Department of State



United States Department of State
Bureau of Political-Military Affairs
Directorate of Defense Trade Controls
Washington, D.C. 20522-0112

May 3, 2018

Michael Slocum, VP
Light Composites
11880 Community Road Ste 350
Poway, CA 92064
MICHAEL@LIGHTCOMPOSITES.NET

REGISTRANT CODE: M39238
EXPIRATION DATE: 05/31/2019

Reference: Manufacturer Registration Statement and Fee Submission

Dear Mr. Slocum:

The Office of Defense Trade Controls Compliance received your registration statement and fee to register as a manufacturer. We have reviewed your registration statement and your registration code is M39238, which expires on 05/31/2019.

Any person who engages in the United States in the business of either manufacturing or exporting defense articles or furnishing defense services is required to register and keep that registration current with this office pursuant to the Arms Export Control Act (AECA) and the International Traffic in Arms Regulations (ITAR Part 122). Registration serves as a precondition to submitting an application for an export license or other approval from the Directorate of Defense Trade Controls (DDTC), or to use export exemptions. This registration does not satisfy the requirements for registering as a broker pursuant to ITAR Part 129.

As you are the senior officer empowered to sign the registration statement, we ask you to maintain records consistent with ITAR Section 122.5 regarding: 1) The key senior officer listed on the registration who will oversee the compliance program and be responsible for designating the direct employees who will serve as "empowered officials" at their place of employment, and 2) A list of qualified, direct employees who will serve as "empowered officials" by name, position, business unit, phone and fax numbers and email addresses. Please note that third parties (individuals who are not direct employees, such as consultants, subcontractors or outside counsel, for example) cannot serve as "empowered officials."

ITAR Section 122.5 requires you to maintain records concerning your registration and the manufacture, acquisition and disposition of defense articles; the provision of defense services; and information on political contributions, fees, or commissions furnished or obtained, as required by ITAR Part 130. Records maintained shall be available at all times for inspection and copying by this office or by Customs officials. To maintain such records, managers,

ITAR : EAR

Defense Logistics Agency



6/12/2018 3:03 PM

UNITED STATES/CANADA JOINT CERTIFICATION OFFICE

DLA Logistics Information Services

74 Washington Ave N
Battle Creek, Michigan 49037

Subject: **Approved Military Critical Technical Data Agreement, DD Form 2345**

To Whom It May Concern:

Your application for certification under the United States/Canada Joint Certification Program (JCP) has been **ACCEPTED**. Along with this approval letter a copy of the **APPROVED** DD Form 2345 has been attached to your approval email. Your entity's certification number that has been assigned is shown in Block 7b on the attached form. This certification is valid for a five year period with the expiration date shown in Block 7c.

All future requests for Unclassified DoD Export Controlled Military Critical Technical Data or requests for Directly Arranged Visits (DAV) initiated by your facility must be accompanied by a copy of your facilities approved DD Form 2345 and a statement of intended data use.

NOTE: The Joint Certification Program Office does not provide access to DoD Unclassified Export Controlled Military Critical Technical Data

To gain access to DoD Unclassified Export Controlled Military Critical Technical Data, you must register with the following agencies:

DLA Internet Bid Board System (DIBBS) HELP: <https://www.dibbs.bsm.dla.mil/Refs/help/DibbsHelp.htm>

Points of Contact for problems with cFolders:

System Issues/Passwords and Resets – helpdesk (1-855-DLA-0001) 1-855-352-0001

Customer Service for Data Issues – 804-279-3477 (DSN 695-3477)

Or <https://www.dibbs.bsm.dla.mil/feedback/>

Federal Business Opportunities (FBO) office at 1-866-606-8220 <https://www.fbo.gov/?s=main&mode=list&tab=list> and reference the request number 3537 to set up your Marketing Partner Identification Number (MPIN). The MPIN is your password for the drawings.

Certified contractors must submit a revised DD Form 2345 whenever information previously furnished becomes outdated; for example, name of company, new person designated as the Data Custodian, or if there is a change of address information. A fillable PDF version of a blank DD Form 2345 is available from the main web page of the [JCP website](http://jcp.dla.mil).

Please contact our office by email at JCP-Helpdesk@dlamail should you have any questions concerning the Joint Certification Program. Please use JCP-ADMIN@dlamail for DD Form 2345 submissions and revisions.

If you have any other questions, DLA Customer Interaction Center (CIC) is available 24 hours a day, 7 days a week, including government holidays. Toll Free: 1-877-DLA-CALL (1-877-352-2255) or Email: dlacustomercenter@dlamail

In closing, it is highly recommended that a copy of this letter and your approved DD Form 2345 be retained and kept in a safe place for future use.

Respectfully,

U.S. / Canada Joint Certification Program Office
Defense Logistics Agency

Logistics Information Services-134

HQ Federal Center 74 Washington Ave North Battle Creek, MI USA 49037-3084

Web: <http://www.dla.mil/HQ/InformationOperations/Offers/Products/LogisticsApplications/JCP.aspx>

JCP



Compliances

Select Additional Compliances:

- REACH
- RoHS
- WEEE
- Convention 138 International Labour Organization
- CAL OSHA
- FED OSHA
- EPA
- Fully certified government contractor (CAGE: 83N19)



Capabilities

Select Engineering and Prototyping Capabilities:

- 100+ years of composites experience
 - Design
 - Manufacture
 - Business Development
 - Risk Assessment and Mitigation (Design, Manufacturing, Transfer)
- Dassault Systemes - SolidWorks
- Autodesk - Fusion 360 CAD/CAM/CAE/FEA
- Autodesk – 2019 Product Design and Manufacturing Suite
- Rapid Prototype 3D Printing
- 3D Laser Scanning and Reverse Engineering



Capabilities

Select Manufacturing Technologies:

- Compression Molding
- Bladder Molding
- Lay-up and Oven Cure
- Post-cure/molding machining
- Mold/mandrel machining (aluminum and stainless steel)
- Proprietary Over Molding Processes
- Mechanical Assembly

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Select Composite Manufacturing Examples:

- Compression Molding



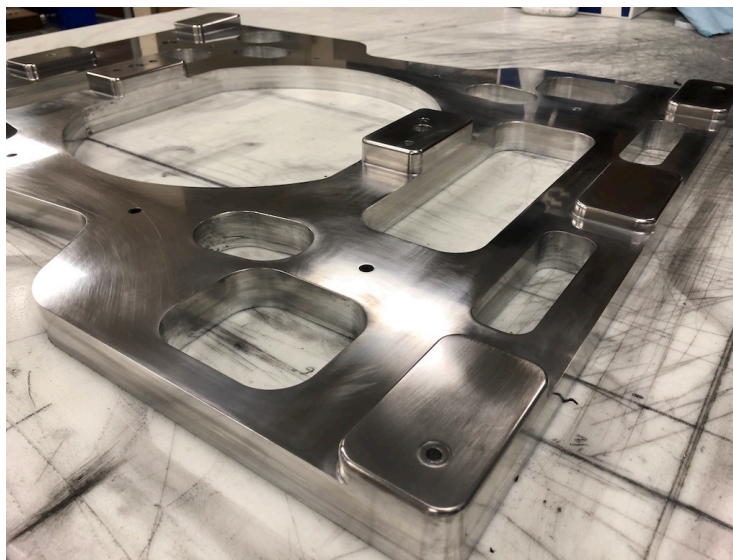
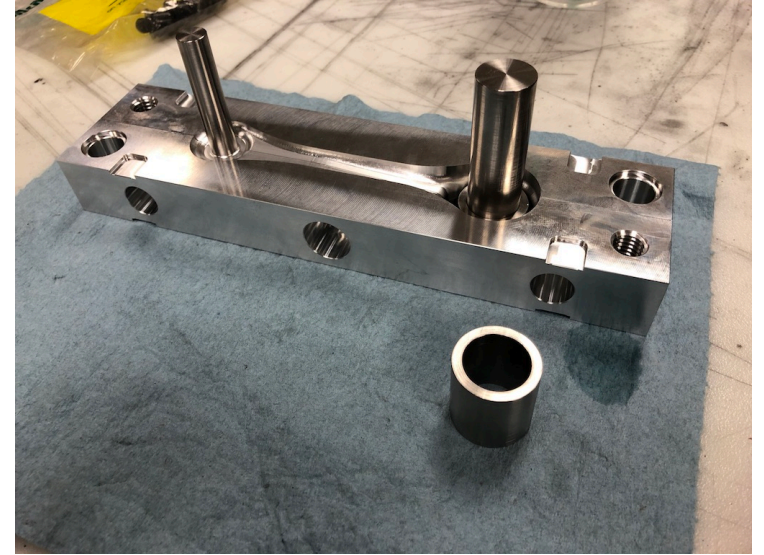
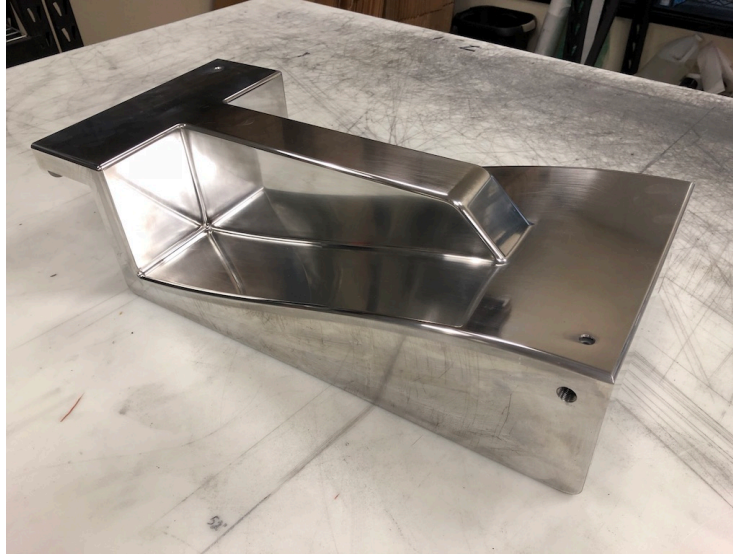
- Bladder Molding



Select Composite Mold and Machining Fixture Examples:

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Capabilities

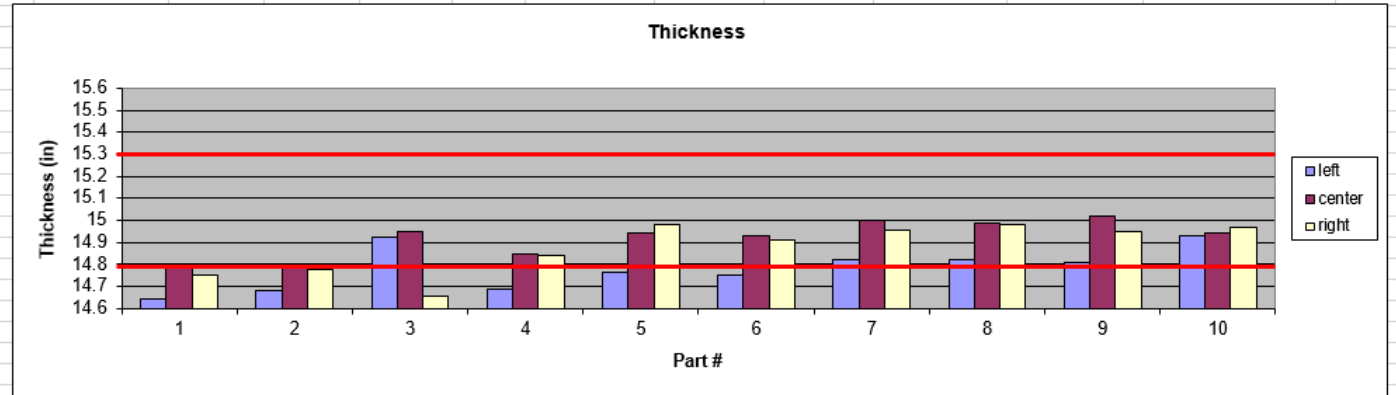
Select Inspection / Manufacturing Equipment:

- FARO Quantum S 2.5m 7 axis portable CMM with Laser Line HD capability
- 2016 Haas VF2 (30" X x 16" Y x 20" Z)
- 2017 Haas VF3SSYT (40" X x 26" Y x 25" Z)
- 2018 Haas HRT 310 4th Axis Rotary Table
- 2018 Eastman S125 Cutting Table
- 2 x 12" Wabash Heated Platen Presses
- 24" x 24" 80 ton Modern Machinery Hydraulic Heated Platen Press

Quality: In-process and Final

- In-process
 - Layup validation
 - Work instruction compliance validation
 - Validation of calibratable devices
- Final
 - Dimensional analysis using CMM
 - Traceability review
 - Compliance review
 - PO review
 - Limited shelf-life material(s) review (A/R)
 - Issue Certificate of Conformance

175 1/3 Batch Size:10												
Date	Part #	Weight in	Weight out	Resin loss	% Loss	Thickness l	Thickness c	Thickness R	Thickness L lap	Thickness R lap	Comments	Soak time
	1	66.2	65	3	4.53%	14.647	14.785	14.751	7.34	7.5		0
	2	66	65.3	2.5	3.79%	14.681	14.798	14.78	7.361	7.527	change soak-new mater	45
	3	66.1	65.6	2.3	3.48%	14.921	14.952	14.657	7.606	7.488	jt	60
	4	66.3	65.6	2.5	3.77%	14.69	14.846	14.841	7.41	7.596	jt	90
	5	66.2	65.9	2.1	3.17%	14.763	14.942	14.981	7.524	7.674	jt	120
	6	66	66.1	1.7	2.58%	14.75	14.931	14.913	7.457	7.719		120
	7	66.1	66.1	1.8	2.72%	14.822	15	14.956	7.49	7.701		150
	8	66.2	66.1	1.9	2.87%	14.825	14.988	14.984	7.542	7.72		150
	9	66.1	66.2	1.7	2.57%	14.812	15.017	14.948	7.587	7.719		150
	10	66.3	66.2	1.9	2.87%	14.932	14.946	14.969	7.673	7.726		150
Average		66.2	65.8	2.1	3.2%	14.7843	14.9205	14.878	7.499	7.637		



Select Customers

