

Molding and Potting Operations



Tensolite[®]
A **CARLISLE** Company

Molding and Potting Operations

Tensolite offers a complete line of molding and potting services to support the manufacture of various cable harnesses, box builds and medical assemblies. With our state of the art software and machine shops, we have all the necessary equipment to design, validate and build all your tooling requirements. When it comes to rapid prototyping, Tensolite uses the Solidworks CAD system to design and interpret your files. We use Microwave Studio to ensure your electrical requirements are met as well as Moldflow software to guarantee success before cutting steel. Once you approve the design, we run it through our 3-D SLA machine to provide a working concept. Our goal is to get our customers to the marketplace as fast as possible. We take pride in our on-time delivery performance and especially those for rapid prototyping.

Tensolite also offers economical tooling and production from our facility in Dongguan, China. When you think Tensolite, think global, all of our operations are linked so we are able to support you from any of our four facilities. Tensolite is your total molding or potting source for your next product launch.

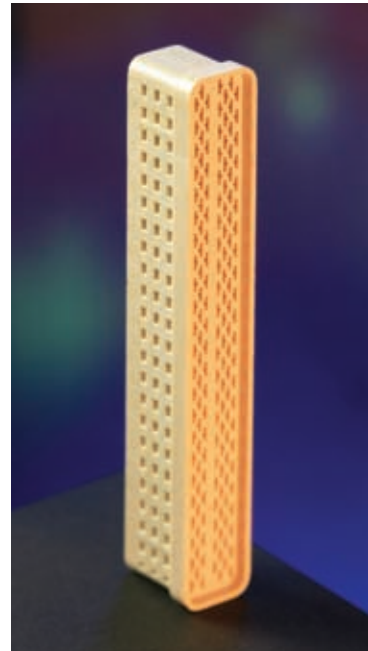
Low Pressure Molding enables us to attach fine wire or heat sensitive materials and overmold it without failures. We are able to offer a wide variety of options with melting temperatures between 360°-380° F and pressures as low as 20 PSI. Send your component designs and/or requirements today and let our engineering staff provide you with a worry-free product plan.



Insert Molding: Whether molding around a simple insert or injecting material over a complicated harness or flex circuit, we are able to accommodate your designs. Our vertical and shuttle molding machines are designed for insert molding. Talk with our engineers today and see how we might assist you with a complex design and rapid prototyping of your product. With design approval, we can get you first articles in less than five weeks!

High Speed Thin Wall molding is a specialty at Tensolite. Our Arburg molding machine is set up to handle micro-molding and thin wall applications. A closed looped process controlled system ensures a quick setup and continuous quality monitoring for shot to shot repeatability. Our customers expect and receive zero defects which allows 100% ship to stock.

Molding Materials for the right feel, appearance and performance! Tensolite offers its customers a wide selection of engineered materials to meet the needs of every application along with custom colors to match the most vivid imagination. For medical applications, we offer materials that meet requirements for sterilization while optimizing patient comfort.



Tensolite is your home for products and components that require Molding and Potting!



Equipment List

Tool room

- | | |
|------------------------------|--------------------|
| 1 Bridgeport Milling Machine | 2 Heat treat ovens |
| 1 CNC Robo Milling Center | 1 CNC Lathe |
| 1 EDM Sinker Machine | 1 Surface Grinder |
| 1 Optical comparator | 1 CNC Bridgeport |



Molding Vancouver

- | | |
|-----------------------------------|------------------------|
| 1 Toyo 150 ton 7.5 oz | 2 Boy 18 ton 1.5 oz |
| 1 Newbury 30 ton 3.3 oz | 1 Arburg 30 ton 2.5 oz |
| 1 Arburg 28 ton 2.0 oz high speed | 1 Moldman low pressure |

Molding China

- | | |
|--------------------------|----------------------------|
| 8 CY-160ST 15 ton 1.7 oz | 23 C Y-250ST 35 ton 2.6 oz |
| 2 CY-350ST 45 ton 2.6 oz | 2 Y-35V-C 35 ton 3.0 oz |

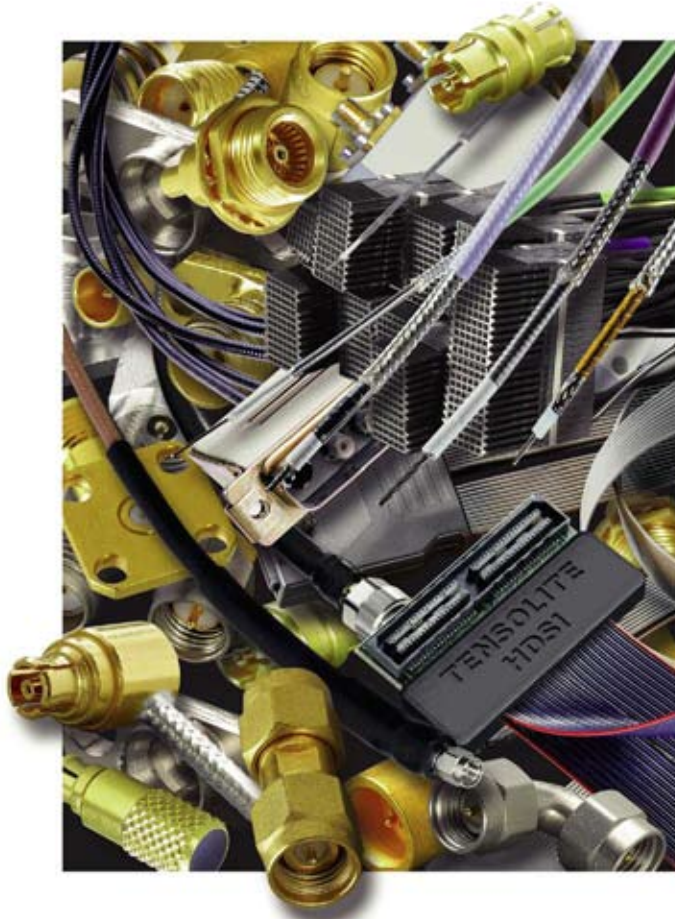


Potting is for those special requirements where low pressure molding will not work. Tensolite offers potting and encapsulation that adheres to MIL-M-24041C. Whether it's an aerospace, military or other electronic potting application, we can design the system that will work for you.

Come join Tensolite's list of Molding and Potting satisfied customers!

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|-----------|------------|------------|
| Fluke | Boeing | Baxter |
| FLIR | GE Medical | Healthcare |
| IBM | LeCroy | EDO |
| Tektronix | Raytheon | ACMS |





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INTERCONNECT TECHNOLOGIES

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