

## Laser Castle at the CPC Composite Prototyping Centre

December 8, 2015



In 2015 Lasermet Inc. completed the installation of a Laser Castle laser safety cabin, provided through its US distributor RT Technologies. Working with Automated Dynamics, the cabin was installed at the Composite Prototyping Centre based in New York State.

A laser is used for localised heating which forms part of the composite prototyping process.



The 26ft wide, 18ft deep and 11ft high enclosure, which included laser interlock control, LED sign, HD CCTV system and automatic doors was installed at the Composite Prototyping Centre to enclose the automated fibre placement robot supplied Automated Dynamics.

*Laser Castle during installation*



***NYS Senate Majority Leader John Flanagan delivering his keynote address at the CPC STEM event.***

The Composite Prototyping Center (CPC, Plainview, NY) held a special luncheon event and presentation titled, “STEM Is the Way to the Future.” New York State Senate Majority Leader John J. Flanagan served as the keynote speaker. CPC Executive Director Leonard Poveromo was the event’s Master of Ceremony.

Over 130 were in attendance representing local manufacturers, educators, business leaders and other elected officials



***Attendees at the CPC STEM event***

During the event, Majority Leader Flanagan discussed the critical role of Science, Technology, Engineering and Mathematics (STEM) education and workforce development in advancing the CPC’s mission, which is to help manufacturers access the resources and training needed to start participating in the opportunities afforded by advanced manufacturing.

Following the presentations, there were tours of the CPC, including a demonstration of what Mr. Poveromo referred to as the “jewel of the Center,” contained inside the Laser Castle (laser safety cabin). The automated fiber placement robot, manufactured by Automated Dynamics and funded with a NYSERDA grant, can fabricate parts up to 120” long and up to 48” in diameter.



*Zachary August of Automated Dynamics preparing to demonstrate the automated fiber placement robot secured inside the Laser Castle laser safety enclosure*

The Composite Prototyping Center (CPC) has as its mission to enable all organizations to meet the needs of advanced manufacturing by providing access to essential training, workforce development, process technologies, prototype manufacturing and critical testing capabilities.

The CPC offers full prototype manufacturing, hands-on technical training from professional materials manufacturing experts, and a full array of state-of-the-art systems and equipment. Its comprehensive production line technologies are housed in a 25,000-square-foot facility, which also provides R&D support and new composite material evaluation and design optimization services.



***NYS Senator Thomas Croci, NYS Senate Majority Leader John Flanagan, CPC Chairman of the Board Joseph Garone and CPC Executive Director Leonard Poveromo at the recent STEM event.***

Full story is on the [Compositepro website](http://Compositepro.com)