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## Press Release



### Laser Photonics Develops New Oven-less Annealing Process

**Lake Mary, FL., January 9, 2009** - Laser Photonics, the industry leader in developing high-tech solid state and CO<sub>2</sub> laser systems for marking, cutting and engraving applications, announced today the development of a new laser based oven-less process for [annealing](#) glass coatings.



Traditionally, to anneal a coating on glass, the coating was applied to the glass, baked at 600 degrees Celsius, and then cooled for three to four hours. Using this new oven-less annealing process developed by Laser Photonics, the coating is applied to the glass and then a laser beam is swept over the surface to anneal. The Heat Affected Zone (HAZ) is limited and the material can be handled relatively soon after the annealing is complete. Using this new process, the light transmission efficiency is increased by 35%. Additionally, the process

lowers the electrical surface resistance, prevents de-lamination and performs recrystallization of amorphous silicon. Glass that has been coated and annealed is used for such things as: architectural glass, as seen in large buildings and skyscrapers, windshields and solar panels.

**About Laser Photonics:** Developing [laser marking](#), [laser cutting](#) and [laser engraving](#) systems for precision material processing industries, Laser Photonics is leading the way with innovative fiber laser and CO<sub>2</sub> laser systems. Our laser machines are used by manufacturers in the automotive, aerospace, industrial, defense, electronic and medical industries around the world. For additional information on Laser Photonics Fiber and CO<sub>2</sub> Laser Systems for marking, cutting and engraving applications, please contact a representative at 1-407-829-2613, or visit [www.laserphotonics.com](http://www.laserphotonics.com).

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