

Address **Gyrotron Technology, Inc.**  
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Country USA  
State Pennsylvania

## PRODUCTS OR MACHINERY

The Gyrotron Beam is a new concentrated source of energy. Its high frequency and high energy concentration combined with the microwave nature of this novel source results in unique properties, different from any other known source of energy:

Ultra-rapid volumetric heating of non-metallic materials from 10 micron to 30 cm (.0004" to 12") Faster than heat conduction and oxidation processes

Ultra-rapid selective heating Target region inside an exposed material can be heated differentially from surrounding regions

The Gyrotron Beam is the single most efficient heat source for the processing of any kind of Polymer based materials, Organics, Ceramics, Semiconductors, Glass, Wood, and other non-metallic materials.

The Gyrotron Beam industrial installation consists of the Gyrotron, power supplies, control and monitoring equipment (basic components) and specialized work area. The basic components are available through GTI (from its partner vendors) and are versatile enough for any application. The specialized work area (technological chamber) is custom designed and manufactured for each environment. As a rule, Gyrotron Beam installations can be integrated into existing production lines, with minimal conversion costs and downtime, and can work in tandem with existing equipment. The space requirements for Gyrotron Beam equipment are minimal.

Company Profile of **Gyrotron Technology, Inc.**

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