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The laser cavity, or resonator, is at the heart of the system. A single transit through a collection of excited atoms or molecules is sufficient to initiate laser action in some high-gain devices such as excimer lasers; however, for most lasers, it is necessary to further enhance the gain with multiple passes through the laser medium.

Lasers: Understanding the Basics | lasers | Photonics ...

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An Introduction to Laser Technology and Its Applications

The technology uses laser-generated heat energy to target the treatment area, whether it involves removing unwanted skin tissue or targeting tattoo pigment and hair roots. They use different wavelengths for specific treatments in which heat energy only reaches the desired level of the dermis.

The Basics of Cosmetic Laser Technology - MedLaserUSA

The special nature of laser light has made laser technology a vital tool in nearly every aspect of everyday life including communications, entertainment, manufacturing, and medicine. Albert Einstein may inadvertently have taken the initial step in laser development by realizing that two types of emission are possible.

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