

## Laser Technology In Biomimetics Basics And Applications Biological And Medical Physics Biomedical Engineering

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Laser Technology In Biomimetics Basics

Biomimetics, the translation from nature-inspired principles to technical applications, is strongly multidisciplinary. This field offers intrinsically a wide scope of applications for laser based methods regarding structuring and modification of materials. This book is dedicated to laser fabrication methods in biomimetics.

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Laser technology basics. The active laser medium is located on the inside of the laser. Depending on the design, the laser medium can consist of a gas mixture (CO2 laser), of a crystal body (YAG laser) or glass fibers (fiber laser). When energy is fed to the laser medium through the pump, it emits energy in the form of radiation.

How do lasers work, basics of laser technology | Trotec laser

Laser Technology's core products are engineered with pulse-laser technology (a.k.a. reflectorless measurement technology) resulting in the ability to measure both distances and speeds. We also specialize in tilt and compass sensors, allowing you to measure heights and azimuth bearings.

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Bioinspiration & Biomimetics - IOPscience

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