

# AMTEC

## Applied Manufacturing Technologies, Inc.

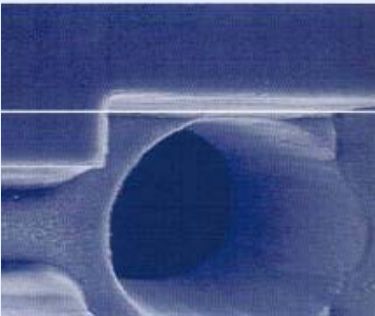
### Excimer Lasers

Excimer lasers are the most powerful and versatile light sources in the UV range of the electromagnetic spectrum. Because of their cold ablation and short wavelength excimer lasers are used for countless applications.

Excimer lasers are available in the following UV laser wavelengths: 157 nm, 193 nm, 248 nm, 308 nm and 351 nm.

Excimer lasers applications include:

#### Inkjet Nozzle Drilling



To drill the array of tiny nozzles that form the ink pattern of inkjet printers, all the major manufacturers also choose excimer lasers. Low cost of ownership and superior laser reliability are essential in this high-volume application.

#### Marking Eye Glasses



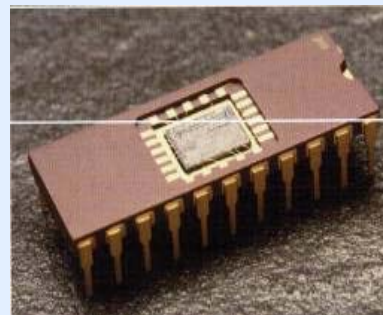
Excimer lasers are ideal for marking glass components and products when using photomask or direct-write methods. Marking ophthalmic lenses is a good example of this capability. Lenses are marked with the manufacturer's logo, as well as alphanumeric codes that specify each lens' focal properties.

#### Medical Disposables



Our Excimer lasers are widely used to produce plastic medical disposables, such as micro-catheters and state-of-the-art stents to treat blocked or diseased blood vessels. Excimer lasers also create indelible marks on many of these products.

#### Lithography-Photomask Qualification



Excimer lasers are key components of the Carl Zeiss AIMS fab 193 mask evaluation system used to support state-of-the-art microlithography.

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