

# News from the world of Lasers

August 2014

Distributed by Raymax Lasers ® - Keeping our customers in the light!

In this edition: **LIGHTMACHINERY**: Optics ; **PERFOTEC**: new products; **ATL's** FBG excimer lasers; **LINX**: SL302 and SL102; **FOBA**: V.0020-uv laser



Excellence in lasers and optics

Experts in the provision of optics - Beam splitters, Etalons, Laser optics, Michelson interferometers, Thin-Film Coating, Ultra-Flat Thin Substrates, and VIPA's. LightMachinery works closely with every customer to really understand and define the parameters that are important to the functionality of your required optical component.

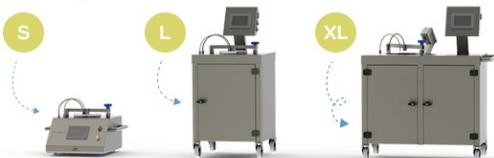
Want an in-depth discussion about your requirements? Contact John Grace on [info@raymax.com.au](mailto:info@raymax.com.au) or 02 9979 7646



**Specializing in laser applications in the fresh produce sector** - the innovative PerfoTec Fast Respiration Meter is developed and designed to measure the respiration rate of fresh produce within just 4 hours. It measures oxygen consumption and carbon dioxide production and calculates the respiration rate.

The Fast Respiration Meter now comes in three sizes: FRM S, FRM L and FRM XL. And is therefore suitable for small, medium and large-scale producers and packer

Fast Respiration Meter



The Laser Perforation System adapts the film permeability during packing. It is specially developed for integration with vertical or horizontal packaging machines as well as film

converting machines. The PerfoTec laser makes very consistent round holes, which is essential for AMAP technology. The Laser Perforation System



now comes in 3 different models: PER30-S, PER100-ST, PER/200/300/400 and is easily integrated into a packing system.

This highly successful use of laser technology has been extensively adopted in Europe with Marks & Spencer specifying usage amongst all its suppliers, thus guaranteeing customer satisfaction along with increased sales!

For a brief overview check the video on Perfotec's homepage! <http://perfotec.com>



**Choosing a Linx SL laser coder assures reliability, longer laser tube life, less downtime and lower cost.** The 10w Linx SL102 laser coder is the most versatile and intuitive coder in its class, ideal for users with a fast line and simple code requirements, or a slow line with a more complex code, offering the most flexible solution for quality coding onto a wide range of materials.

The high-speed, low-maintenance 30w Linx SL302 laser coder produces quality coding for complex codes on fast lines, even on hard-to-mark materials, and is versatile enough to adapt to future coding needs, such as changes in line speeds, message types or products to be coded. The new Linx laser coders are more intuitive – easy to use, with the new LinxVision® colour

touch screen, incorporating a large WYSIWYG display for simple operation. The LinxVision operating system features an easy to use 10.1 inch LCD colour touch screen. The interface software, specially designed for touch screen operation, has large icons for intuitive, effortless control, editing and status reporting. The Linx SL102 and SL302 can alternatively be operated via a computer or network.



Check out the benefits of Linx laser marking on <https://www.youtube.com/watch?v=hNTtn0cGWbw> then call Raymax on 02 9979 7646

**FOBA®**  
Laser at your service

**FOBA: UV Laser Marker**

The V.0020-uv UV laser marker from FOBA achieves high contrast marks on various plastics and highly sensitive materials and substrates, such as aircraft cables, translucent or coloured tubes, medical plastics for invasive applications, flame resistant plastics for electronic housings, and glass.

The short-wave UV (355 nm) laser light causes a photochemical reaction on the processed product, altering the surface with little heat dissipation.

The laser can mark products solvent-free and without additives, and it maintains sterility for medical plastics.



**ATL**

**ATL Lasertechnik:**

**ATLEX 500 FBG and the ATLEX 300 FBG are high efficient excimer lasers for Fibre Bragg Grating (FBG)**

FBG is a distributed Bragg reflector. Normally fibres have a uniform refractive index, but with FBG the effect on the light guiding properties of the fibres changes in phase with the grating period, reflecting a particular wavelength backwards at the core, while all others continue uninterrupted. The refractive index profile, or the grating period, can be changed to produce different designs making it suitable for many applications in modern fibre optic communication systems.

ALTEX-500-FBG main features	ALTEX-300-FBG main features
<ul style="list-style-type: none"> <li>• Soft corona preionization</li> <li>• HV-solid state pulser</li> <li>• Laser head volume &lt; 3l</li> <li>• TMC (Total-Metal-Ceramic) Vessel</li> <li>• Integrated vacuum pump &amp; halogen filter</li> <li>• Totally air-cooled, active thermal management</li> <li>• RS-485, RS232, USB and fiber optic Interface for system integration</li> <li>• Flushable optics holder</li> <li>• Meets European CE-standard</li> <li>• RoHS compliance</li> </ul>	<ul style="list-style-type: none"> <li>• Soft corona preionization</li> <li>• HV-solid state pulser</li> <li>• Laser head volume &lt; 3l</li> <li>• TMC (Total-Metal-Ceramic) Vessel</li> <li>• Integrated vacuum pump &amp; halogen filter</li> <li>• Totally air-cooled, active thermal management</li> <li>• RS-485, RS232, USB and fiber optic Interface for system integration</li> <li>• Flushable optics holder</li> <li>• Meets European CE-standard</li> <li>• RoHS compliance</li> </ul>



We'd be delighted to talk more about this great FBG excimer laser series from ATL. Call us on 02 9979 7646

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