

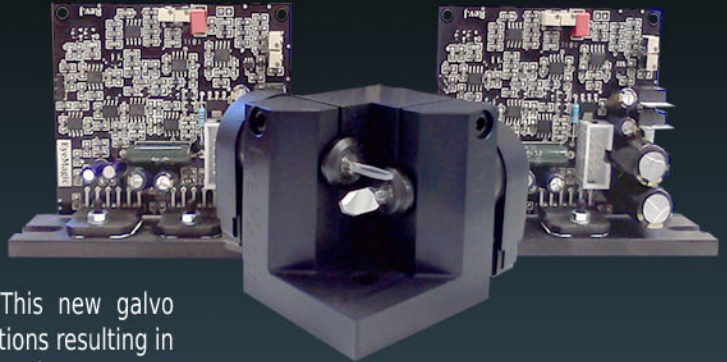
# EYE-MAGIC

laser display technology

NEW PRODUCT LAUNCH

EMS-7000 GALVO SCANNER

**THE FASTEST,  
MOST EFFICIENT  
SCANNING SYSTEM  
ON PLANET EARTH.**



EyeMagic is proud to release the new EMS-7000. This new galvo scanning system incorporates numerous design innovations resulting in an outstanding scanning speed with very low heat generation.

## **FASTER,**

The EMS-7000 is delivered tuned at 60K @ 10 degrees, using a 5.3x12mm mirror. This is approx. 15% faster than the closest competitor. The EMS-7000 can also be delivered with 6.8x12mm mirror, offering for the first time in scanning history a true 60K@6degrees for a 5mm beam ! And the large step is equally as fast, so you really enjoy twice the speed of a 30K scanner.

## **MORE EFFICIENT,**

Moving fast is not everything though. Most laserists have been reluctant in upgrading to 60K due to the increase in power requirements and the extra heat produced in their systems. The EMS-7000 achieves these speeds whilst drawing the power of an average 30K scanner. Simply install the EMS-7000 as a 'drop-in' replacement for your 30K scanners and you are ready to enjoy 60K scanning.

## **SCANNING TECHNOLOGY.**

Each and every part of this scanning system is optimised to a degree never been seen before. Starting with our worldwide unique flat rotor, our new 'flying spot' position sensor with excellent linearity and the lowest inertia ever, the CNC wound 'perfect' stator with zero cross turns for maximum current density, the unique high temperature / high pressure stator encapsulation for highest reliability and ending with our new EMA-2000 servo amp that drives the scanner in an optimum way, we are proud to say that we can offer a scanning system that brings laser display one step ahead. Combine it with our Award-winning IRIS Colorsafe, and you have the sharpest graphics, the most accurate colors, the most intelligent safety. Nothing left to be desired !

And for those already familiar with our scanners, yes, you can stop the mirrors with your fingers while scanning without blowing fuses (there aren't any !) or harming scanners !

### Specifications

- Mirror sizes : 5.3 x 12mm (3,8mm beam diam.) and 6.8 x 12mm (5mm beam diam.)
- Reflectivity : >99% (multilayer broadband dielectric, new coating for ultra high power handling)
- Max. scan angle : 60 degrees
- Simple 2 trimpot tuning : Gain and Damping
- Left and right beam input
- Power requirements : +/-20V to +/-30V, 120W (for 2 scanners)
- Position sensor amplifier built into the scanner, no special shielded cables required
- 2 Year Warranty
- Designed and manufactured 100% in Greece

***There is only one serious drawback : You no longer have an excuse for not creating beautiful laser graphics !***