

Technologica CImager

Introduction

The **Technologica CImager** is a versatile chlorophyll fluorescence imaging system for rapid, non-invasive screening. Designed by scientists in the Department of Biological Sciences University of Essex to be the best instrument of its kind available, sales to academic and industrial plant biologists worldwide have confirmed the outstanding performance and reliability of this product. If you are considering purchasing a chlorophyll fluorescence imaging system or would like more information, visit www.technologica.co.uk and see the benefits of the **Technologica CImager**. *We invite you to compare our key features with other imaging systems.* By combining sophisticated analytical software, an advanced blue lighting system and very high reliability, this patented technology ⁽¹⁾ sets the standard for chlorophyll fluorescence imaging.

Some key features-

- PWM blue lighting,- PPF $> 6000 \mu\text{mol}/\text{m}^2/\text{s}^{-1}$
- Calibrated imaged area 115 cm^2 – sample stage 135 - 140 mm above base.
- Precision, calibrated, PWM lighting -16 self-contained light panels for optimum uniform illumination over the imaged area.
- Very stable irradiance +/- 2% throughout the actinic lighting range.
- Advanced easy to use software – automated identification and analysis of individual colonies in a 96 well plate, Petri dish or plants in pots – will rapidly screen up to six well plates per minute ⁽²⁾. Automated user- programmable analysis routines.
- High performance AVT Stingray SXGA $2/3$ ” progressive - scan Fire Wire camera with Tamron High Resolution (Megapixel) 100l/mm Lens.
- Unique virtually light-tight design with easily removed re-entrant Dutch-Folded panels – for in-situ applications. Lightweight all aluminium design.
- Precision Rack and Pinion sample stage adjustment.
- Competitive pricing with no hidden extras. All systems are delivered with a free computer and monitor and are ready to use after unpacking.
- On-site training available.

Talk to the experts:

If you would like to discuss applications for the **Technologica CImager** please contact –

sales@technologica.co.uk

Ask us about the benefits of chlorophyll fluorescence imaging - for commercial screening or scientific research.

If specialist advice is required we will forward your questions to our scientific experts.

⁽¹⁾ Patent No. GB2380790

⁽²⁾ Area, Fo, Fm, Fv/Fm Fv/Fm (XE) data and associated images