

Laser cleaning expertise and quality design for conservation

COMPACT PHOENIX™



The COMPACT PHOENIX™ is a highly portable, low cost desktop laser cleaning system designed for use in conservation workshops and small-scale site work. The COMPACT PHOENIX™ is an extremely versatile tool ideally suited to a wide range of applications in conservation

WELCOME TO LYNTON CONSERVATION

Welcome to one of the world's leading manufacturers of laser cleaning systems for conservation. Lynton Conservation, part of the highly successful Lynton Group, has been supplying laser cleaning systems to the conservation profession for over fifteen years and has an impressive client list of museums and private conservation practices around the world.

In 1997 Lynton worked with conservators at the Conservation Centre in Liverpool to develop the UK's first commercially available laser cleaning system. Since then Lynton has continued to work closely with conservators to develop further generations of laser cleaning systems the latest of which, the highly versatile COMPACT PHOENIX, breaks new ground in terms of portability, flexibility and price.

LASER CLEANING

Laser cleaning is an extremely selective, gentle and high quality method of cleaning. Laser cleaning enables the conservator to remove unwanted dirt and surface layers without damaging the valuable surface of the artwork; patina, fine surface detail, tool markings and important surface coatings can be preserved.

Laser cleaning is:

- selective
- gentle
- precise
- clean
- environmentally friendly

THE COMPACT PHOENIX™ LASER SYSTEM

The COMPACT PHOENIX is a small, compact, rugged system ideally suited to work in conservation workshops or small-scale site work.

The COMPACT PHOENIX comprises a desktop

base unit and a detachable Q-switched Nd:YAG laser handpiece capable of delivering 1064nm and 532nm wavelengths.

The system is highly portable, easy to maintain and has been used to clean a wide range of materials, including marble, limestone, sandstone, plaster, terracotta, ivory, wood, bronze and parchment. The COMPACT PHOENIX is available for purchase and rental.

COMPACT PHOENIX™ SPECIFICATIONS

Wavelength: 1064nm, 532nm (optional attachment)
Pulse energy: 150mJ per Q-switched pulse
Pulse duration: 10ns
Repetition rate: 1-30Hz
Maximum average power: 4.5W
Dimensions: 31cm x 54cm x 42cm (H x W x D)
Weight: 30kg
Mains supply: 200-260V, 5A@240V

TRAINING

Lynton Conservation provides training courses in laser cleaning in conservation. Training can be tailored to meet the needs of the conservator and can be held at our offices in the UK or at the conservator's own workshop.

General courses are held regularly throughout the year, extra courses can also be arranged. Please contact us to discuss requirements. The courses are run by Dr Martin Cooper who has over fifteen years' experience of training conservators in laser cleaning techniques.

Course content includes:

- An introduction to lasers;
- Laser safety;

- Laser cleaning mechanisms;
- Practical laser cleaning;
- Test cleaning;
- Record keeping;
- Case studies

For further information please visit our website, or contact Dr Martin Cooper:

Email: mcooper@lynton.co.uk

www.conservationlasers.com



Dr Martin Cooper

Lynton House, Manor Lane,
Holmes Chapel, Cheshire
CW4 8AF, United Kingdom

Tel +44 (0)1477 536977
Mobile +44 (0)7919 381428

mcooper@lynton.co.uk

www.conservationlasers.com

www.lynton.co.uk