

Millennium Lasers is a leader in the field of CO₂ laser innovation. Having over 30-years experience in the field the company has gained an international reputation for its sealed CO₂ laser products based on quality, performance, price, innovation and flexibility.

Please see below some of our key achievements:

- 1992 – our first investigations into the core technology of sealed CO₂ lasers and developed a 60W sealed CO₂ laser tube for surgical laser applications - the first European manufacturer of such a device
- 1995 – introduced our first complete range of CO₂ lasers to the market place offering 3-80W sealed CO₂ laser tubes
- 1998 – developed the first laser tube in Europe using advanced heterogeneous and homogeneous catalysts enabling the production of higher laser output powers and longer lifetimes
- 1998 – started offering 3rd party regas service for all DC excited glass tube CO₂ lasers
- 1999 – introduced the first European made 120W sealed CO₂ laser tube using discharge driven catalytic technology
- 2000 – introduced the first European made sealed CO₂ laser with over 200W laser output power
- 2001 – developed sealed Carbon Monoxide laser technology
- 2004 – developed CO₂ laser gain cell amplifiers for heterodyne LIDAR applications
- 2005 – commenced the development of RF excited CO₂ lasers technology
- 2006 – developed sealed CO₂ laser Q-switch laser for semi-conductor applications
- 2007 – started offering 3rd party regas service for all RF excited metal & ceramic CO₂ lasers and RF power supply repairs
- 2008 – developed a bespoke laser marking and engraving system using CO₂ lasers for real-time, high speed and on-the-fly conditioning and patterning of functional electronics materials such as conductive inks manufactured reel-to-reel
- 2012 – developed 130W sealed CO₂ laser tube (single length) and re-engineered laser tube design for enhanced performance and lower cost-to-manufacture allowing access to new Asian markets
- 2017 – commenced the development of flatbed laser cutting & engraving systems and Fibre & CO₂ laser marking systems