

September 2020



# LBP Optics

Metal mirrors for industrial and scientific applications

# Newsletter

## Growing the business

**Whilst this year has been an immensely challenging one for everyone, it is also an exciting time for us at LBP Optics. We have kept the business running during the pandemic, with full production and technical support for customers.**

The business is also growing rapidly, in line with demand and market developments, and we're here to support all our customers now and in the future.

We have been able to respond to urgent customer requirements during the pandemic, for the production of essential medical equipment used in the detection of Covid-19. We have broken in to new markets including robotics, biological engineering and medical device research and development. And we have greatly improved and increased our manufacturing capability at both sites, offering additional capacity to customers.

Our aims as we look ahead to 2021 include:

- **Increasing manufacturing capacity so we can produce higher volume optics and components.**
- **Increasing our technical capability with the latest metrology and equipment.**
- **Improving the quality of our products with updated cleaning and inspection facilities.**

### Factory improvements – Single Point Diamond Turning

**We have purchased a new SPDT machine with a state-of-the-art laser assisted machining tool, one of only a few worldwide.**

- This significantly increases our capacity and enables us to machine a much wider range of materials including fused silica, zinc selenide, zinc sulfide and other glasses.
- The appointment of a new, highly experienced diamond turning engineer with experience of machining glass materials and crystals.
- Two existing machines have been refurbished and improved. We can now offer the machining of optics up to 670mm long. On another machine, we have added a CNC control so that we can now cap and edge transmissive optics to less than 5 microns on diameter and height, and align the two optical faces to 3 arc seconds or better.



## LBP Optics

Laser Assisted Machining



**LBP Optics Limited**

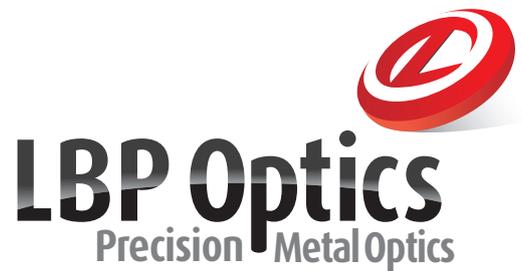
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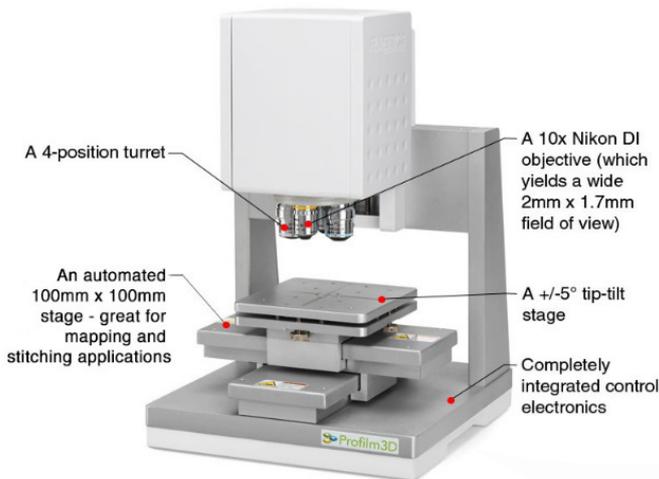
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# Factory improvements – Reflective Optics Manufacturing facility



## Improvements include:

- Improved metrology with a new, state-of-the-art 3D optical profiler and a Zygo interferometer.
- New clean room for inspection, cleaning and quality control.
- New temperature control system throughout the building.
- New workstation to increase production capacity.



## What can we do for YOU ...?

We would love to talk to you about what we can do for you, and how we can support you and your business in the months and years ahead.

### Contact us:

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