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**From single to multi-laser: Phibo Group upgrades its production process with Renishaw's RenAM 500Q four-laser system**

Phibo Group, a Barcelona-based specialist in the research, development, manufacturing and marketing of dental solutions, has purchased Renishaw's RenAM 500Q multi-laser system to optimise processes in its additive manufacturing (AM) facility, which has previously relied on single-laser systems.

“The four-laser RenAM 500Q system gives us a significant increase in productivity and precision,” says Eduard León, Industrial Manager at Phibo Group. "The decision to opt for this solution was influenced by the improvement in safety and hygiene, as the integrated powder recirculation system does not require manual sieving by the operators, thus reducing their contact with the material. We also value Renishaw's local service and support, which is very important in a sector like ours with just-in-time production," he adds.

The RenAM 500Q is a multi-laser metal AM system with highly productive manufacturing parameters, focused on industrial environments and equipped with four high-power 500 watt lasers, a powder recirculation system and process-monitoring software.

"We have successfully integrated this new multi-laser system into an existing manufacturing set-up, meeting all the quality and functionality requirements, so that Phibo's end customers receive the same high quality product from the new production technology," says Jan Šolc, AM Product Manager at Renishaw Ibérica,.

With this purchase, Phibo has upgraded its production processes to multi-laser technology. Eduard León explains, "The increase in productivity is not only due to the higher number of lasers, but also to the higher power of each laser, which increases the feed rate during exposure. In addition, the strategies for using each laser can be configured to obtain better results".

For further information on Renishaw’s multi-laser AM system, visit [www.renishaw.com/am500q](https://www.renishaw.com/en/renam-500q--48429)

**-ENDS-**

**Notes to editors**

**About Phibo Group**

Phibo Group is a Spanish multinational which has specialised in the research, development, manufacture and marketing of dental solutions for more than 30 years. They are pioneers in integrative dentistry 4.0 and leaders in the manufacture of CAD/CAM dental prostheses.

**About Renishaw**

Renishaw is a world leading supplier of measuring systems and manufacturing systems. Its products give high accuracy and precision, gathering data to provide customers and end users with traceability and confidence in what they’re making. This technology also helps its customers to innovate their products and processes.

It is a global business, with over 5,000 employees located in the 36 countries where it has wholly owned subsidiary operations. The majority of R&D work takes place in the UK, with the largest manufacturing sites located in the UK, Ireland and India.

For the year ended June 2023 Renishaw recorded sales of £688.6 million of which 95% was due to exports. The company’s largest markets are China, USA, Japan and Germany.

Renishaw is guided by its purpose: Transforming Tomorrow Together. This means working with its customers to make the products, create the materials, and develop the therapies that are going to be needed for the future.

Further information at [www.renishaw.com](http://www.renishaw.com/)