Managing Efficiency with SAP

At a time when businesses must be nimble and attentive to customer needs, UNIVERSAL PHOTONICS invested in the future by implementing cutting edge technology to support and run its businesses. “We focused on technology with an eye on efficiency and chose SAP’s Business ByDesign (ByD),” said John Colon, Vice President of Operations. SAP is the world leader of enterprise applications in terms of software and software-related services. ByDesign, SAP’s cloud-based enterprise solution, was built based on best business practices from Fortune 500 companies. From R&D to invoicing, ByDesign now manages all aspects of UPI’s business and as a cloud-based solution, the company is able to access and run the business anywhere with an internet connection. Access to business information is now immediate and not subject to “being in the office.” At this level of technology and efficiency, UPI can continue to offer best-in-class customer service as they also continue to grow the company.

UPI：The Road To ISO Certification

While all of UPI’s polyurethane pad manufacturing has been certified under ISO 9001, the Long Island, NY operation has been operating as ISO, but has yet to be formally certified. With the release of the new ISO 9001:2015 requirements, UNIVERSAL PHOTONICS has decided to secure certification for every aspect of the company. ISO 9001 is an international quality management system standard. Certification tells the world that your company follows fundamental management and quality assurance practices across the organization, which present a foundation for planning, control, and improvement for the enterprise. UPI has contracted with a consulting firm to make sure that ISO required documentation and performance levels are consistently met while the company continues to provide products and services that meet customer and regulatory requirements. Certification of the entire company will further show UPI’s commitment to advanced surfacing and polishing technology is further realized with acquisition of NUVITE CHEMICAL COMPOUNDS.

What’s New...

World’s Largest Double-Sided Polisher

The largest double-sided polished is scheduled to be delivered by UNIVERSAL PHOTONICS to a North American customer in the first quarter of 2017. Manufactured by SOMOS in Europe, this 100,000 pound system will have polishing plates a colossal 2500 mm (8.2 feet) in diameter and be able to polish optics up to 37 inches in diameter. Specially designed features include cooled upper and lower plates, specifically engineered to minimize deformation and maintain part flatness, and fully integrated loading, unloading, and slurry distribution systems. Additionally, several proprietary, customer specific innovations have been included which will...

Whole Lab Centrifuge Solutions

Efficient Waste Processing Systems

HKS Centrifuge systems are filtering and cleaning optical waste all over the world. UNIVERSAL PHOTONICS, together with HKS, has just finished installation of two new large centrifuge systems. While they regularly install smaller systems, which can handle one or two machines, the large systems are generally made to clean the fluids of the entire lab. These same systems are very popular in precision optics shops,...

Advanced Polishing Slurries

To Meet New Market Needs

Ever-emerging technologies demand new and improved processing materials engineered for specific surfacing applications. UPI meets these demands with a variety of advanced polished sludges to produce critical surfaces not attainable by conventional polishing materials. Case in point: HASTILITE ALPHA 3, a fully formulated aluminum oxide-based slurry with >99% purity, targeted for Sapphire and other...

The Trade Show Connection

A key reason UPI annually exhibits at global trade events like Photonics West, 1/31-2/2, booth #2217, is to sharpen its focus on the critical surfacing systems, products, and equipment required to meet the demands of the latest technology. Each year designers and manufacturers visit UPI’s booth for the on-site Q&A. Our application engineers are on hand to address questions and the challenges unique surfacing applications present. See us also at SPIE Defense + Commercial Sensing, April 2017, booth #537. For a full schedule of UPI attended trade shows visit www.universalphotonics.com/events.
enable polishing times to be reduced from days or even weeks using traditional methods, to mere hours. UPI engineers will work closely with the customer after delivery to ensure the polishing process and consumables set combined with the machine, produce the optical properties required. This may not be the largest double-sided machine for very long. UPI and SOMOS are in the process of developing a 4000 mm (15.75 feet) double-sided polishing system, capable of polishing parts up to 6 inches in diameter for another North American customer.

The high-powered TPM machines deliver advanced micropolishing solutions with an entirely new range of capabilities including:

- Internally cooled top and bottom plates that are thermally controlled, allowing continuous runs at high speed and pressure 24 hours a day, 7 days a week.
- While the TPM Series has many advantages, the most extraordinary feature is that it can be customized to meet specific application requirements. Choosing the features best suited to your application assures efficient, flawless processing.

赶赴，而另一只耳环也在飞快地旋转。因此，如果要在短时间内准确地将这两枚耳环放在正确的位置上，那么就需要精确地控制它们的运动轨迹。这通常涉及使用计算机控制的设备，通过编程来实现精确的运动控制。