

# Nordex

## RECEIVES AS9100D AND ISO 9001:2015 ACCREDITATION

Nordex, Inc. recently announced the establishment of a quality management system for AS9100D & ISO 9001:2015. The company is involved in the manufacture, distribution, assembly and refurbishing of catalog and non-standard high precision mechanical/electro-mechanical components and assemblies such as bearings, couplings, gears, ball slides, enclosed gear-trains and related instrument grade power transmission components and assemblies for medical laboratory and industrial analytical instruments, factory automation, semiconductor and aerospace OEMs.



Nordex growing strong over three generations.

“Nordex has been in business for more than 60 years. We have accomplished this through continuously striving to improve our business so we can better serve our customers. AS9100D certification helps Nordex to be a better company, through improving our quality processes and reducing our costs—this helps us to provide more value to our customers and ensures we always deliver the high-quality products they have come to expect,” said Dan Agius Jr., CFO and part-owner of Nordex, Inc.

It’s not just the quality department that has been improved by AS9100 certification, but Nordex’s entire manufacturing operations, according to Agius.

“Through our heightened quality procedures, we are running more efficiently and finding and correcting potential problems very early on in our manufacturing process. Obtaining AS9100D certification has helped provide us with the tools to do this by developing improved risk mitigation strategies. This helps us to meet and exceed our customer’s needs when it comes to quality and on-time delivery,” he added.

With the evolution of the power transmission industry, Nordex has been able to thrive thanks in part to quality control procedures that have helped the organization to better adopt

and utilize cutting-edge power transmission technologies.

Agius believes the company will continue this approach in the future.

“We need to consistently update our quality requirements so we can keep meeting our customers’ needs as their businesses are ever changing. AS9100D is a quality framework that gives us the tools to keep building out our quality systems and standards, however necessary, well into the future.

[www.nordex.com](http://www.nordex.com)

# Gleason

## STRENGTHENS NORTH AMERICAN SALES TEAM

Gleason has added to its North American sales team in order to support increased customer activity in several market sectors growing in importance. These personnel additions include:

The addition of **Nick Deaville**, who has joined Gleason as regional sales manager. Deaville is located in the Houston, TX area and will support Gleason’s customers in the Western US and Canada. He brings 10+ years of machine tool, cutting tool/abrasive and automation experience to the market. Deaville is a hands-on technical service and support provider with a strong mechanical background which fits well with the technical expertise of all the Gleason sales team.



**Mike Gessler** has transitioned to Detroit, MI as regional sales manager for the North-central sales region. Gessler will continue to bring his depth of industry experience to provide Gleason’s customers with world class support. In addition, he will expand his role to take responsibility as Gleason’s key market manager - eDrive technologies, a fast-growing and vitally important market for Gleason.



Gleason also recognizes the long and distinguished sales career of **Jamie Washburn**, who is retiring from his role of regional sales manager after a 49-year career with Gleason. Gleason honors the accomplishments Washburn has amassed through his dedicated service to the company and the gear industry.



[www.gleason.com](http://www.gleason.com)

# Solar Atmospheres

SOUTH CAROLINA AWARDED AEROJET  
ROCKETDYNE APPROVAL

Solar Atmospheres Greenville, SC facility is pleased to announce it has been awarded Aerojet Rocketdyne approval, their second aerospace prime approval of 2021.



Steve Prout, president of Solar Atmospheres' Greenville facility states: "We are proud to once again provide our customers in the Southeastern U.S. with another regional option for aerospace vacuum thermal processes, saving them time and money while continuing to deliver the high level of quality required."

With the ability to support vacuum thermal processing needs ranging from development cycles to 50,000 pound loads at temperatures of up to 2400°F, Solar Atmospheres provides AS9100 and Nadcap quality accredited heat treatments, providing our customers with the confidence their product is being processed as specified.

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## API and Mitutoyo

ANNOUNCE WORLDWIDE RESELLER  
AGREEMENT

API and Mitutoyo Corporation have announced a partnership to distribute API's portable dimensional metrology equipment throughout Mitutoyo's worldwide network.

Production times and tolerances continue to grow tighter for manufacturers around the world, and their need for precise, portable measurement hardware and software has increased to meet this demand. Adding API's complete portfolio of portable equipment to Mitutoyo's already diverse portfolio to meet this demand was a natural fit for both companies.

"API really invented portable dimensional metrology, especially in the form of precise, laser measurements," says Yoshiaki Numata, president of Mitutoyo Corporation. "So, for Mitutoyo, this was a great opportunity to add the most complete line of high-quality portable metrology equipment to what we can offer to our customers."

"Mitutoyo has developed the most diverse, comprehensive

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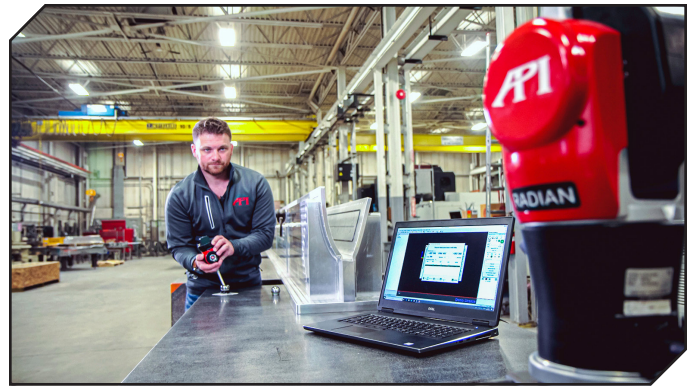


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portfolio of metrology equipment, hardware, and software, and they have built a truly impressive global distribution network,” says Joe Bioty, president of API. “By adding API’s portable equipment to that offering, Mitutoyo really becomes a one-stop shop for metrology needs in manufacturing worldwide, which provides tremendous value to the customer.”

[www.apimetrology.com](http://www.apimetrology.com)

## LK Metrology CELEBRATES 58<sup>TH</sup> ANNIVERSARY

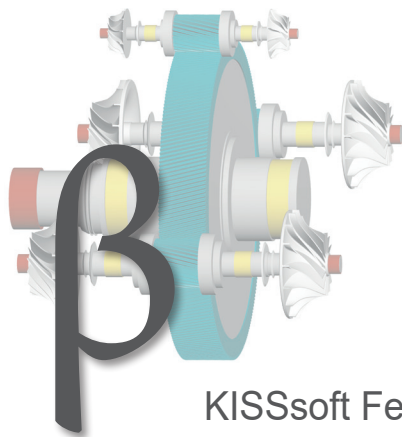
LK Metrology, the Derbyshire, UK-based coordinate measuring machine (CMM) manufacturer, is celebrating its 58th anniversary this year as a fully independent company again, following a change of ownership in 2018. The company pioneered CMM technology and its name is linked to numerous innovations such as ceramic bridge design, air bearing and granite guideways, carbon fiber composite spindles and horizontal-arm coordinate measuring.

The new proprietor, Angelo Muscarella, who also runs Italian firm ASF Metrology, is keen to share the progress that LK has made in the short time he has been in charge. He said, “We are delighted to find ourselves entering the fourth year of operation in April 2021 with a healthy order book. Revenue met budget in the last financial year and we even made a profit, despite incredibly difficult trading conditions due to the pandemic. Machine service and upgrade activities actually performed ahead of budget every month since July 2020.”

LK has made great strides growing its product portfolio in



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the last three years. In 2020 it entered the articulating-arm 3D metrology system sector with the launch of a range of six different FREEDOM arms with six size options. Earlier introductions included the SCANtek 5 version of the ALTERAM CMM with Renishaw REVO-2 probe as well as a new product, AlteraC 10.7.5, in three sizes. The latter range lowers the price of entry to LK CMM multi-sensor inspection technology and has recently been further improved in terms of accuracy and speed of measurement.

Two notable introductions have been made on the software side as well. The company's DMIS-based CMM programming software, now called CAMIO 2021, has been given enhanced features in five important areas, helping to increase inspection productivity, improve the quality of data collected and gain better insight into the components being measured.

Prior to that, LK introduced the Metrology Gate portal, a web-based platform consistent with the aims of Industry 4.0 that enables inspection activities performed by connected metrology devices to be monitored and controlled around the clock from anywhere in the world. A new MTConnect adapter has just been made available to allow users to add their LK CMMS to existing dashboard applications in their factories that previously were only able to display information on machine tools. Learn more here:

[www.lkmetrology.com](http://www.lkmetrology.com)

## Index Corporation WELCOMES REGIONAL SALES MANAGER FOR MIDWEST

Index has announced the hiring of industry veteran **Bob Pellegrini** for the role of regional sales manager for Northern Illinois, Michigan's Upper Peninsula and Eastern Wisconsin. The Hartland, WI native brings more than 20 years of successful manufacturing technology sales experience to Index, including 11 years with DMG MORI North America.



[www.index-usa.com](http://www.index-usa.com)

## Verisurf

### PARTNERS WITH SMARTTECH3D FOR METROLOGY SOLUTIONS

Verisurf Software has partnered with SmartTech3D, Lomianki/Warsaw, Poland, to offer metrology customers, worldwide, comprehensive end-to-end solutions for 3D scan-to-print, quality inspection and reporting, and reverse engineering to intelligent CAD. Under the partnership agreement SmartTech3D will offer complete 3D scanning solutions including SmartTech3D scanners, Verisurf software, installation, training, and technical support services.



SmartTech3D color scanners are portable and can be used in the quality lab, on the shop floor, or in the field. The high-resolution precision scanners collect information about complex structures that were difficult to scan until now, like highly reflective surfaces or dark objects, ceramic ornaments, clothes, or oil paintings. When combined with optional shadowless lighting, the system provides the possibility to obtain actual color information in high resolution.

“Our high resolution structural light scanners are focused on collecting precise geometry and color data. When it comes to processing and analyzing that data, we feel Verisurf provides most comprehensive set of applications, all of which are based on a powerful CAD platform. This is both unique and extremely customer focused,” said Anna Gebarska, managing director of SmartTech3D.

SmartTech3D dealers are now able to provide customers with complete end-to-end scanning solutions and provide added customer value through software training, maintenance support and metrology integration across the manufacturing enterprise. With the Verisurf Software Development Kit (SDK) dealers, systems integrators and customers alike have access to a flexible programming environment specifically designed for creating customized dimensional metrology applications that enable manufacturing automation.

“Capturing good data is paramount to all application processing that follows. At Verisurf we pride ourselves on being able to apply measurement data effectively to inspection and reporting, reverse engineering, and assembly guidance applications. Our Solution Partnership with SmartTech3D provides customers,

worldwide, with a best-in-class scanning solutions that are easy to use and based on an open CAD platform,” said Ernie Husted, president and CEO of Verisurf Software, Inc.

Verisurf Software SCAN DATA SUITE for SmartTech3D includes Verisurf CAD, ANALYSIS and REVERSE modules:

- CAD is at the foundation of all Verisurf applications and supports 3D wireframe modeling, 3D surface modeling, 3D solid modeling and 2D drafting. Model-Based Definition (MBD) — includes ISO 10303 & ASME Y14.5 compliant 3D model associated GD&T creation and editing. TOOLS for model-based metrology including auto flip surface normals, auto hole axis finder, screen shot grabber, 3D-PDF and more. Import files in ACIS, AutoCAD, Inventor, IGES, KeyCreator, Parasolid, Rhino, SolidEdge, SolidWorks, Spaceclaim, STEP, STL, VDA formats. Export files in ACIS, AutoCAD, IGES, Parasolid, STEP, STL, VDA file formats
- ANALYSIS module includes fast best fitting of measurements to 3D CAD model nominal. Analyze points-to-points, points-to-curves, points-to-surfaces or points-to-meshes and communicate results with color deviation maps, whisker plots, custom ballooning, and reporting
- REVERSE is set of powerful tools to reverse engineer scan data into fully closed mesh surface models ready for 3D Printing, Additive Manufacturing and Solid Modeling. Imports, edits, and exports massive point clouds and STL meshes. Extensive mesh alignment, filtering, smoothing, mesh bridging, hole filling, edge extending, and trimming, and slicing. Create NURB surfaces by sketching or projecting curves onto mesh or with intelligent prismatic feature fitting and auto surfacing

The SCAN DATA SUITE is also available with QUICK SURFACE, a powerful option for Verisurf Reverse that efficiently creates smooth, high-quality surfaces from meshes derived from scan data or STL files. Quick Surface maintains curvature continuity between adjacent surfaces and is ideal for digital surface modeling and creating smooth, high-speed toolpaths.

[www.verisurf.com](http://www.verisurf.com)

## Klingelberg

### WINS 2021 GERMAN INNOVATION AWARD

Machine manufacturing firm Klingelberg is the proud recipient of yet another award. This time, the company won over the expert jury for the 2021 German Innovation Awards with its “Done-in-One — Complete Measurement in a Single Stage” solution. The German Innovation Awards honor products and solutions that distinguish themselves from earlier solutions primarily by their user centricity and added value. The German Innovation Awards are granted by the German Design Council, which was enacted into law by the German Parliament in 1953 and is funded by the Federation of German Industries (BDI).

### A novel approach

With its innovative “Done-in-One — Complete Measurement in a Single Stage” solution, Klingelberg entered the “Machine and Engineering” category in the “Excellence in Business to Business” competition class. Klingelberg’s approach is to perform various measurement processes in a single stage as one complete measurement (“Done-in-One”), all in the immediate production environment. A Klingelberg Precision Measuring



Center (G variant) has rapid measurement capability for dimensions, shape, contour, and surface roughness in one automated cycle. By combining measurement tasks traditionally performed on up to four different devices, it is possible not only to lower investment costs, but also to decrease setup times and reduce quality costs.

The integration of measuring technology into the immediate production environment, in particular, helps to increase the productivity and output of the production plants. In sum, a fully automatic measuring run can save approximately 40% of the measurement and setup time.

“The German Innovation Awards honor projects that are pioneering in their field. So we are thrilled that our Done-in-One solution is among the winners of the 2021 German Innovation Awards,” said Jan Klingelberg, CEO of the Klingelberg Group. “True to the expert jury’s ‘Making innovations visible’ motto, the award represents our hard work in recent years.”

“This success is ultimately the result of many small- and large-scale developments from recent years, some of which are patented, including the further development of the tactile measurement system 3D NANOSCAN,” added Dr. Christof Gorgels, division head of the precision measuring centers product line. “The Klingelberg Done-in-One solution can only be implemented when a wide range of innovations and detailed technical solutions come together. We are therefore extremely pleased to have received the award and gained widespread recognition in the market.”

### Assessment criteria

The jury is made up of independent interdisciplinary experts from industry, science, institutions, and finance. The assessment was based on the criteria of innovation, benefit to users, and economic efficiency. The innovation strategy had to take aspects such as social, ecological, and economic sustainability and the use of energy and resources into account. Factors such as the potential of the location and employability, durability, market maturity, technical quality and function, materiality, and synergy effects also played a decisive role in the judging process.

[www.klingelberg.com](http://www.klingelberg.com)

# Open Mind

CELEBRATES 25 YEARS OF CAM SOFTWARE INNOVATION

Open Mind Technologies USA, Inc., the North American subsidiary of Open Mind Technologies AG, announced it is celebrating its 25th anniversary of CAM software achievements this year. Open Mind is the developer of the hyperMILL software suite, and is one of the world's leading CAD/CAM solutions.



“We are excited to reach this important milestone,” said Alan Levine, managing director of Open Mind Technologies USA, Inc. “We attribute our sustained growth to the strong product provided by our global headquarters, together with our local sales, engineering and service delivery. Our team is dedicated to providing customers with an optimal CAD/CAM experience including outstanding technical consultation and service.”

Levine continued, “Our team is strategically located across the nation as well as in Canada and Mexico to closely collaborate with customers on local and regional levels, and stay up-to-date on market requirements.”

Volker Nesenhöner, CEO, Open Mind Technologies AG said, “We congratulate Alan and his entire team in North America. Open Mind continues to expand market share in the United States, Canada and Mexico as the hyperMILL software suite is a superior choice for highly productive machining.”

Leading the way in 5-Axis processing, Open Mind developed the world's first CAD/CAM system utilizing an automatic multi-axis simultaneous machining strategy for mold and die, and also introduced many CAM software techniques including strategies for conical barrel cutters, auto-indexing, and 5-axis helical drilling. In addition to providing a high-performance and innovative CAM software solution, Open Mind's hyperMILL software offers connectivity to CAD systems, feature and macro technology, tool management systems, automation, simulation, probing, and more. The company continues to be at the forefront of key and emerging technologies, such as providing integration with additive manufacturing processes and supporting Industry 4.0 initiatives. hyperMILL is successful in a wide range of industries including mold and die, aerospace, automotive, turbomachinery, energy, medical and more.

[www.openmind-tech.com](http://www.openmind-tech.com)

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