Dental CAD/CAM technology offers productivity, increases worldwide

Constantjann Gart & Dr. Kannman, Germany

NEW YORK, NY, USA and VANCOUVER, BC, Canada: Dental CAD/CAM technology is one of the most important developments in dentistry today. Especially on the lab side, CAD/CAM technology is expected to increase productivity, enabling labs to meet the growing demand for dental prosthetics and other restorations.

This growth is a result of the aging population and the increasing demand for improved dental aesthetics. CAD/CAM technology has met challenges in satisfying dental laboratories' expectations of what this technology will bring to their businesses. However, the technology is evolving at a rapid pace, as new trends and technological capabilities are emerging, representing the potential to surpass what it had initially offered dental laboratories.

Zirconia is the primary driver of CAD/CAM adoption, as the material can be milled into a crown or bridge only by very low labor costs, allowing for mass production. Most of the systems are CAD/CAM systems. Zirconia's biocompatibility and high aesthetic quality have led to a rapid increase in its use for dental prosthetics.

For example, the number of all-ceramic prosthetics has increased, and the increasing demand for aesthetic restorations is also fed by high labor costs. Many of these laboratories have enough volume to warrant the use of an expensive CAD/CAM system with in-house milling capabilities. To reach the larger number of patients in the United States and Europe are also under strain due to competition from other materials, such as China, Morocco, Turkey and Costa Rica.

The vast majority of dental laboratories around the world employ less than five dental technicians. Many of these laboratories have high enough volume to warrant the purchase of an expensive CAD/CAM system with in-house milling capabilities. To reach the larger number of patients in the United States and Europe are also under strain due to competition from other materials, such as China, Morocco, Turkey and Costa Rica.

The number of all-ceramic prosthetics has increased, and the increasing demand for aesthetic restorations is also fed by high labor costs. Many of these laboratories have enough volume to warrant the purchase of an expensive CAD/CAM system with in-house milling capabilities. To reach the larger number of patients in the United States and Europe are also under strain due to competition from other materials, such as China, Morocco, Turkey and Costa Rica.

In addition, Dr. Ihde has been specialising in developing and improving the concept of zirconia implants, resulting in several integrated lines of basally osseointegrated (BOI) implants and their specific applications. This implant type is suitable for use in situations with a minimum vertical bone supply, eliminating the need of harvesting bone grafts from the iliac crest and performing comprehensive bone augmentation surgery.

All implant lines are continuously expanded, improved, and updated to incorporate and accommodate the most current scientific findings in oral implantology. Ihde Dental also clearly cooperates with well-renowned oral implantologist to ensure that their implant meets all the requirements of everyday clinical practice.

All implants are produced in Europe, meeting the most stringent German and Swiss quality standards. Ihde Dental is present in more than 20 countries through its network of qualified resellers, who, according to Dr. Ihde, are committed to excellent service for their customers.

“We will continue to follow the consistent path of international expansion with a major important key region for us,” explains export consultant Greg Winters. “This is why we have decided to present our

The German Swiss dental manufacturer Dr. Ihde Dental has announced its participation at the FDI World Dental Congress in Singapore for the first time. The company, which can look back on a 50-year tradition in the production of dental materials for dental devices, to include other materials, such as porcelain and other product offers are available at www.ihde-dental.de and www.implant.com.