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LM Dental Tracking System™

Instrument intelligence with unique identification technology

LM feel the difference

ABOUT LM-DENTAL

LM-Dental develops, produces and markets high-tech dental hand instruments and their tracking system together with ultrasonic devices, orthodontic appliances and more. With the innovative product design and high-tech production technology we are the fastest growing manufacturer of hand instruments in Europe and the market leader in all Nordic countries. Our products are produced in Finland and Sweden and over 80 % are exported globally. LM-Dental has been part of Planmeca Group since 1999.

LM-Dental is one of the leading manufacturers of ergonomic dental instruments in the world. The company actively works with dental clinicians to ensure its product development remains at the cutting edge. This collaboration has revealed many challenges related to material handling and traceability – with increasing requirements for patient safety and documentation often emphasised. Logistics and instrument maintenance could also be managed better and more effectively. To help tackle these challenges, LM-Dental has developed a unique tracking system.

New intelligence for dental clinics

The **LM Dental Tracking System™** (DTS) is the first commercially available system in the dental industry to efficiently track and monitor dental instruments and materials using RFID technology. An advanced identification chip in the ergonomic LM-ErgoSense instruments allows them to be reliably traced at every step by simply scanning the tiny RFID chip. The built-in identification technology creates a unique dental tracking system together with our scanning readers and server software. The system optimises and streamlines material flows at dental clinics – both in maintenance and clinical care.

Turning intelligence into improvements

The scanned dental instruments and materials are tracked with readers that record the location and status of all tagged materials. The information is sent to a server software that tracks and verifies activity cycles of tagged materials – allowing clinicians to trace where instruments and materials are as well as who has been using them and on whom. The software also generates easy analytical reports about the items registered in the system, which improves material handling, increases cost efficiency and helps to ensure that only safe and clean instruments are used. This elevates patient safety to a whole new level!

NEXT GENERATION DEVELOPMENTS

LM-Dental's aim in product development is to innovate together with clinicians. In addition to the instrument intelligence and ergonomics, LM-ErgoSense offers new opportunities with its contemporary coating technology. Sharp Diamond sharpen free periodontal and Dark Diamond non-stick restorative instruments are finally reality.

Key advantages of LM Dental Tracking System™

KNOW THE EXACT LOCATION OF ALL INSTRUMENTS AND MATERIALS

"All of our instruments have been tagged, which means we can keep track of them at all times – from their dispensation to utilisation, processing, sterilisation, and return to storage.

The LM Dental Tracking System ensures that we always have full control over the hygiene status of our instruments. We can also precisely document which of them students have been using and on which patients, as well as when they have been sterilised. We can define which instruments different students are allowed to use. We can even follow when and for how long students work on different patients.

Through analysing statistics on their flow, we can implement a standard procedure for periodic control of instruments, e.g. sharpening of scalers.

Overall, tracking instruments serves many purposes and can contribute to better and cheaper operations at a dental office – especially in larger settings."

Bo Danielsen (D.D.S., MBA)
Head of the School of Oral Health Care
University of Copenhagen, Denmark