

# LM Dental Tracking System™

LM

feel the  
difference



Knowing is efficiency,  
safety and savings.

New intelligence in the dental clinic  
to improve material flows and patient safety

## LM Dental Tracking System™

Working together with dental clinics has revealed many challenges related to material handling and traceability - with increasing requirements for patient safety and documentation often emphasized. Logistics and instrument maintenance could also be managed better and more efficiently. To help tackle these challenges LM-Dental has developed a unique tracking system.

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. Instruments, handpieces, filling materials, implants etc from different manufacturers are wirelessly read in few seconds. Automating traceability, logistics and infection control documentation allows staff to work more efficiently and focus on the patient.

### Internet of Things goes dental

Internet of Things (IoT) in dentistry enables gathering and analyzing Big Data for constant improvement of processes, workflows and cost efficiency.

The Internet of things is when objects are provided with unique identifiers and the ability to transfer data over a network. A thing can be a person with a heart monitor implant or now a dental instrument with a RFID chip.





"All of our instruments have been tagged, which means we can keep track of them at all times - from their dispensation to utilization, processing, sterilization, 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 sterilized. 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.

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*

New intelligence in  
the dental clinic -  
know the location  
of all instruments  
and materials



Scan the QR code for animation!



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

# Turn information into action



## RFID identification tags

The LM-ErgoSense hand instruments and other dental materials with identification tags can be scanned with DTS™ readers for reliable tracking through their entire life cycle - from storage and maintenance to clinical and patient care.

## DTS™ readers

The DTS™ readers (either multi-read or single-read) can be placed in any environment. They notify users of errors, such as the use of unsterilized instruments or expired material.

## DTS™ server software

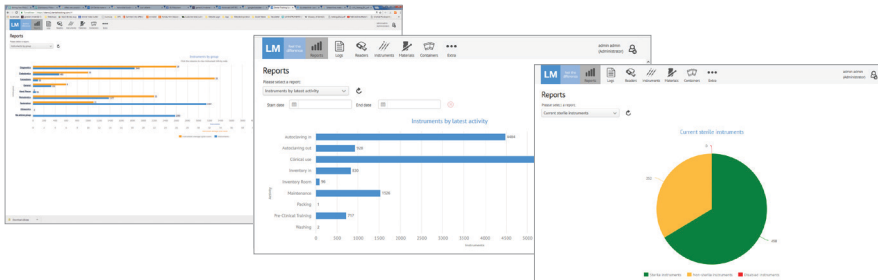
The DTS™ server is used to record, track and verify the cycles of activities done to tagged materials.

## Analysis

The software provides easy analytical reports about the items and activity cycles registered in the system.

## Action

The information in the reports can improve and ease asset management and documentation, and most importantly increase cost efficiency and patient safety.



New intelligence in the dental clinic  
to improve material flows and patient safety

# LM Dental Tracking System™

Working together with dental clinics has revealed many challenges related to material handling and traceability - with increasing requirements for patient safety and documentation often emphasized. Logistics and instrument maintenance could also be managed better and more efficiently. To help tackle these challenges LM-Dental has developed a unique tracking system.

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. Instruments, handpieces, filling materials, implants etc from different manufacturers are wirelessly read in few seconds. Automating traceability, logistics and infection control documentation allows staff to work more efficiently and focus on the patient.

## Internet of Things goes dental

Internet of Things (IoT) in dentistry enables gathering and analyzing Big Data for constant improvement of processes, workflows and cost efficiency.

The Internet of things is when objects are provided with unique identifiers and the ability to transfer data over a network. A thing can be a person with a heart monitor implant or now a dental instrument with a RFID chip.



# Key advantages



## PATIENT SAFETY DOCUMENTATION

- Sterilized instruments
- Material traceability
- Expiry dates
- Reduce risk



## COST REDUCTION

- Automatic controls
- Decrease stock
- Improve material flow
- Optimize processes & logistics



## ASSET MANAGEMENT

- Daily clinic management
- Budgeting & long term planning
- Locate missing items



## EDUCATION SUPPORT

- Validate competences in simulation exercises
- Feedback to students
- Documented exercises

How much would you  
profit using DTS™?

Calculate at [www.dentaltracking.com/benefits](http://www.dentaltracking.com/benefits)



## Interested to know more?

Please visit [www.dentaltracking.com](http://www.dentaltracking.com)  
or contact us by email  
[dts.sales@lm-dental.com](mailto:dts.sales@lm-dental.com)

# LM Dental

LM-Instruments Oy

Norrbyn rantatie 8 | FI-21600 Parainen | Finland

Tel. +358 2 4546 400 | [info@lm-dental.com](mailto:info@lm-dental.com) | [www.lm-dental.com](http://www.lm-dental.com)