



Knight Dental Lab - Oldsmar, Florida
96 Employees / Approx. 20,000 Sq. Ft. Lab



Enhanced Efficiency Through Inventory Automation.

Case study by:  ZIMBIS

Knight Dental Group, a Leixir Group Company, is passionate about providing best-in-class restorations for their clients. As a member of Leixir's network of dental labs, a prominent focus on advanced technology and digital solutions is at the forefront of delivering highly advanced and quality products.

As dental implant restorations have become more of the norm in recent years, the management of implant inventory has become a priority for dental labs. Knight was determined to find the right solution to their growing implant inventory to securely store, track, and accurately forecast purchasing for these components. Zimbis proved to be both efficient in the automation of purchasing forecasts and of FDA lot number tracing, as well as providing the ability to securely house materials and ensure they are accurately accounted for and allocated to the correct cases.

Inventory management goals included

- Reduce excess inventory on-hand
- Reduce labor associated with inventory management
- Improve the efficiency of FDA lot # tracking

The Evidence

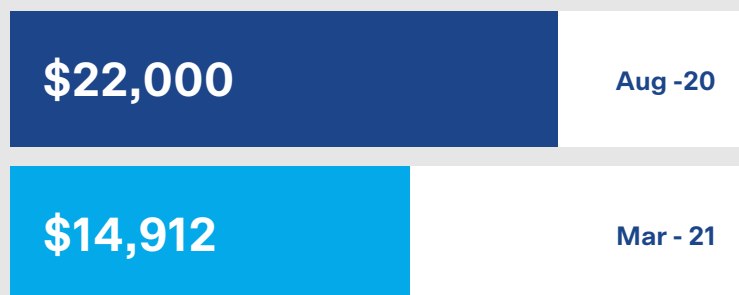
The Zimbis Tower was installed in the implant department in August 2020 to manage these very needs. This case study examines a six-month period ending in March 2021.

Less on-hand inventory equals enhanced cash flow

For the parts managed through Zimbis, the on-hand inventory decreased by \$7,088 or 32%, from \$22,000 to \$14,912 for the 6-months ending March 2021. These savings directly impacting cash flow in a positive manner.

6 Month Inventory Reduction

of the parts being managed





Labor savings by time reallocation

As labs are tracking what they use manually, it puts a drain on resources. As a result of Zimbis' automated processes, Knight Dental Group was able to eliminated 1-2 hours per day of manual documenting by highly paid technicians.

This allowed these technicians to reallocate their focus on essential job duties; completing more complex cases that positively impact revenue. Automated reporting available from Zimbis also made a significant impact on management's time as it provides an accurate purchasing forecast based on usage.

FDA compliance improvements

It can be difficult to measure or quantify everything that matters. For example, an extraordinarily positive byproduct of Zimbis solutions is increased efficiency in regulatory compliance. The automated lot number tracking that the Zimbis plus incorporates not only helps ensure components with lot numbers are accurately logged to each case, it eliminates the need for manual entry of these details into each case.



"We experienced great success in the reporting of used materials and identifying slow moving components allowing us to more accurately forecast purchasing requirements in turn decreasing our spend."

Nicole Follert Purchasing Manager

In addition to providing this increase efficiency in lot number tracing, The Zimbis cloud-based software allows for easy reporting on lot numbers both by case and individual lot number, ensuring compliance and accountability.

Does it cost, or does it pay?

Almost immediately, productivity and efficiency improved, and Knight Dental Group saw a significant reduction in on-hand inventory and time spent managing inventory and compliance. Looking purely at labor reallocation savings, the system pays for itself in 3 years

6-Month Total Savings

Reduction in on-hand inventory	+ \$ 7,088
Reduction in labor managing inventory	+ \$ 7,500
Total Benefit	\$14,588
Zimbis 6 month subscription	- \$4,488
Net Benefits	\$ 10,100

\$748 per month

This study clearly demonstrates the investment in Zimbis led to increased profitability. Additionally, security, accountability, and regulatory compliance proved to be excellent ancillary benefits.