DentalManager CAMbridge™ NEW

Be more competitive with fully automated manufacturing

DentalManager CAMbridge enables fully automated manufacturing by automatic preparation of the completed design (e.g: Automatic addition of sprues, drops and optimal placement in the blank for milling).

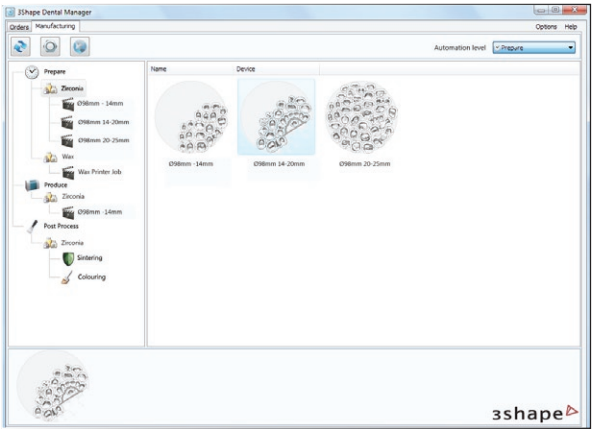
As orders are ready for manufacturing the completed designs are automatically prepared for the selected material and corresponding manufacturing equipment. The orders can originate from internal modeling or be received from external labs.

When the inbox and CAMbridge are combined **highly competitive manufacturing centers can be established**, where orders are sent from the lab and passed to the manufacturing equipment without human interaction.

The user-friendly interface combined with the highest level of automation available, empowers non-technical operators to run a streamlined production. The optimal placement not just reduces manpower and skill requirements, but also **improves material utilization and increases manufacturing capacity.**

Automatic sorting

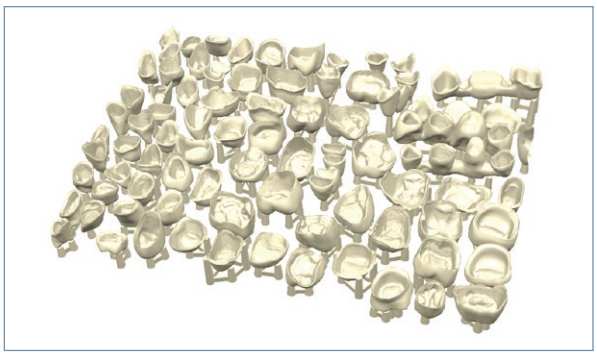
DentalManager CAMbridge™ can be configured to automatic sort completed designs into different process folders based on manufacturing specific parameters, such as material/manufacturing equipment and height. As an example, a manufacturing center with a milling machine for zirconia and a wax printer can setup folders for 3 different heights of zirconia to be milled and one folder for the wax to be printed.



Automatic sorting by material and height.

Wax printers and model making machines

For rapid prototyping machines, such as wax printers and the model making machine, the software can automatically perform all steps required for the preparation, including optimal placement, orientation and support generation. In most instances, the software is also able to seamlessly transfer files and communicate with the machine.



Automatic preparation for wax printers.

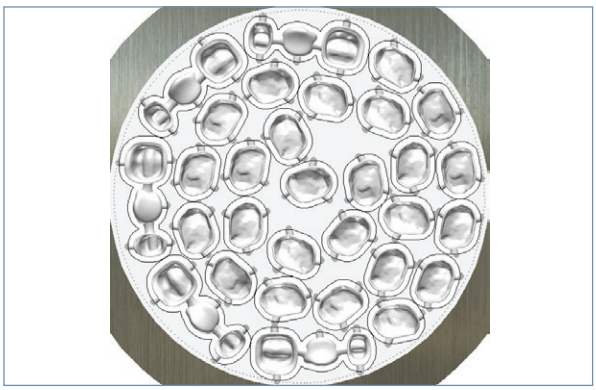
Laser sintering

Full automated preparation of completed design for Laser sintering machines is also available including optimal placement, unique support generation and ID tags for easy identification. The unique support structure suppresses the warping during the sintering process, but is still easy to remove.

Automatic preparation for laser sintering.

Milling machines

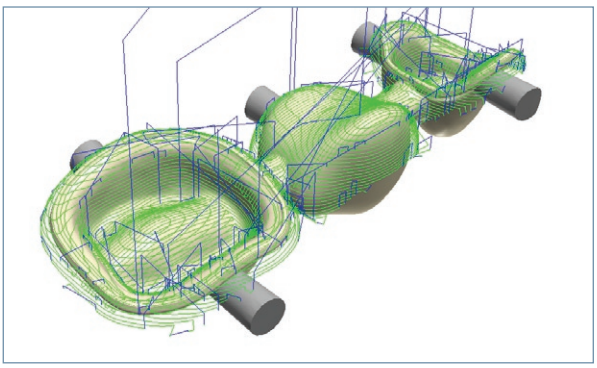
For milling machines completed design can automatically be optimally placed in the blank to maximize material utilization. Other functionality includes automated placement of sprues and drops - if needed. The module also contains a blank manager, which allows tracking and re-use of partially milled blanks from previous jobs. The actual milling path generation can be performed by 3rd party or the 3Shape CAM software.



Automatic placement of 51 units in 98mm blank.

3Shape CAM software

As an alternative to the supported 3rd party CAM solutions, 3Shape offers built-in CAM software optimized for milling dental work. The CAM software offers very competitive milling strategies for 3.5-axis machining. The software is also able to seamlessly transfer files and control to the machine. Dynamic milling simulation is also included.



3Shape CAM milling strategy.

HIGHLIGHTS

- **Automatic preparation** - of completed design to minimize human interaction and cost
- **Optimal placement** - to maximize material utilization and increase manufacturing capacity
- **Novel printer supports** - for high accuracy results and easy removal
- **Blank management** - for tracking and re-use of partial milled blanks
- **3Shape or 3rd party CAM software** - to achieve the optimal milling performance