

## A comprehensive workflow & production platform for dental metal additive manufacturing applications powered by artificial intelligence.

Oqton increases dental lab productivity and eliminates the bottlenecks in the additive manufacturing workflow in a number of key ways:

- Unprecedented **automation** throughout the entire workflow
- Full **traceability** of process and parts
- Intelligence & **experience** programmed into the process.

**OQTON**



proto3000

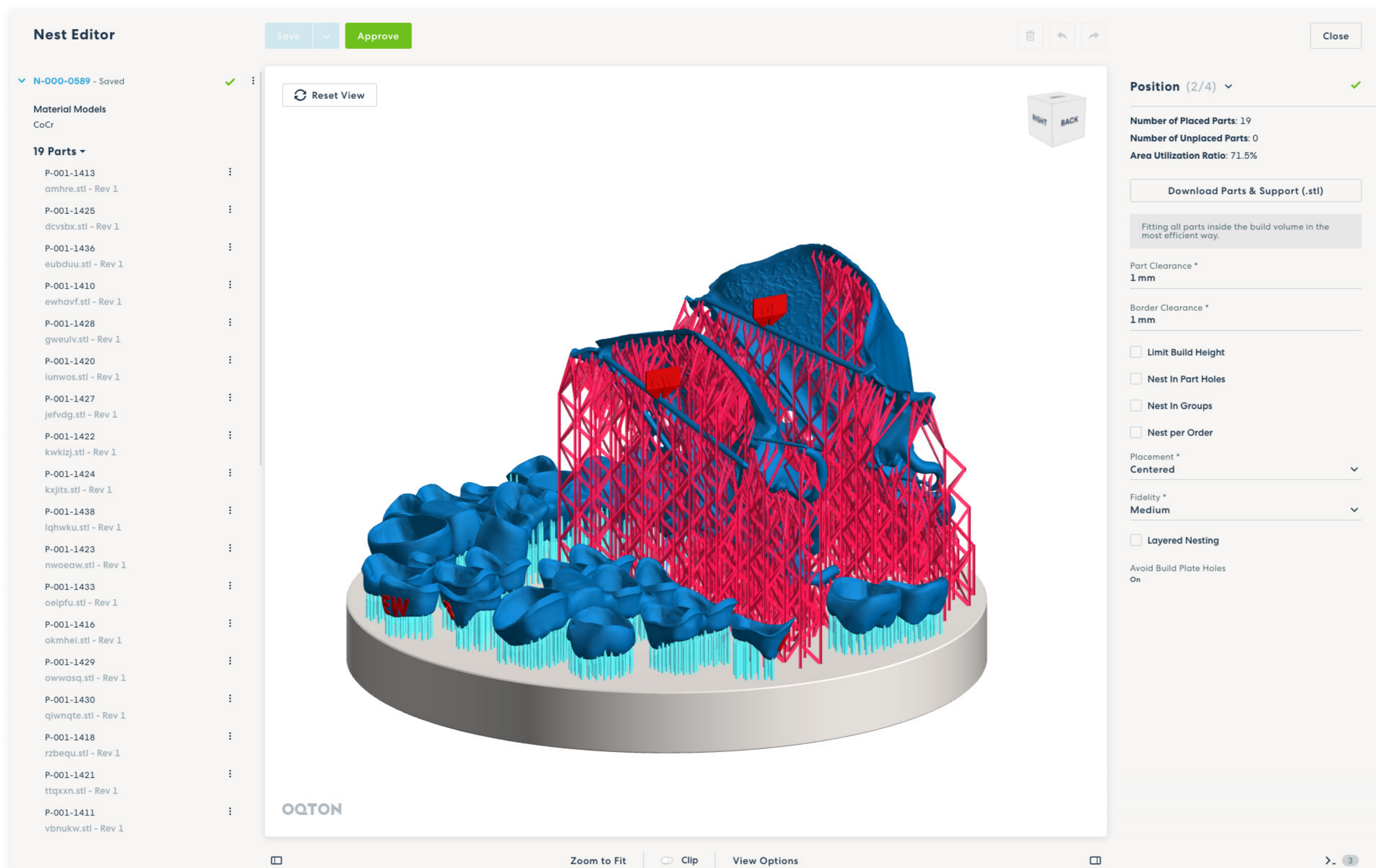
ISO 9001:2015





**Metal additive manufacturing (also known as 3D printing) is an ideal production method for dental prosthetics and appliances, such as crowns and bridges, orthodontic bands and Removable Partial Denture (RPD) frames.**

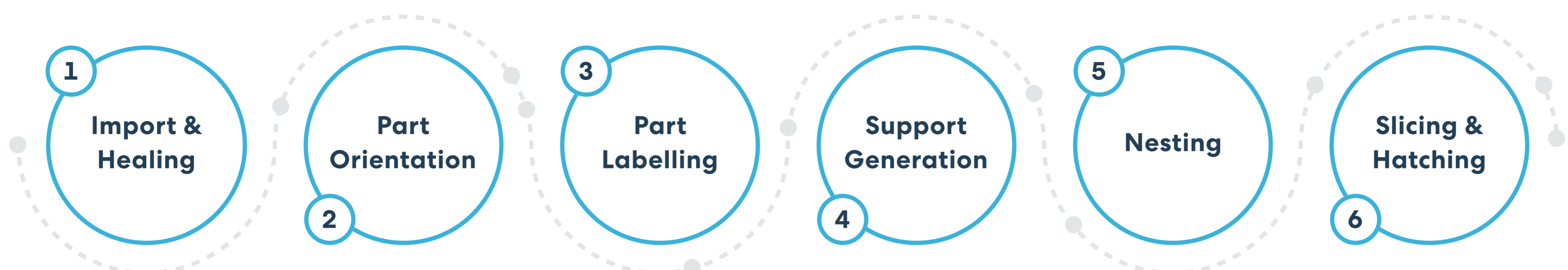
**However, leveraging this technology often requires lengthy training & expertise as well as complicated, fragmented technical software to prepare for printing, which is both time-consuming and repetitive. The Oqton dental production platform is a comprehensive solution to many of the issues that dental laboratories face across their entire manufacturing workflow.**



Easy to remove support and optimized nesting automatically generated in Oqton

## Oqton for dental

Powered by Artificial Intelligence (AI) to provide smart automation across the dental workflow, Oqton supports automated part classification and presets for all dental applications. Time and cost efficiencies are gained across the whole process chain, with data preparation times reduced by as much as 90%.

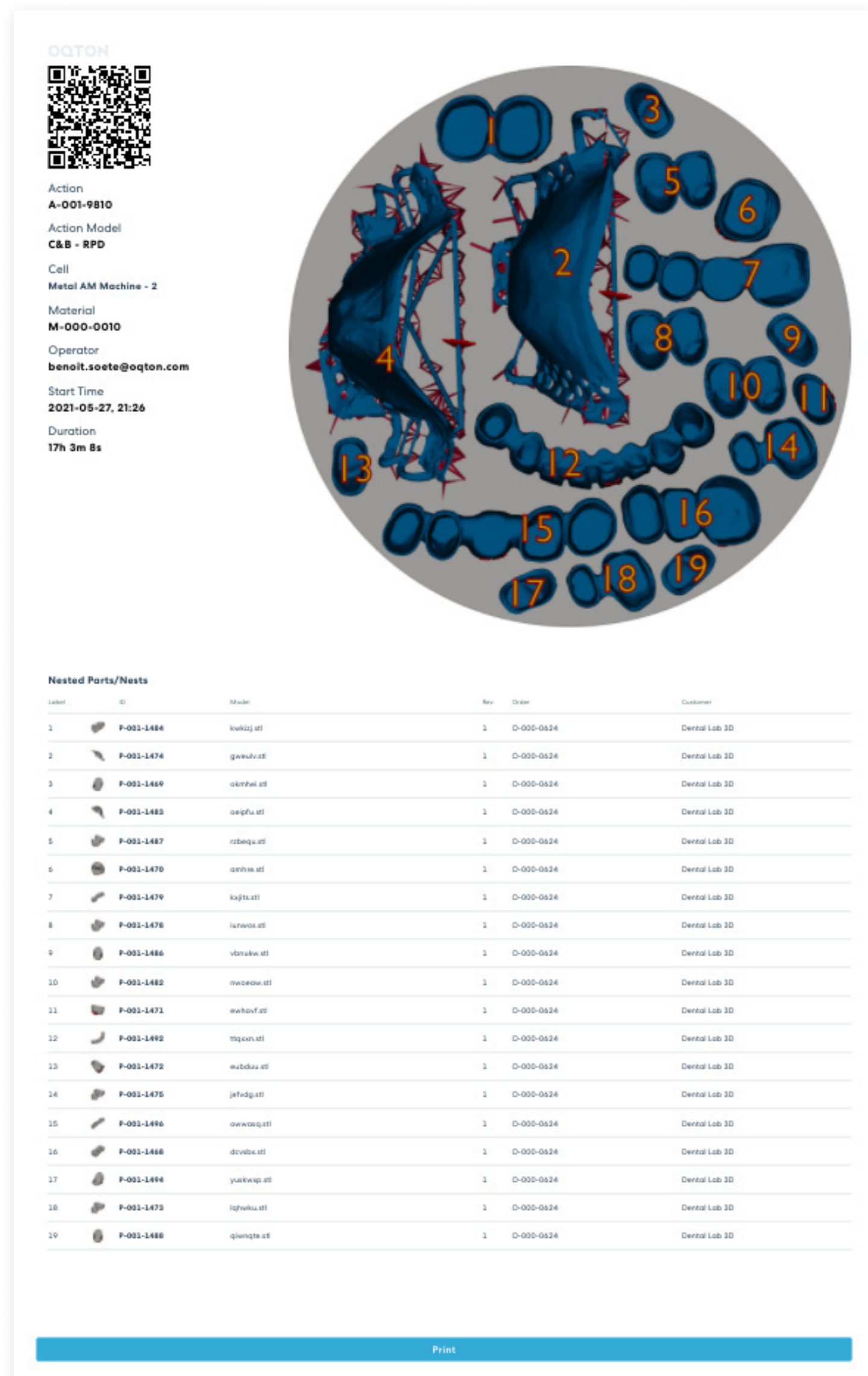


## AI-powered Automation

- For data preparation Oqton can provide fully automated file conversion, file fixing, part orientation, support generation, part labelling, high-density nesting and slicing. These calculations can be left running unattended, with no guided wizard to click through, allowing operators to use their time more productively.



- Geometric and production data is used to automatically classify parts. These classifications can be mapped to specific production routes, further accelerating downstream processes and overall productivity.
- Oqton can automatically orient parts to reduce build times and produce superior production results, taking into account factors such as machine time, amount of support material and finishing requirements to achieve the most optimized orientation.
- Oqton's machine learning capabilities enable the system to suggest classifications, orientations and workflows based on how users prepared similar parts in the past. This further reduces engineering time spent on repetitive tasks.



Automatically created nest report

## Maximum Productivity

- The Oqton platform can accommodate dense interlocked 3D nesting (no bounding box required for RPDs) to fit up to 10% more parts on a build plate. In addition, the Oqton platform provides fully automated layered nesting capabilities for overnight builds of crowns & bridges. Parallel cloud computing ensures fast nesting and slicing.
- The system allows users to manage production with automatic labelling for fast and easy part sorting, and paperless tracking of parts.
- Oqton is a complete solution that combines CAM and production management capabilities with an intuitive dashboard interface and automatic alerts that provides complete oversight.

## Full Traceability

Oqton tracks all orders, material batches, and part history (including revision history for easy compilation of Design History Files and Device History Records).

## Compatibility

Oqton supports a wide range of metal 3D printers, including EOS, Trumpf, Sisma, 3DSystems, SLM Solutions, Renishaw, Concept Laser, Shining 3D and more.

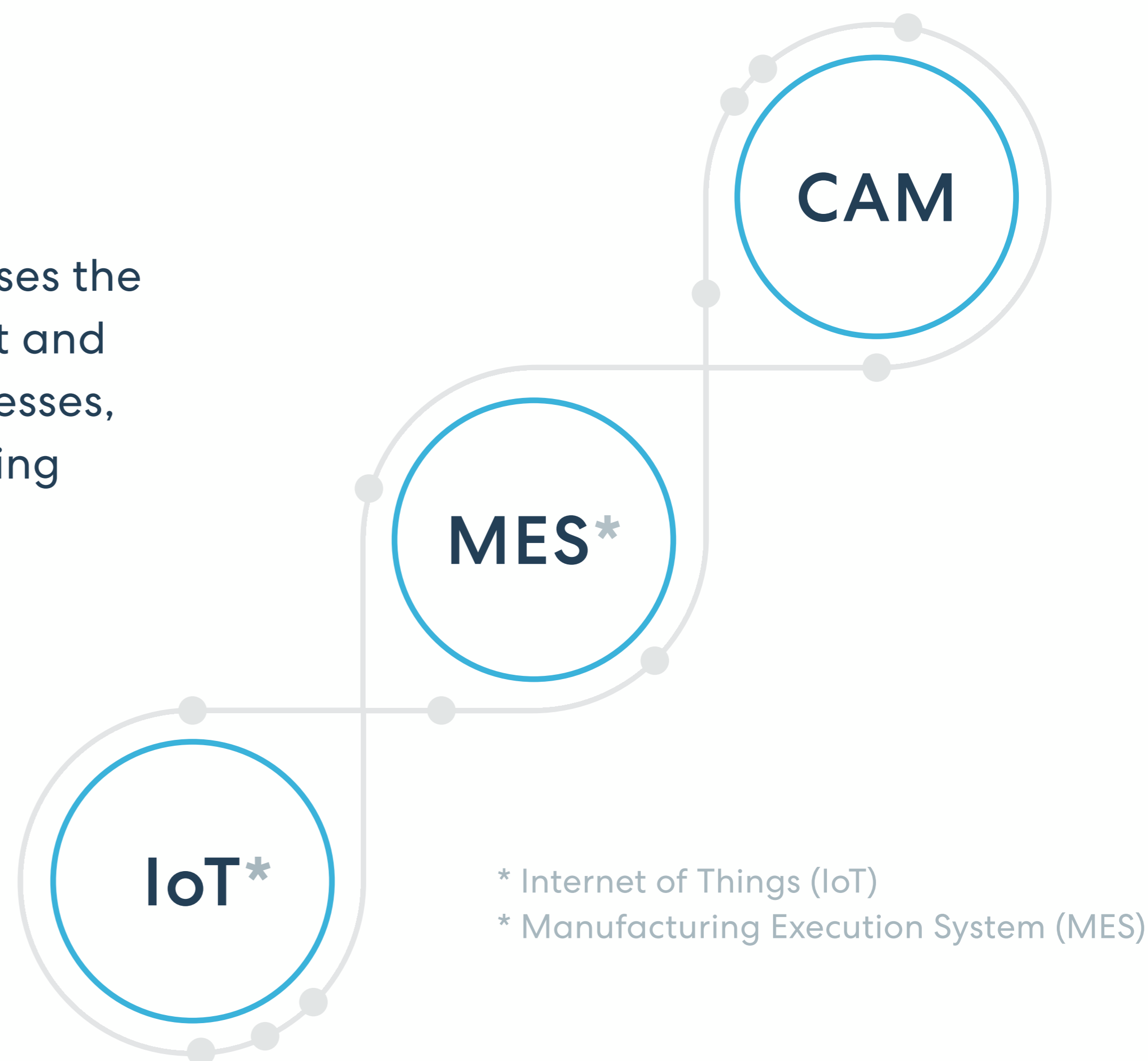


# Oqton for dental is a complete solution for a fast and flexible dental production workflow.

Unparalleled automation enabled by AI to realise unprecedented levels of efficiency & productivity, bringing you the peace-of-mind you deserve.

A single integrated system that significantly increases the productivity of digital dentistry. Oqton can connect and automate the workflow for all manufacturing processes, including CNC milling, metal and polymer 3D printing and hybrid additive/subtractive CAM workflows.

Schedule, track and trace all actions in your dental lab environment. Custom dashboards, reports and alerts accessible anywhere on any device.



DESIGN | SCANNING | 3D PRINTING | MILLING | MATERIALS | POST-PROCESSING



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