

OQTON

Automate your production with an
intelligent Manufacturing OS

MIC 2022





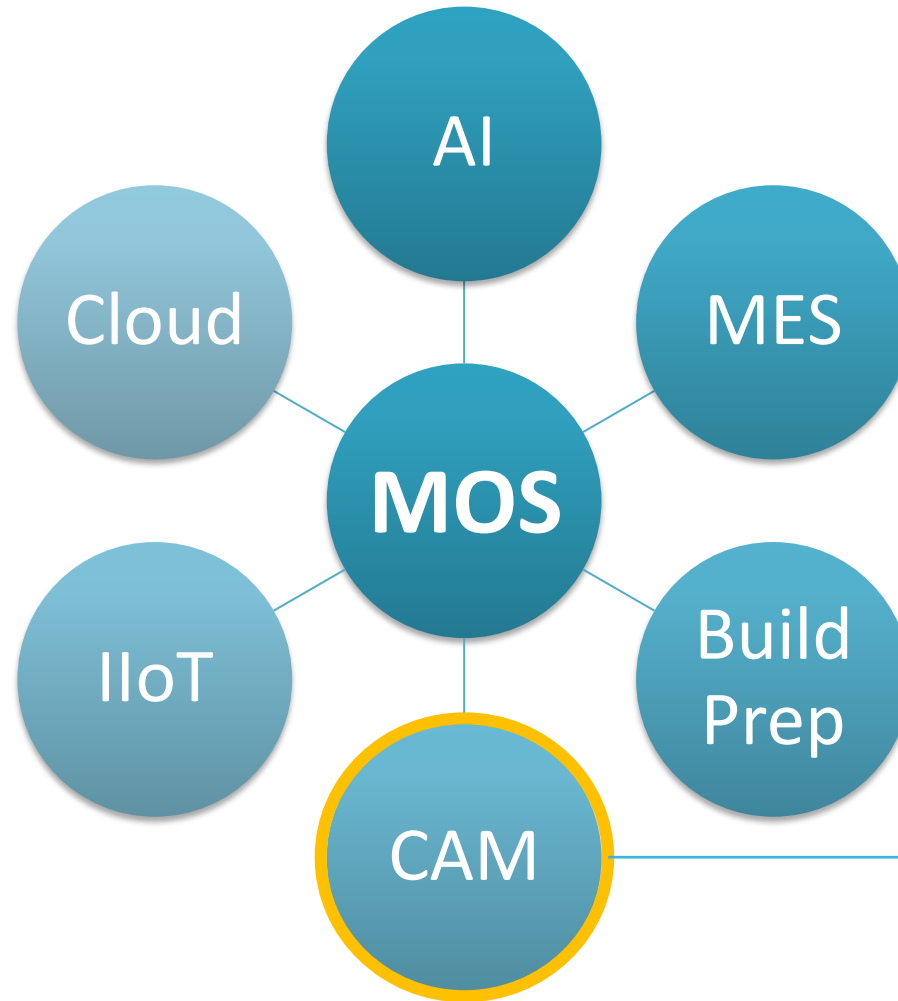
The solution




ModuleWorks

Get There Faster.

Integrated Seamlessly
End-to-end across process
Unified UX



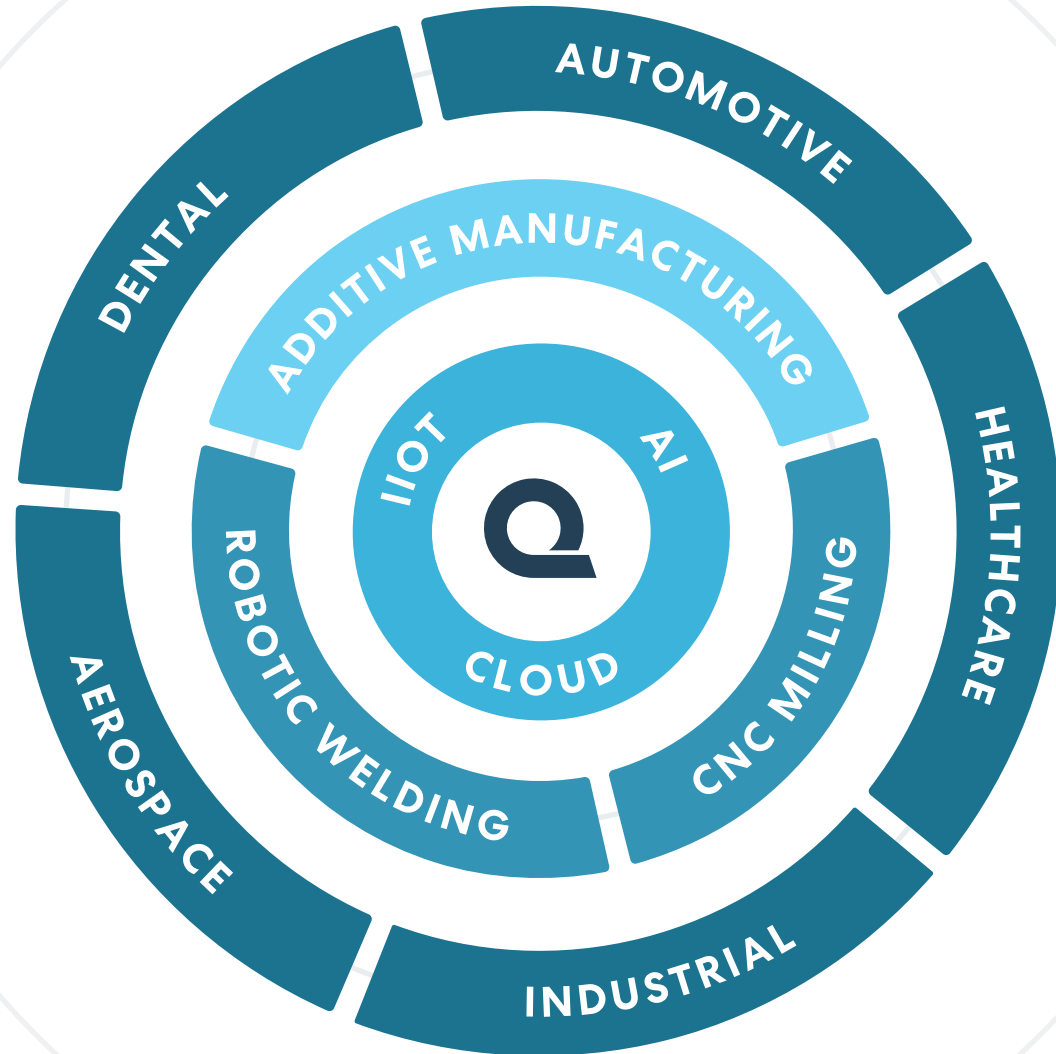


Enable autonomous manufacturing for companies of all sizes

MISSION

OQTON

Focus through business verticals

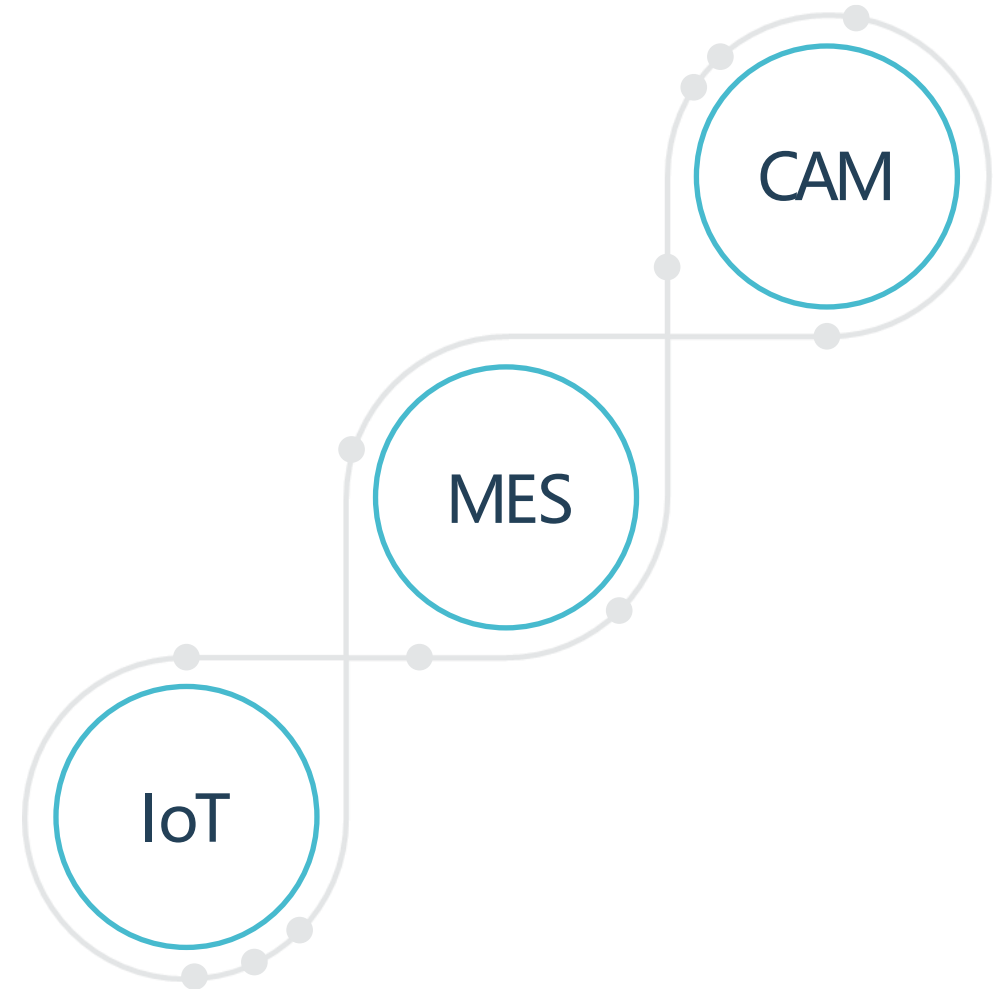


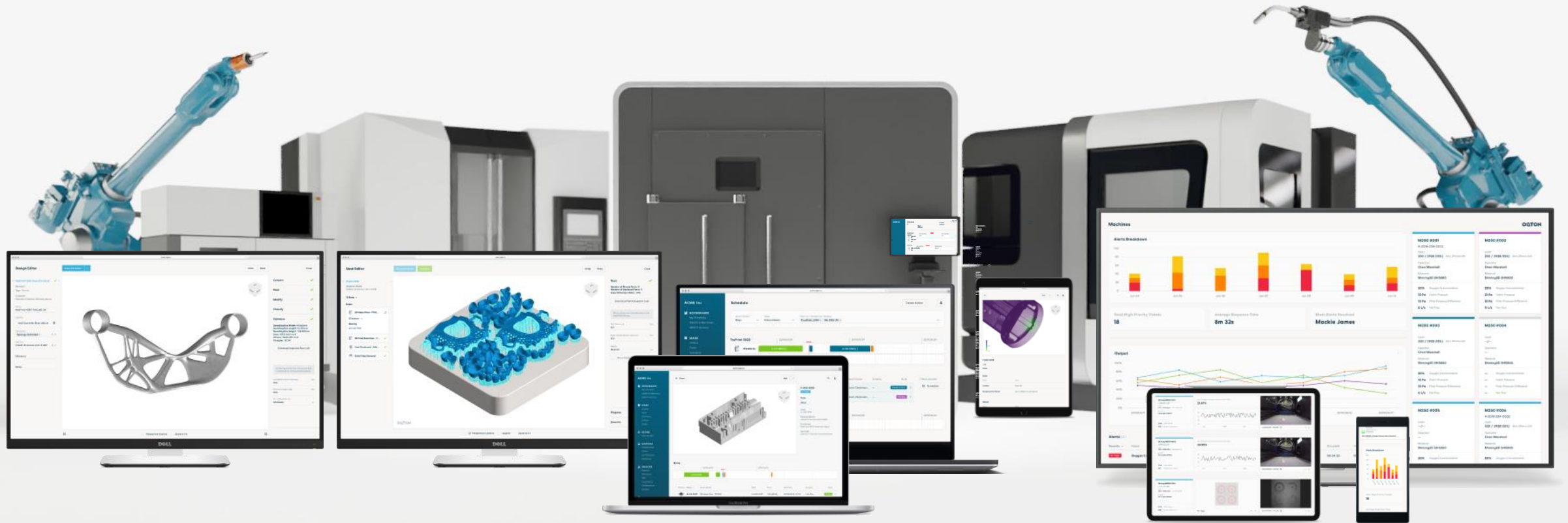
Manufacturing Operating System

Generate job files for 3D printing and CNC
Minimum-click automation for all your CAM
workflows, from order to production.

Shop floor production management
Plan, track & analyze the entire production, for
operators, supervisors & management.

Machine monitoring and connectivity
Live machine status and sensor data. Push job files and
manage job queue.





Design

Prepare

Simulate

Schedule

Monitor

Analyze

Trace

Finish

Inspect

Certify

Powered by AI

Sustainable manufacturing for all companies

Planet

- Less waste
- Produce locally
- Customized products
- Full traceability

People

- Capture expert knowledge
- Assisted engineering
- Break down silos

Profit

- Lower engineering costs
- Improve utilization
- Rapid new product introduction
- Small batch sizes

A New Breed Of End-End-End Manufacturing OS



Orders



Oqton Cloud



Parts

Integrated Build
Preparation & CNC
CAM

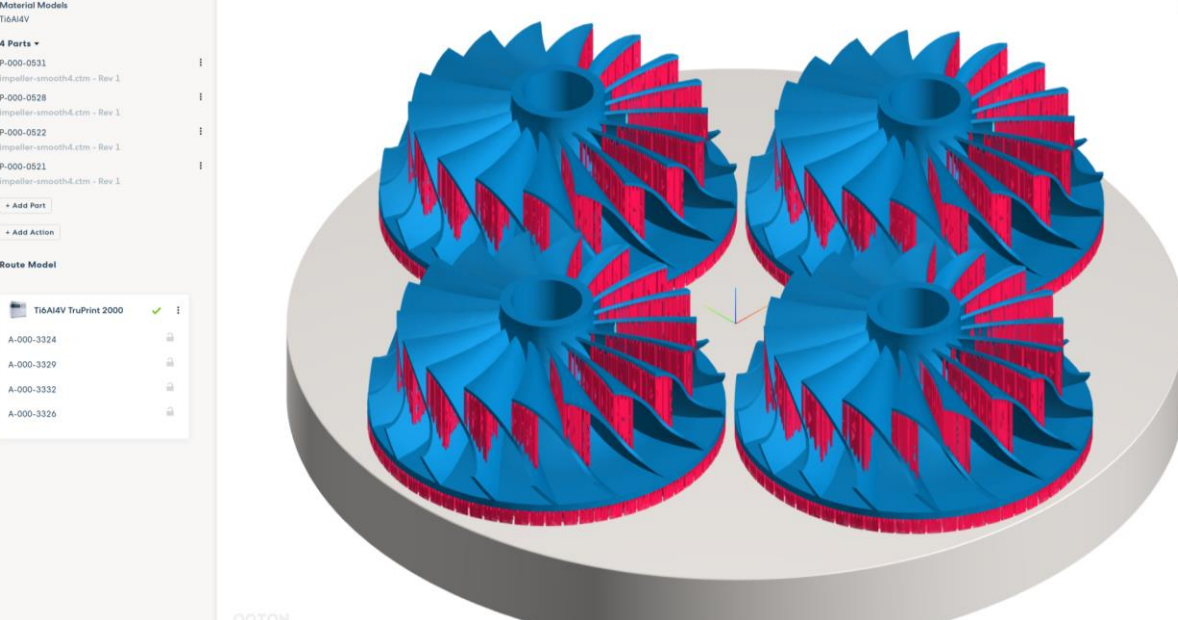


Industrial IoT



AI-Powered
Manufacturing
Execution System





Number of Unplaced Parts: 0
Area Utilization Ratio: 68.1%

Fitting all parts on the buildplate in the most efficient way.

Part Clearance: 1.5
Build Volume Border Clearance: 1.5

- Limit Build Height
- Nest In Part Holes
- Nest In Groups
- Nest per Order
- Layered Nesting

Fidelity: Medium
Avoid Build Plate Holes: On

Model: Hybrid dental SLM - ...



CNC ✔

CNC Cycles
3ax finishing inside copings ▼

Estimated machining time: 2 hrs 10 mins 30 secs

[Download NC File](#)

Milling Strategy
650i-coping_5step_finishing_0.3mm... 🗑️

Calibration SLM Buildplate Hide

Calibration Option
Align To CNC Origin ▼

Execute ✔

Monitor

Save Approve

Hybrid dental SLM - ...

Configure

CNC

CNC Cycles
Roughing

Toolpaths calculation

Cycle 0:

Cycle 1:

- Enabled
- Name: Semi-f...
- Mach... 1.2mm
- Bot...
- Generated KUKA 1.2mm 🗑️

Selected weld selections

All edge welds

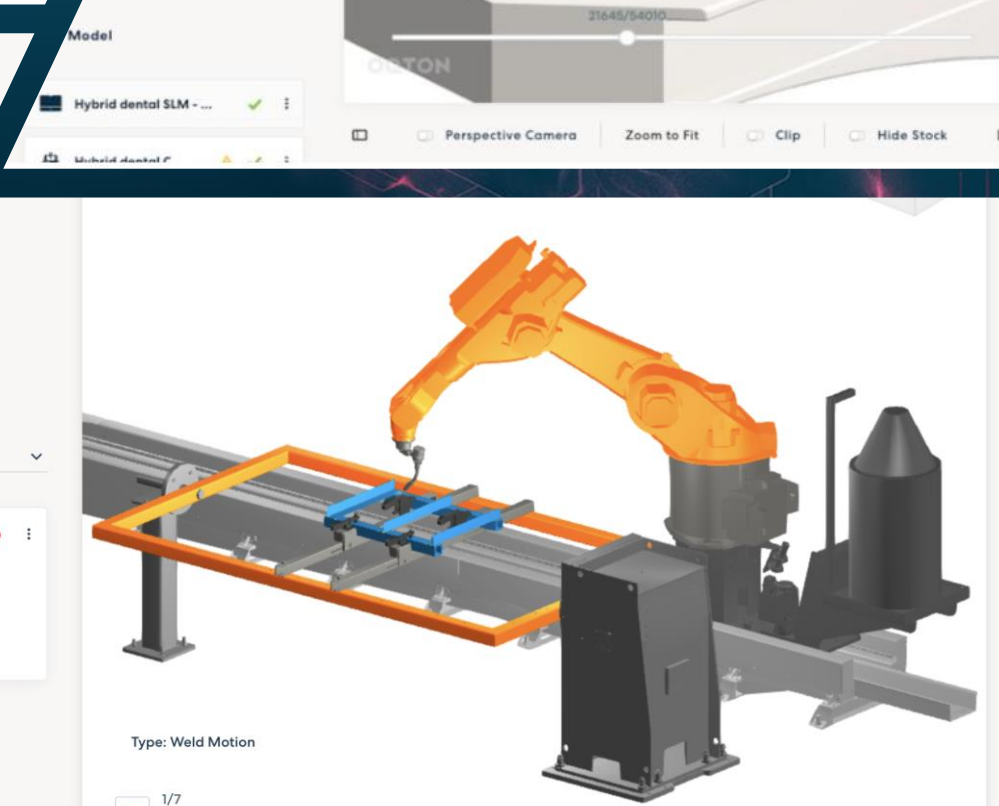
All tee welds

All lap welds

All other welds

[+ Add Action Model](#)

[Save Route Model](#)



Weld #20 selected

Voltage

Offset Voltage: 21.34 V
Position: 0 mm

Current

Offset Current: 105.2 A
Position: 40.3 mm

Travel Speed

Offset Travel Speed: 102.4 cm/min
Position: 0 mm

Enable weaving

Enable pulsing

Questions?

Thank You

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