WHY THE OQCAM×AXTRA3D COMBINATION SETS A NEW BENCHMARK FOR SPLINT MANUFACTURING

Fully Automated Serial Production of Snoring Appliances

> OQCAM: THE PRODUCTION INTELLIGENCE BEHIND SCALABLE SPLINT MANUFACTURING
> AXTRA3D: WHEN PRINTING SPEED TURNS INTO REAL PRODUCTION POWER

Many dental labs and production centers have invested in high-performance 3D printers, yet still struggle to achieve the results they expected. Why?

Printers are fast, but the processes before printing are not. Quality depends heavily on expertise, and once machines are installed, they rarely operate at full potential because of a gap in knowledge. Add in the cost of time, energy, and margins to post-processing, and the workflow fails. The market is full of standalone tools. What has been missing is a truly integrated, production ready solution.

The collaboration between Oqcam and Axtra3D is not a typical partnership. It is a purpose-built production alliance that provides the solution.

Oqcam orchestrates the workflow. Axtra3D delivers the throughput. That is where the real differentiation begins.

THE RESULT IS NOT INCREMENTAL: IT'S TRANSFORMATIONAL

<5
minutes for automated data prep

18
splints printed per 1.5 hours

>100%
increase in machine output

50%
reduction in post-processing effort

This is not optimization, but a new class of splint manufacturing.

This solution is not just about KPIs, it's about visible improvements in day-to-day operations:

- Less stress on the production floor
- Reduced dependency on key individuals
- Reliable build setups and orientations
- Greater predictability and confidence
- Teams work more efficiently
- Deliver more consistent results

WHY ONLY THE COMBINATION IS TRULY UNBEATABLE

Many solutions perform well in isolation, only **Oqcam × Axtra3D** close the loop end-to-end

SOFTWARE ONLY

- Fast data, Limited Throughput
- Operator Dependent
- Conceptual Performance

PRINTER ONLY

- High Speed, Manual Bottlenecks
- Setup Dependent
- Isolated Output

OQCAM × AXTRA3D

- Fully Automated Serial Production
- Operator Independent
- Industrial Reality

THE COMBINATION THAT MAKES A DIFFERENCE

Oqcam is not just another piece of dental software. It is the automation layer that transforms digital dentistry into industrial manufacturing.

What makes Oqcam unique:
· Fully automated data preparation in under 5 min
· Rule-based part orientation
· Automatic labeling identification, traceability
· Maximum packing density
· No compromise of process stability
· Independence from individual CAM experts

Oqcam turns customized dental appliances into an industrial, repeatable production process.

Axtra3D represents a high-speed SLA platform engineered not for demos, but for continuous, high-volume production.

Why Axtra3D stands out in splint manufacturing:

· Stable printing performance at high density
· Fully reproducible builds, shift after shift
· 18 snoring splints printed in just 1.5 hours
· More than double the output in same time

Lumia.X1 is a high throughput, production grade manufacturing platform.

CONCLUSION: THE NEW STANDARD FOR SPLINT PRODUCTION

Oqcam automates the decision-making.
Axtra3D delivers the performance. **Together, they define the new industrial standard.**

This combination is not just better, it's unmatched. This revolutionary partnership solves the issue many dental production systems struggle with: the transition from dental craftsmanship to industrial-scale manufacturing

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AXTRA3D'S DENTAL SOLUTIONS

Our dental offerings include solutions for:

Dentures
Splints
Dental Models
Crowns & Bridges
Aligners
Surgical Guides

Which we proudly offer as Axtra Solutions™ with our material partners:

![pro3dure medical]

![keystone Industries]

![NextDent by 3D SYSTEMS]

NEW: THE AXTRA WORKFLOW™