



SUCCESS STORY

Medis

Bespoke furniture and
complex interior solutions

Company Context

Medis is a manufacturer of bespoke furniture and complex interior solutions, operating in a fully project-based production model. The company delivers **complete, ready-to-install end products** to its clients - ranging from furniture to wall systems, doors, and other interior elements that require advanced technological and manufacturing solutions.

Approximately **95%** of Medis projects are unique. While some projects have continuity (network-based or repeat concepts), each order differs in materials, forms, functions, and production technologies.



A typical Medis project involves:

Approximately **3 months** from contract signing to delivery

2-3 engineers/designers

15-20 distinct product positions



Turning Point: A Strategic Shift in Direction

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The turning point in Medis' development was a strategic decision to change its target market - moving away from simple, standardized products (internally referred to as "boxes") and toward the creation of complex interior solutions.



The shift was not merely a change in product type. It fundamentally altered:

the level of product complexity

the role and importance of CNC in production

the requirements for design accuracy and production data

The first serious test of this new direction was a highly complex retail space installation project in Akropolis, one of the largest shopping malls in Lithuania.

This project made one thing clear: reaching the next level was impossible with the technologies and processes Medis had been using until then.

Before Woodwork for Inventor

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Before implementing Woodwork for Inventor, the preparation of design and production information relied heavily on manual work and individual interpretation.



Designers worked from drawings and:

calculated parts manually

prepared layouts and cutting information by hand

manually marked edges, milling, and drilling

transferred information via paper documents and printed drawings

As a result:

errors could occur at virtually any stage

late-stage changes often meant **starting the entire process over again**

outcomes depended heavily on the human factor



The biggest bottleneck was a strong dependency on highly skilled craftsmen. As products became more complex, this dependency turned into a structural limitation that existing technologies could no longer overcome.

Choosing the Solution

The search for a solution was driven by a clear realization: complex, project-based manufacturing could no longer be managed with existing tools and workflows.

An important factor was that Medis already knew Woodwork for Inventor well and trusted the team behind it. This allowed the decision to be seen not as a short-term software purchase, but as a long-term strategic partnership.

Choosing Autodesk Inventor together with Woodwork for Inventor was a natural step:



Medis already had experience with Autodesk tools

the company needed a single, reliable source of production information

there was a clear goal to fully leverage CNC capabilities



Implementation: Strategic & Needs-Driven

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Medis clearly understood that a strategic technological decision requires strategic effort from the company itself. Implementation was therefore deliberate rather than rushed.

Woodwork for Inventor was introduced using a needs-driven, feature-by-feature approach, based on real operational priorities:

01. CNC usage for curved cutting

02. Automated part calculation

03. Drawing generation

04. BOM creation

05. Production & labeling information

Training accompanied the transition and continues to serve as a knowledge source today. This gradual approach allowed the team to adopt a new way of working step by step, while seeing immediate practical value at each stage.

Business & Day-to-Day Impact

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Woodwork for Inventor fundamentally changed how Medis operates.

Production throughput increased by at least 2x, without increasing the number of production staff

Production fully trusts the information coming from design

Errors and rework were significantly reduced

Paperwork and constant back-and-forth between the shop floor and designers were largely eliminated



Machine operators no longer search for information - it is delivered clearly and unambiguously

A crucial shift occurred in how performance is measured:

While design time itself did not decrease, the team is now able to handle significantly larger and more complex projects within the same timeframe.

In other words, throughput was redefined.

Previously, Medis throughput was measured by the number of simple products delivered. Today, the same throughput means delivering complex, unique interior solutions within the same timeframe.

When asked what would happen without this system, the answer was direct and unambiguous:

“Everything would collapse. Everything would be manual again.”

Teamwork & Process Maturity

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The system enables multiple people to work on the same project, share information easily, and transfer data clearly between stages. All information is automatically structured by order number and stored in predefined server locations.

This significantly improved communication between design and production and reduced friction across the entire workflow.



Future Direction

Woodwork for Inventor is a core element of Medis' long-term strategy. The primary goal is to produce more in less time, while continuing to increase product complexity and quality.

The next major automation focus area is nesting, further strengthening CNC-driven efficiency.

Customer Voice

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Everything in one system. Everything in one place.

We achieve much higher accuracy, significantly faster production, and optimized material costs.

Everything would collapse. I don't even want to think about it - everything would be manual again.

**Contact us for
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