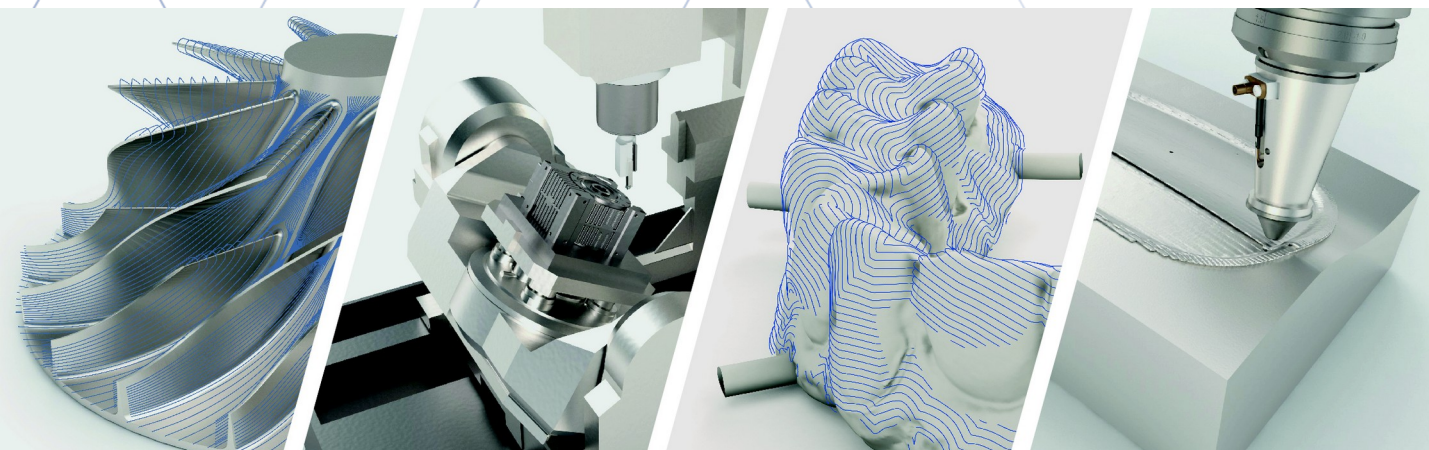


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ModuleWorks

Get There Faster.



ModuleWorks Value- Proposition for CAM & CNC Automation

Introduction

Soroosh Eghbali - Head of Business



Soroosh Eghbali

Head of Business
CAM Automation & Digital Dentistry
soroosh@moduleworks.com

Agenda

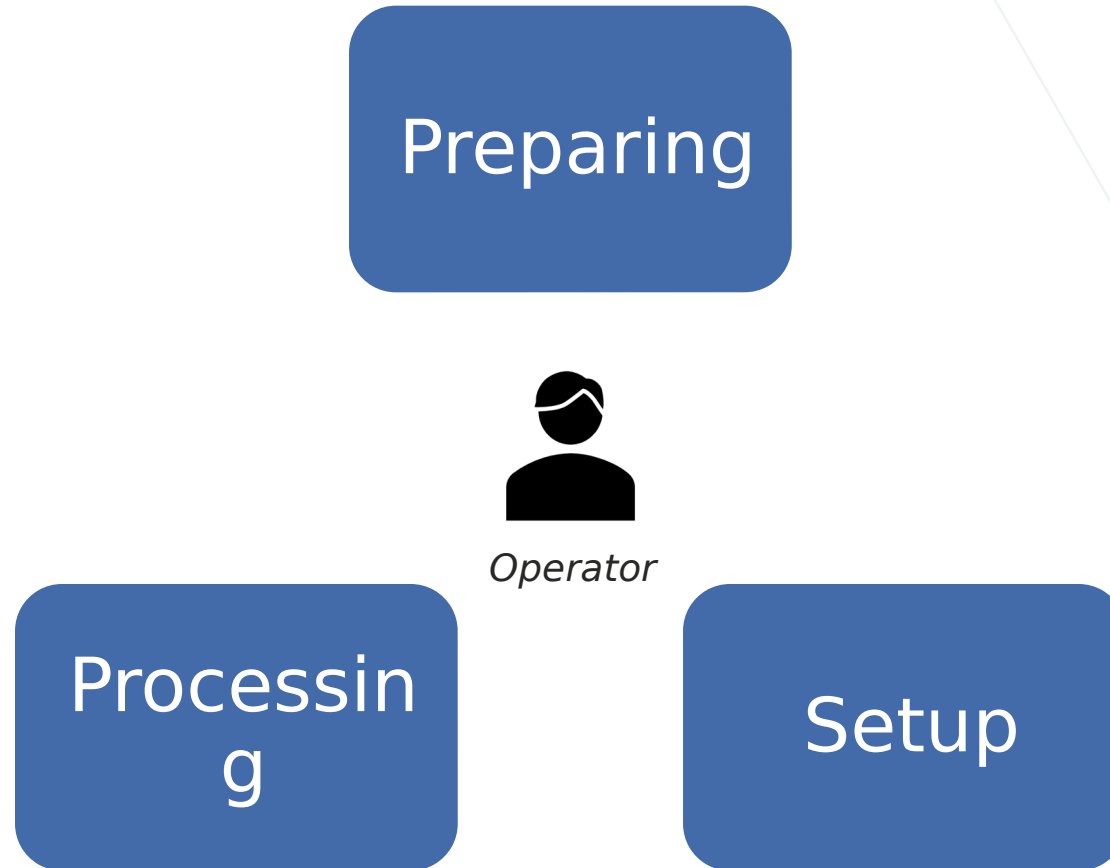
- Why Automation is more important today?
- What are ModuleWorks Automation offerings?
- Which follow-up and guest presentations do we have in this block?

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Triad of Machining

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Manual Mills



3-Axis



5-Axis



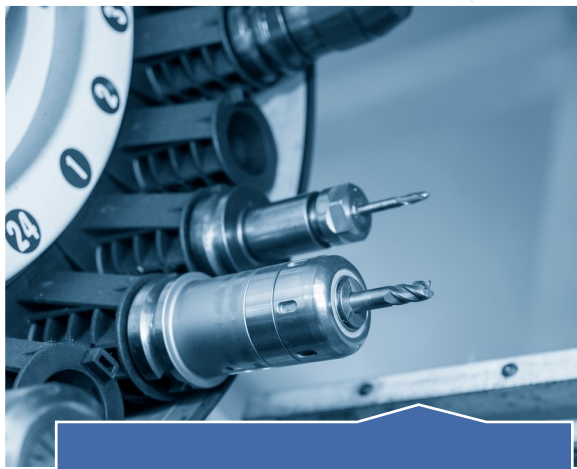
Multi-Tasking



Tool



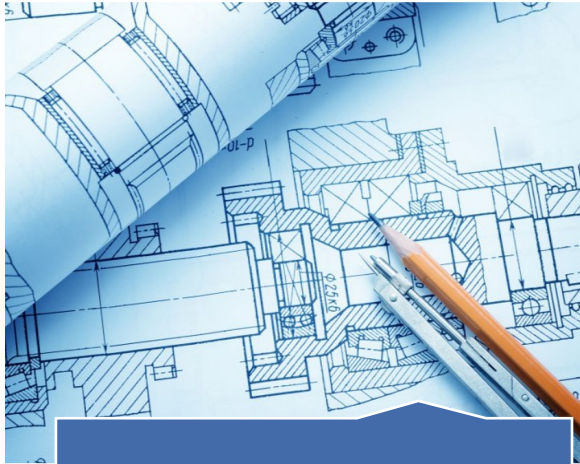
Clamps



Tool Magazine



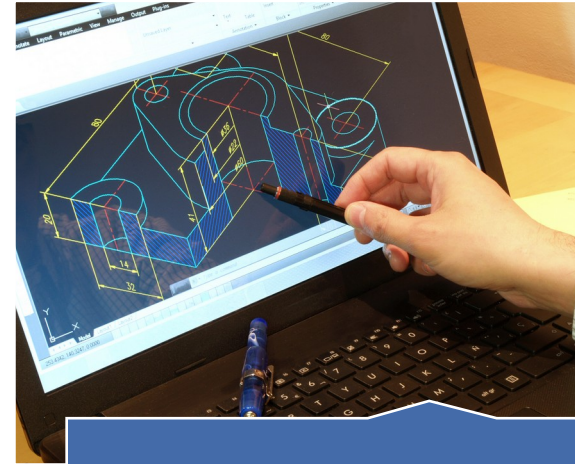
Automated
Setup



2D-Drawing



CNC



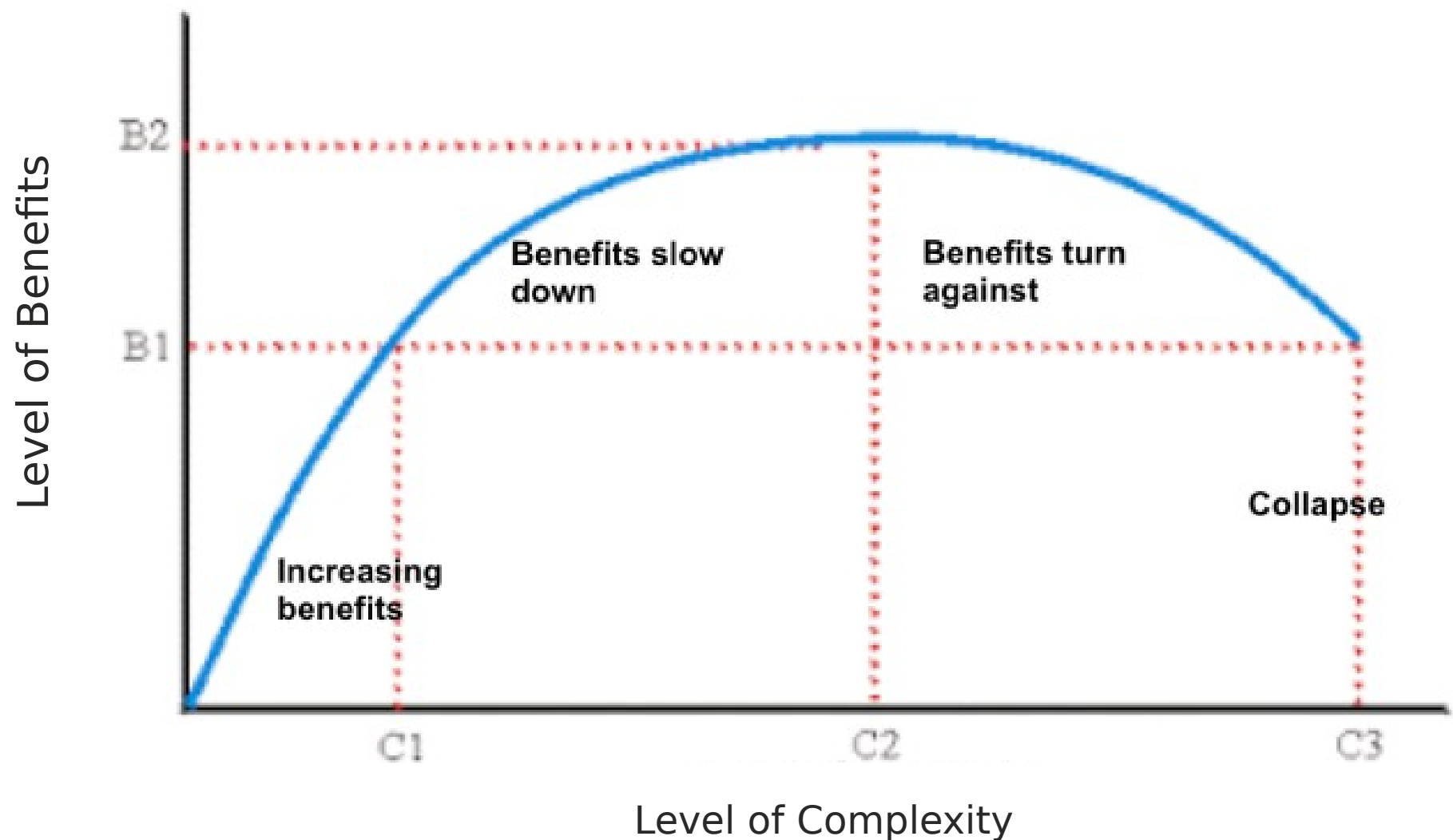
CAD/CAM



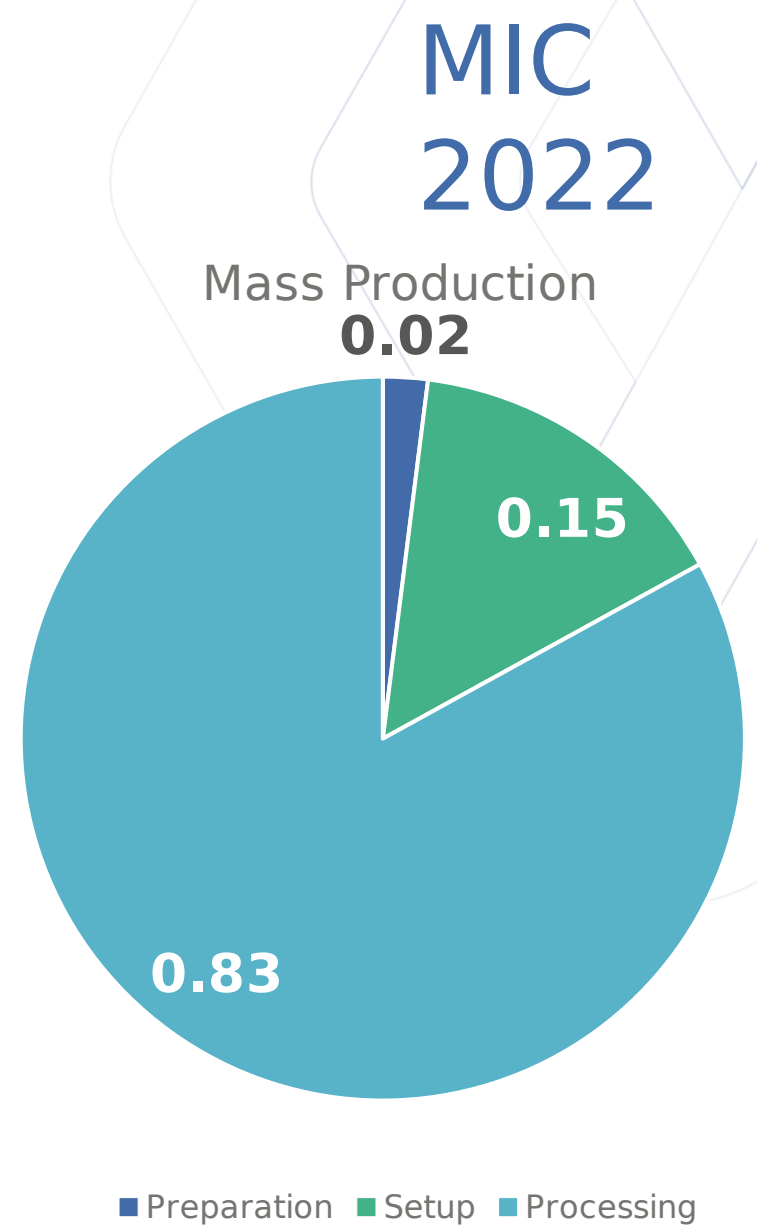
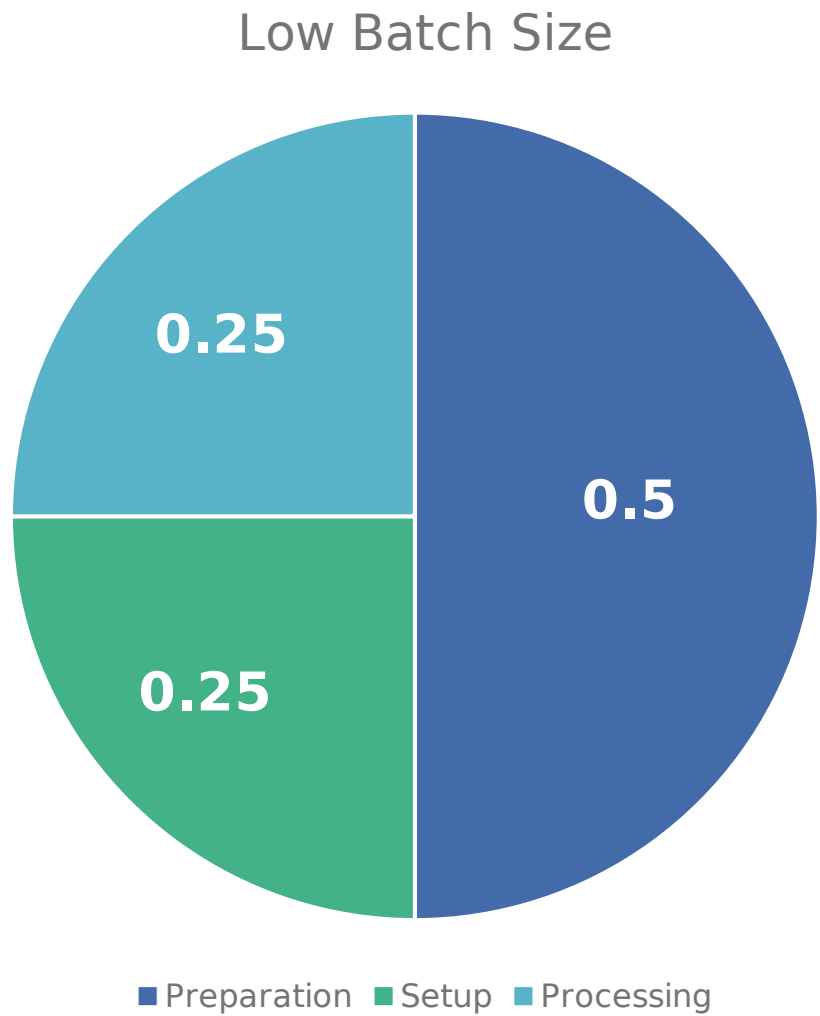
Multi-Axis
CAM

Complexity vs. Benefits

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? ? ? ?



Triad of Machining – Proportion



Buying Center Unit – Manufacturing Organization

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Business
Manager



Operation
Manager



CAM
Engineer



Machine
Operator



CAD/CAM Software Vendors



CNC Manufacturers & Machine Tool Builders



System Integrators



Software as a Service



AUTOMATION

ModuleWorks CAM & CNC Automation

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1. Toolpath Automation

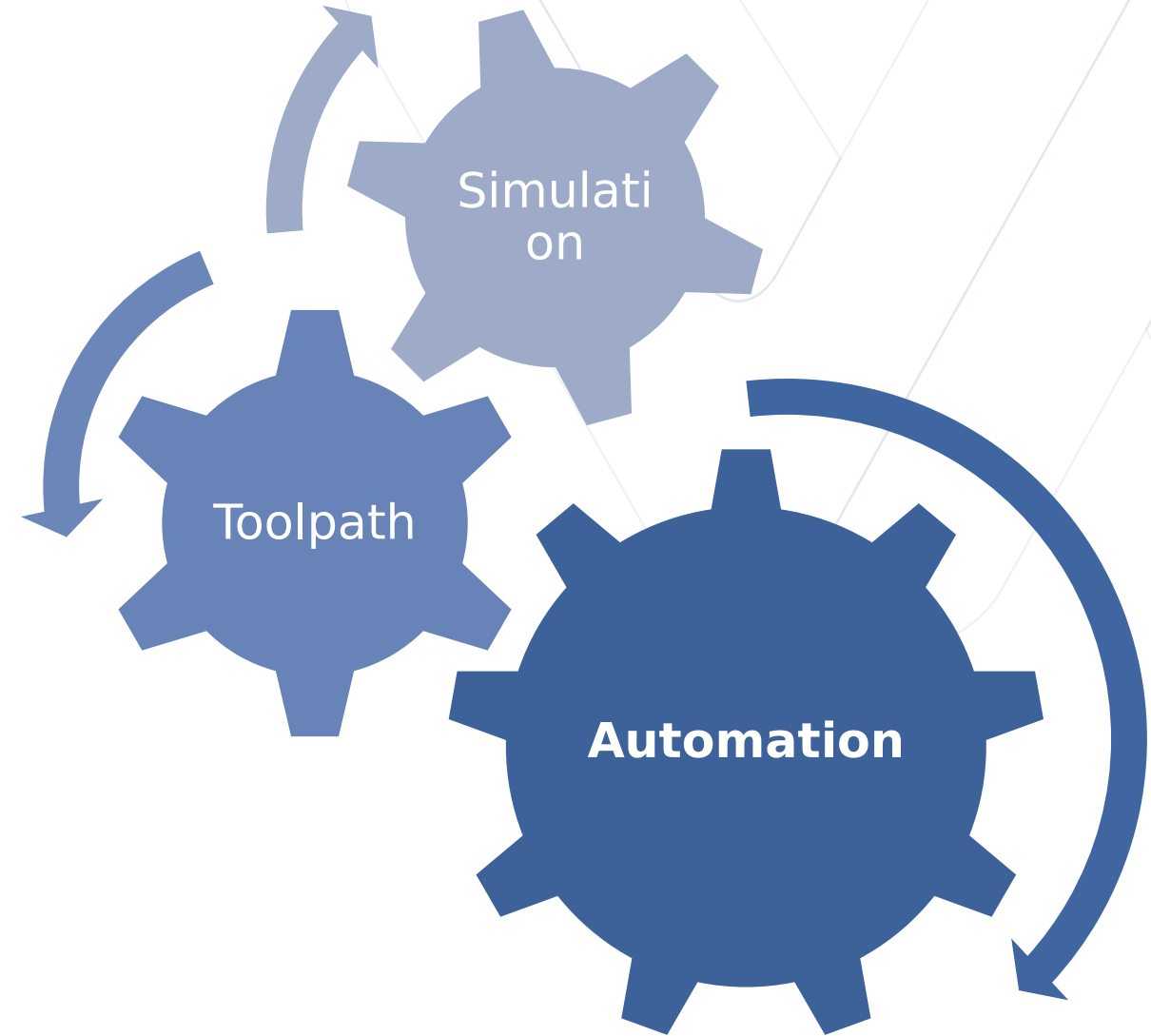
- Micro-automated Toolpath
- Application-specific Toolpath

2. Automated CAM Framework

- Templated CAM Frameworks
- Generative Feature-Based CAM Frameworks

3. On-Control (CNC) Programming

- Semi-automated On-Control Programming
- Full-automated On-Control Programming



**Guest Presentation:**

Automate Your Production with an Intelligent Manufacturing OS

Mark Forth
(Oqton)

Presentation:

Next Generation Shopfloor Programming

Sebastian Viebach,
Soroosh Eghbali
(ModuleWorks)

Coffee Break and Exhibition Area**Presentation:**

Automated Manufacturing in Digital Dentistry:
Managing Complexity in a Medical Environment

Falko Noack
(Amann Girrbach)

Presentation:

ModuleWorks and Spatial: Enabling the Future of
Automated Manufacturing

Michael Stafne
(Spatial Corp)

1. Oqton

- ✓ Templated CAM Frameworks
- ✓ Generative Feature-Based CAM Frameworks

2. Next Generation Shop Floor Programming

- ✓ Semi-automated On-control Programming

3. Amann Girrbach

- ✓ Micro-automated Toolpath
- ✓ Application-specific Toolpath
- ✓ Templated CAM Frameworks

4. Spatial

- Generative Feature-Based CAM Frameworks



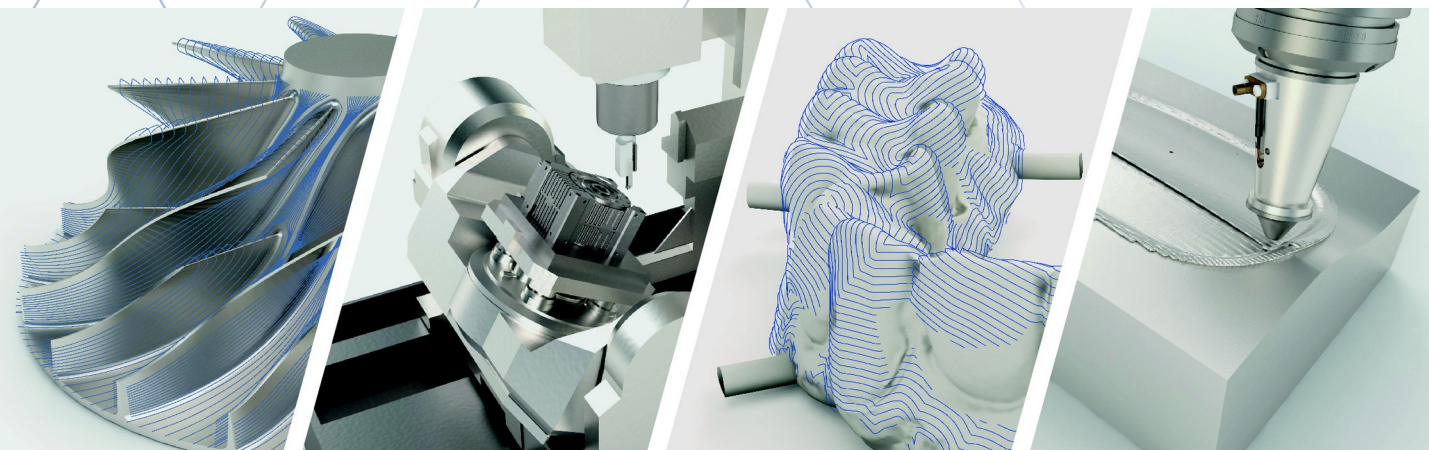
Thank you
for your attention

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Wrap-up

Soroosh Eghbali - Head of Business

**Guest Presentation:**

Automate Your Production with an Intelligent Manufacturing OS

Mark Forth
(Oqton)**Presentation:**

Next Generation Shopfloor Programming

Sebastian Viebach,
Soroosh Eghbali
(ModuleWorks)**Coffee Break and Exhibition Area****Presentation:**Automated Manufacturing in Digital Dentistry:
Managing Complexity in a Medical EnvironmentFalko Noack
(Amann Girrbach)**Presentation:**ModuleWorks and Spatial: Enabling the Future of
Automated ManufacturingMichael Stafne
(Spatial Corp)**1. Oqton (Software as Service)**

- ✓ Templated CAM Frameworks
- ✓ Generative Feature-Based CAM Frameworks

2. Next Generation Shop Floor Programming

- ✓ Semi-automated On-control Programming

3. Amann Girrbach (MTB & System Integrator)

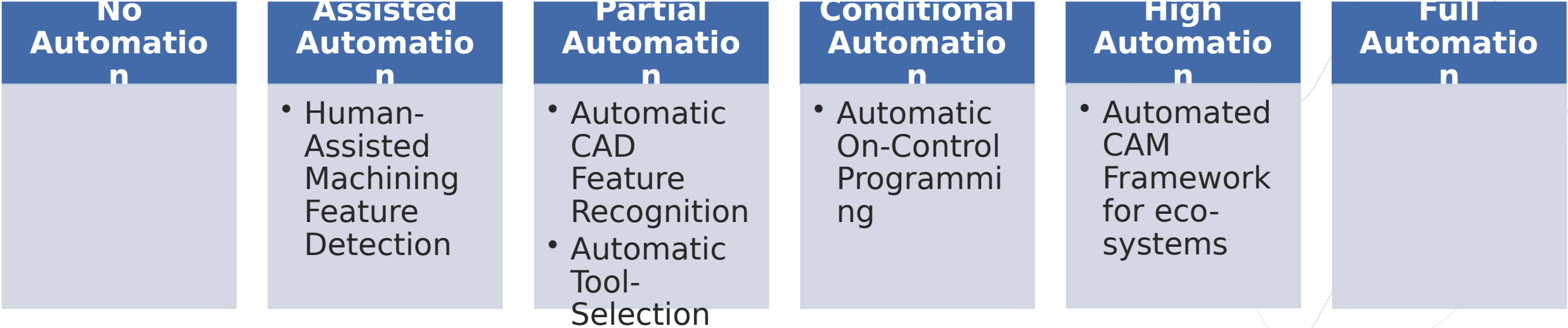
- ✓ Micro-automated Toolpath
- ✓ Application-specific Toolpath
- ✓ Templated CAM Frameworks

4. Spatial

- Generative Feature-Based CAM Frameworks

ModuleWorks CAM & CNC Automation

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ModuleWorks technologies help the solution providers to achieve higher level of automation in manufacturing workflows



Thank you
for your attention



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www.moduleworks.com
info@moduleworks.com

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