IMM 2024

Additive Manufacturing production error
detection with Artificial Intelligence
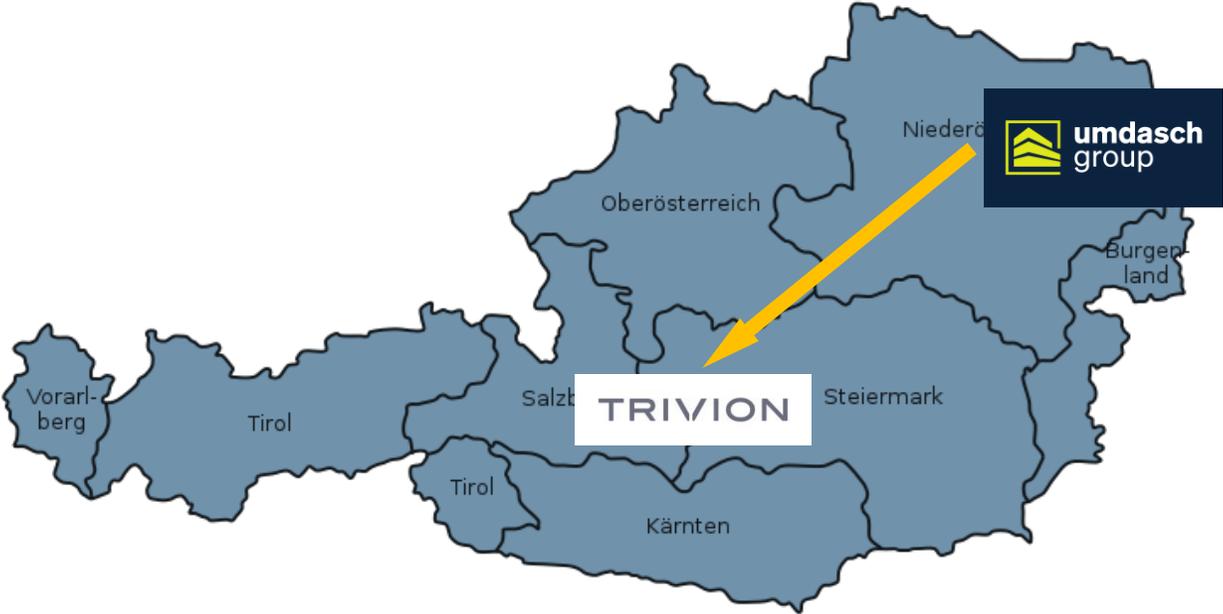
TRIVION
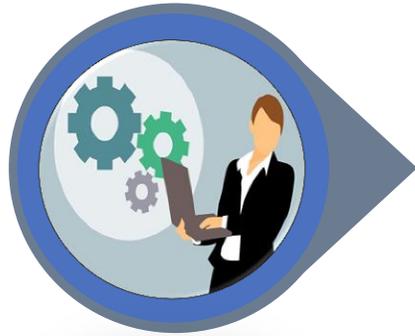
INDUSTRY MEETS MAKERS 2024

Additive Manufacturing production error detection with Artificial Intelligence

TRIVION

INDUSTRY MEETS MAKERS 2024

Additive Manufacturing production error detection with Artificial Intelligence
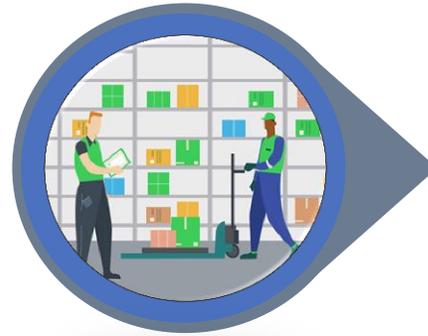

Entwicklung

AM Design
Simulation
Topologieoptimierung
Generative Design

Prototyping

Fertigung

Einmalige Kleinserien
Wiederkehrende
Fertigung

Stückzahlen von
5 – 5.000

Aftersales

Kleinstserien
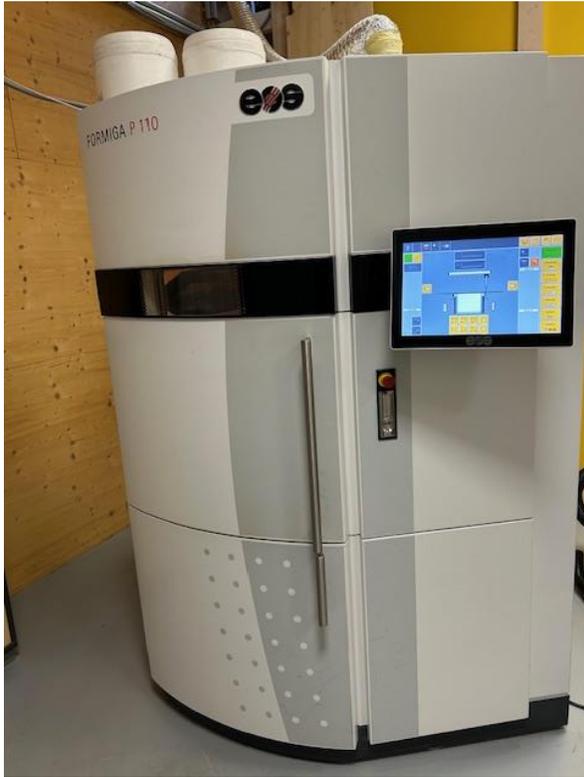Ersatzteilserien

Modellerstellung

EOP - EOL

Training

Technologie Deep-Dive
Make or Buy Beratung
Designrules

Mehrwerteanalyse

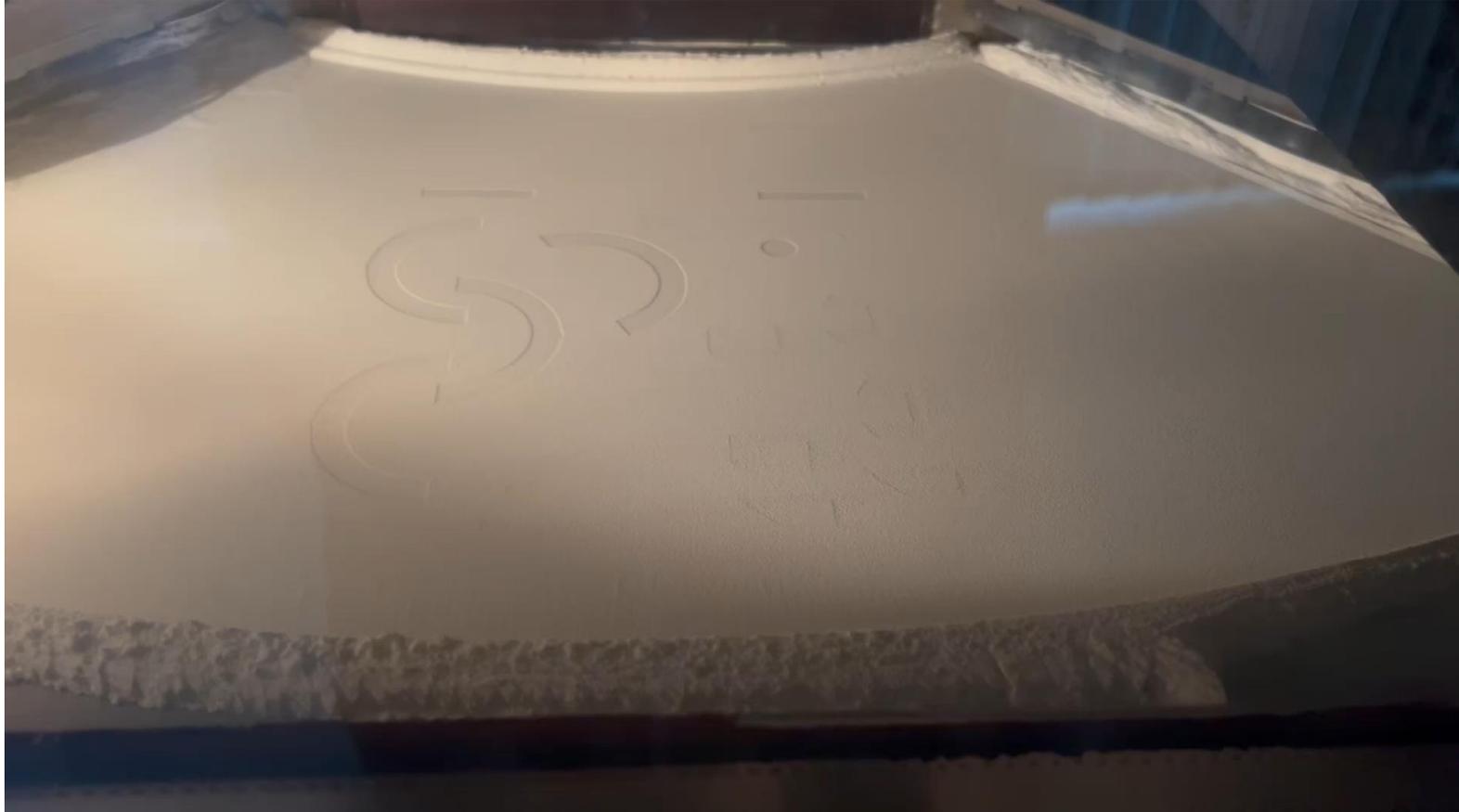TRIVION

INDUSTRY MEETS MAKERS 2024

Additive Manufacturing production error detection with Artificial Intelligence
Initial situation:

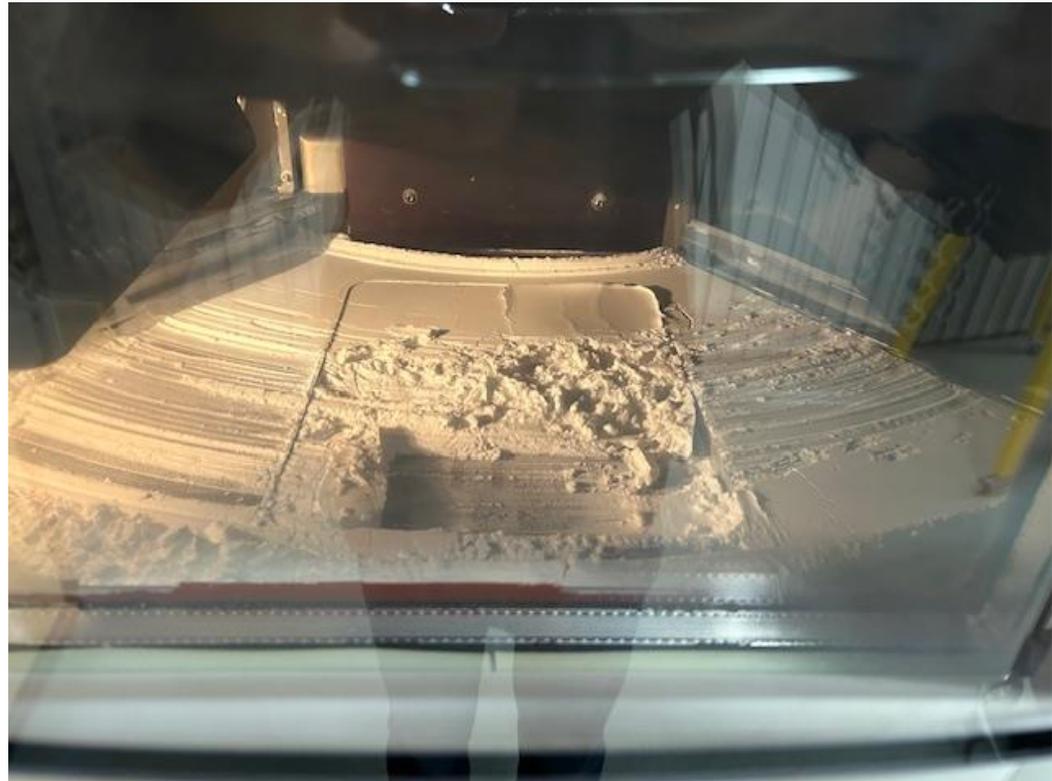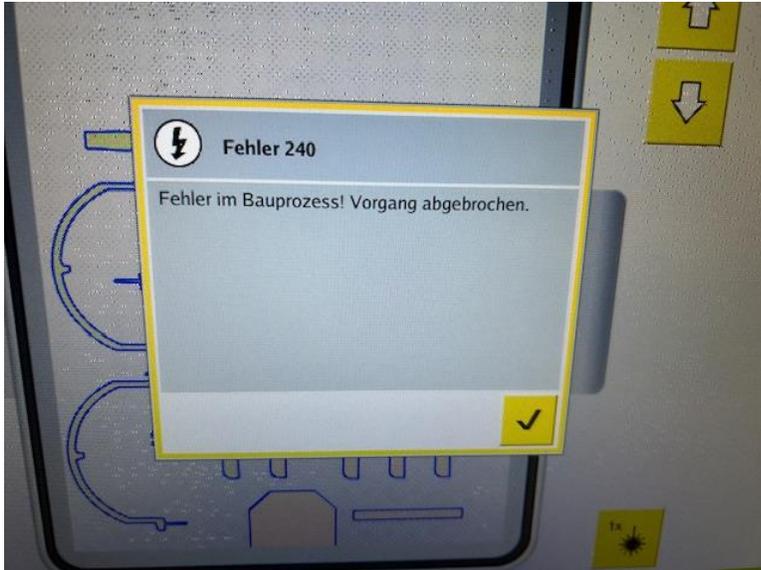TRIVION

INDUSTRY MEETS MAKERS 2024

Additive Manufacturing production error detection with Artificial Intelligence
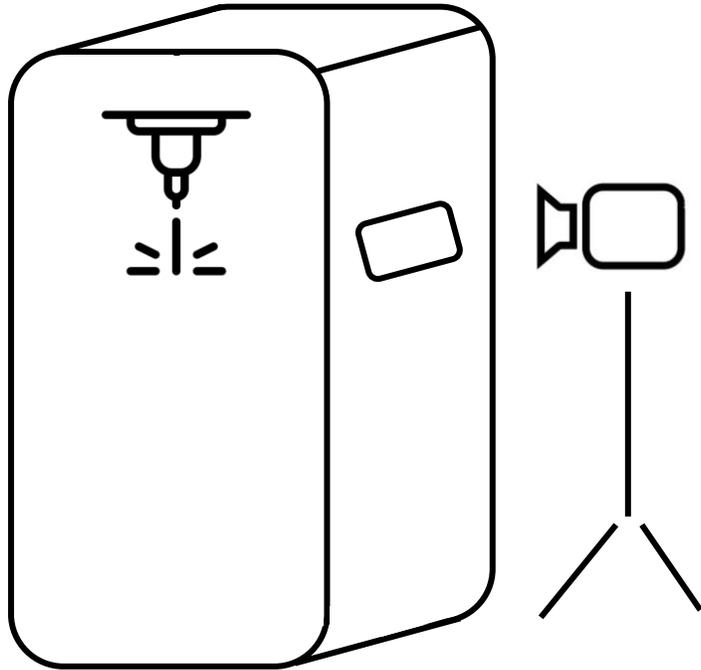Build process:

TRIVION

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Additive Manufacturing production error detection with Artificial Intelligence
Error situation:

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Additive Manufacturing production error detection with Artificial Intelligence
Solution approach Level 1:

- Handelsübliche webcam

- Einfache WLAN-Netzeinbindung

- Bild- (Video) Erkennung von Fehlersituationen

- Meldung an Bediener via Push oder Mail

TRIVION
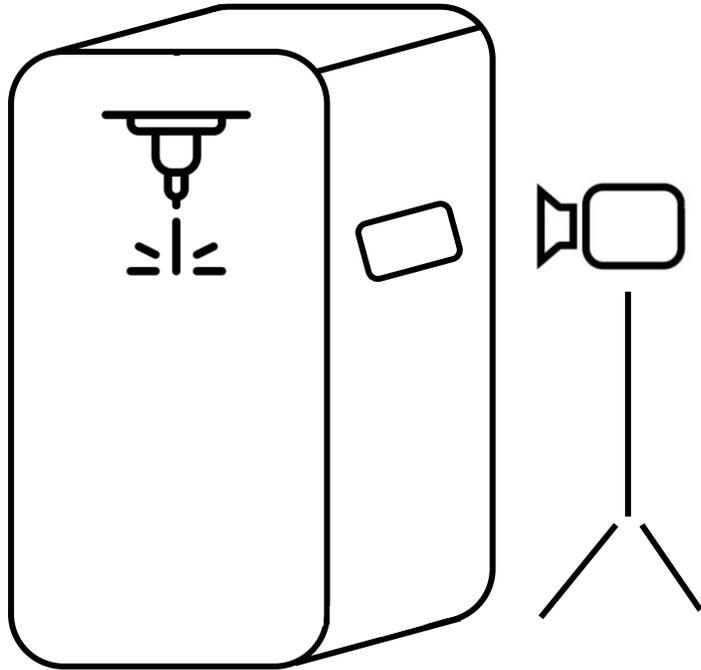
INDUSTRY MEETS MAKERS 2024

Additive Manufacturing production error detection with Artificial Intelligence
Solution approach Level 2:

- Handelsübliche webcam

- Einfache WLAN-Netzeinbindung

- Erkennung von bevorstehenden Fehlern

- Fehlerursachenauswertung

- Bild- (Video) Erkennung von Fehlersituationen

- Meldung an Bediener via Push oder Mail

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VIELEN DANK!

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