

Schubert leverages Siemens seamless solutions to enable new business models

Formnext 2023

How to evolve today's format and spare parts business from conventional to on-demand production?

Past

CONVENTIONAL PRODUCTION

All format & spare parts were stored & produced at Schubert headquarter and shipped to customers worldwide.

- Long lead & waiting time for customers
- High storage costs for producer



Today

PARTBOX – Additive Manufacturing

Parts are produced on-demand on customer's site – when needed and where needed.

- Lowest lead times for customers
- No storage cost
- Enhanced sustainability



Schubert

Company introduction

„Schubert as a global leader for packaging machines uses the Partbox to revolutionize the supply chain of spare & format parts with 3D printing”



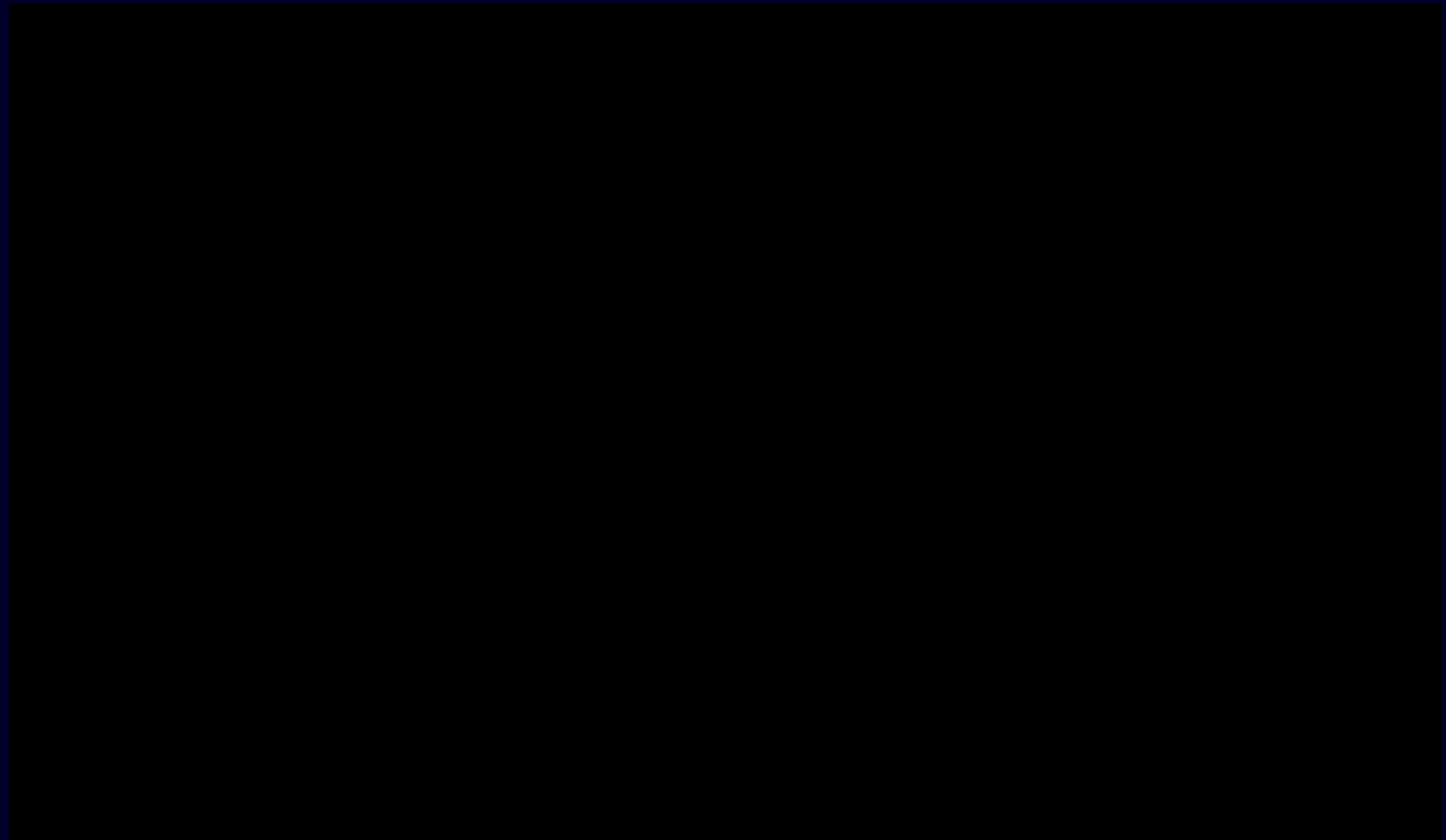
TLM packaging machines
(TLM – Top Loading Machine)



by



360° platform for distributed
manufacturing

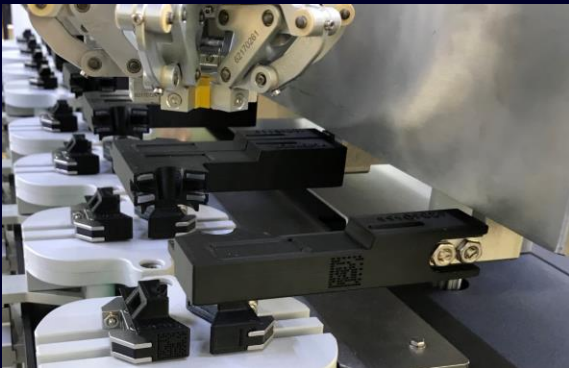


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Challenge

The cosmetics industry

- needs very flexible packaging machines
- requires new formats have to be available very quickly



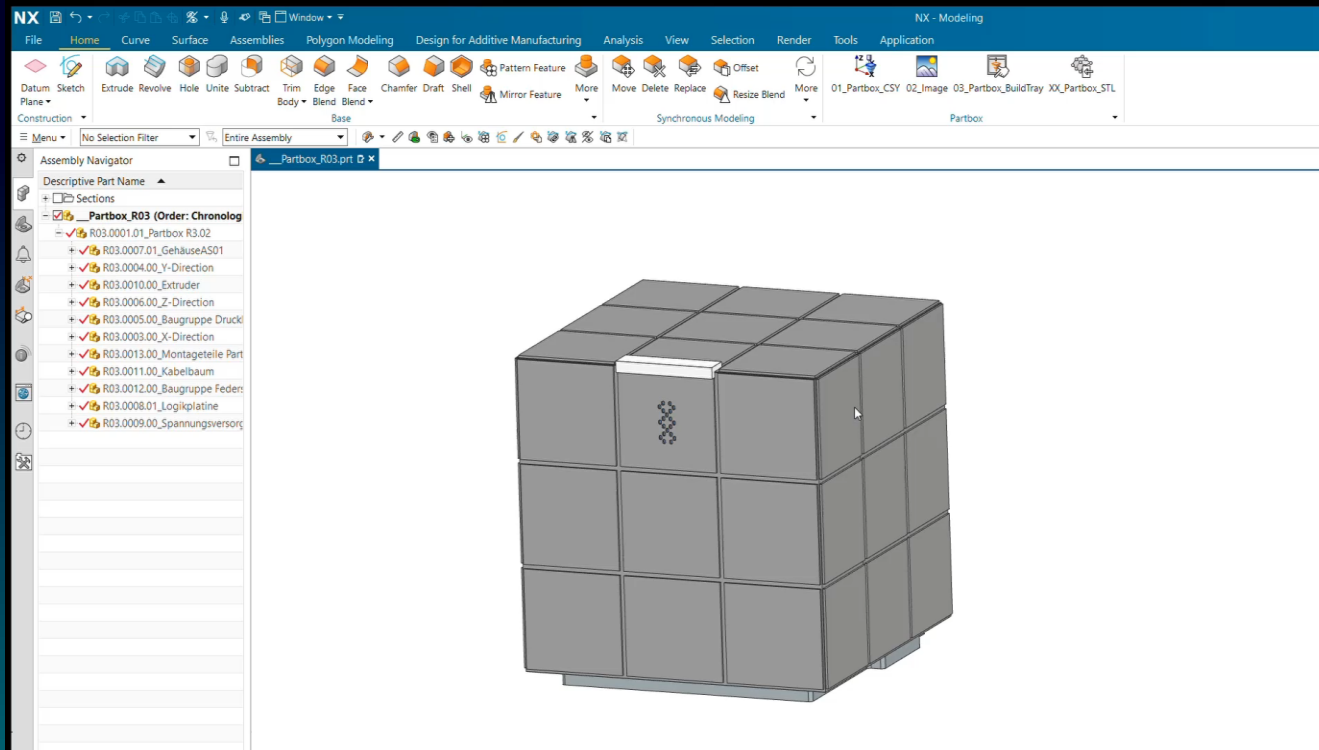
Solution

Schubert provides digital inventory services via the Partbox leveraging Siemens solutions in order to

- receive CAD data from customers
- design the format parts and create the build job
- send the order to the customer via a digital platform

Benefits

- **Lead time**
10 days → 1 day
- **Process cost**
up to 100€ savings per order
- **Sustainability**
up to 87% CO2 eq saving



Printer Design

Challenge

- How to design a 3D-printer in short time based on frequent design iterations?

Solution

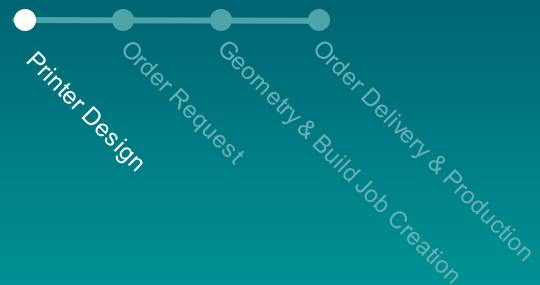
- Digital CAD modelling

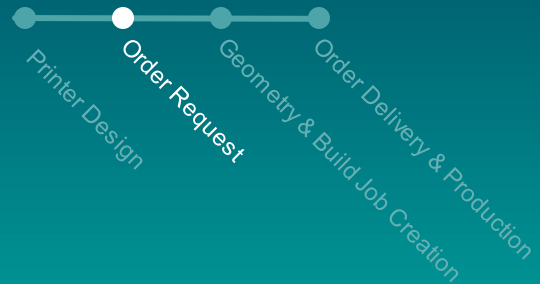
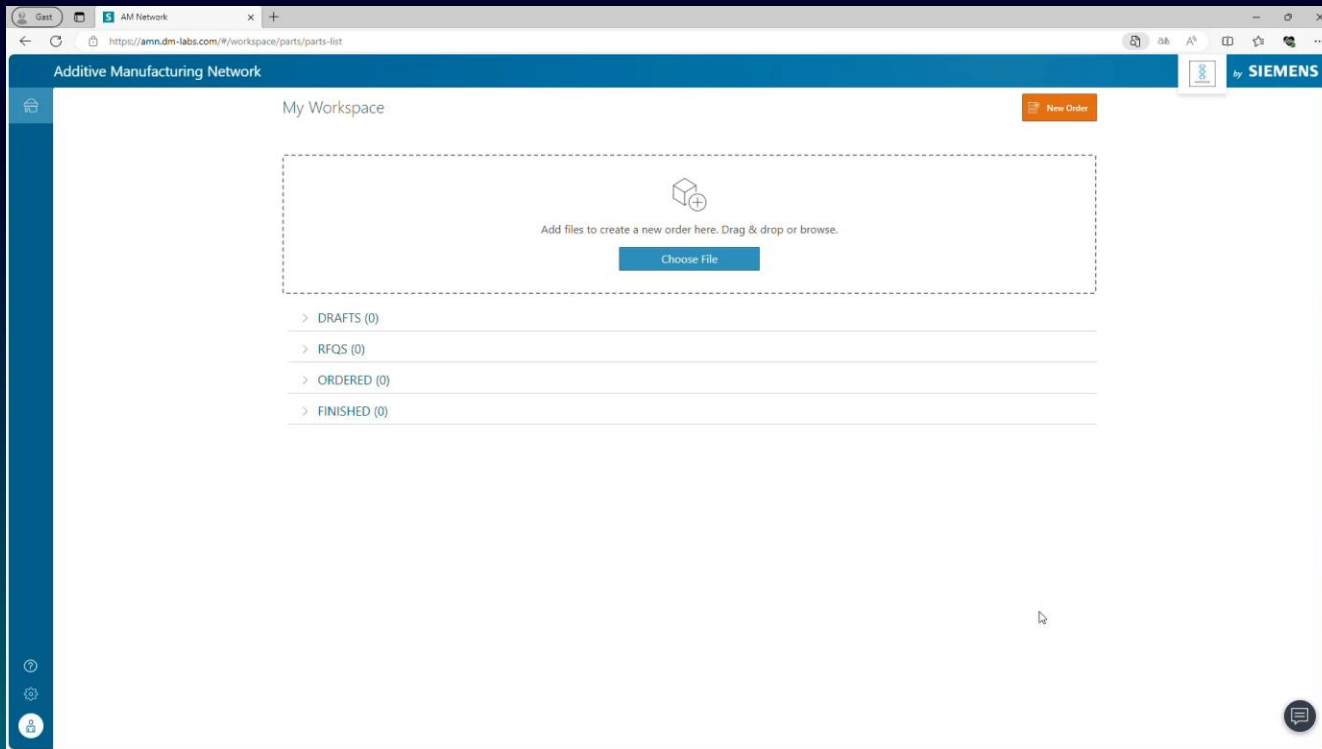
Value

- Up to 50% reduction in development time
- Up to 60% improvement in productivity

Products and services

- NX Modeling





Order Request

Challenge

- How to quickly order a new format part and provide respective design specifications?

Solution

- Provide one system to organize technical and commercial information and documentation for part buyer & supplier

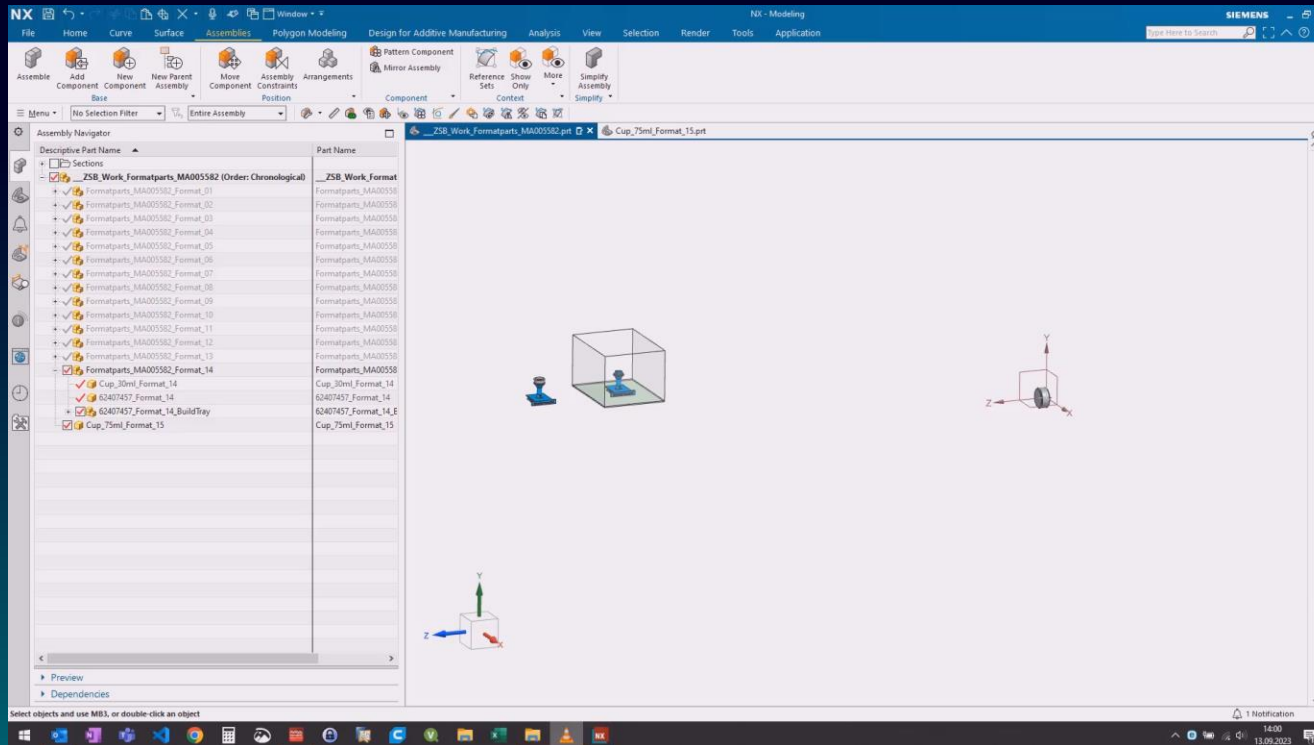
Value

- Shorten your order-to-manufacture time by up to 40%

Products and services

- AM Network

Geometry & Build Job Creation



Challenge

- How to get from a commercial order into a printable build job?

Solution

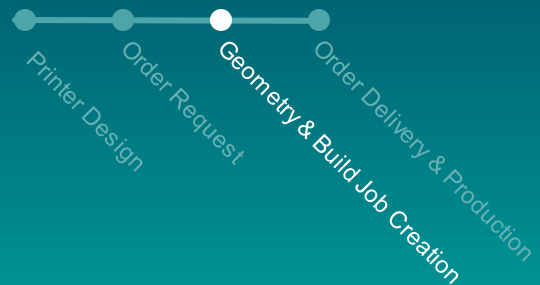
- Integrated software workflow to
- design new format part in NX & create build job via Cura Integration (by Schubert)
- seamlessly upload to Partbox with NX Open & Partbox API

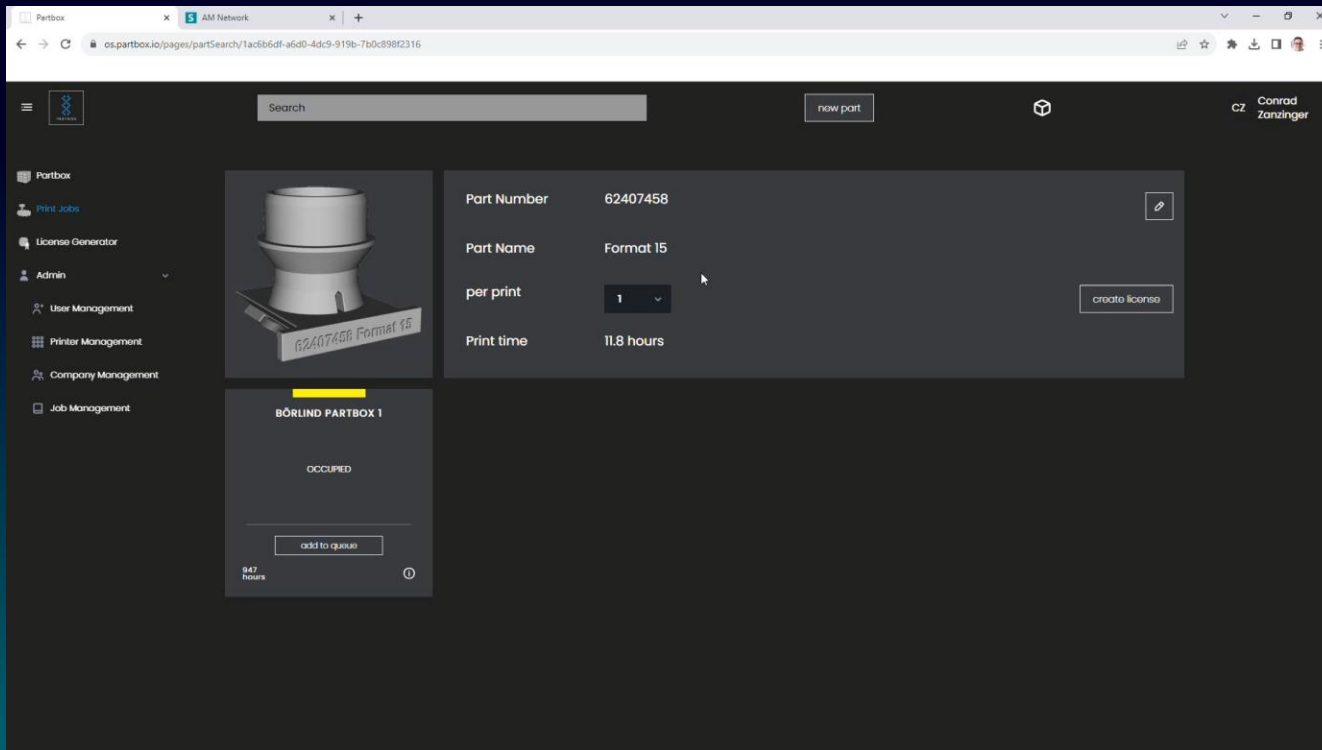
Value

- One integrated solution from order to design to build job creation
- Native CAD files → faster design iterations
- No STL export required → reduced error rate

Products and services

- Siemens NX Additive Manufacturing & NX Open
- Partbox OS API





Order Delivery & Production

Challenge

- How to inform customers about production progress & easily deliver production order?

Solution

- Leverage integrated communication features for updates & to deliver link to Partbox OS
- Part is produced locally on Partbox

Value

- Shorten your order-to-manufacture time by up to 40%
- Reduced lead time, production cost and improved sustainability

Products and services

- AM Network
- Partbox & Partbox OS

