

SPOTIFY® FOR MANUFACTURED PARTS

SERIAL PRODUCTION IN LOTSIZE 1

INDUSTRIEFORUM: FUTURE DIGITAL SUPPLY CHAIN
FEBRUARY 8TH 2023

Marcus Schindler

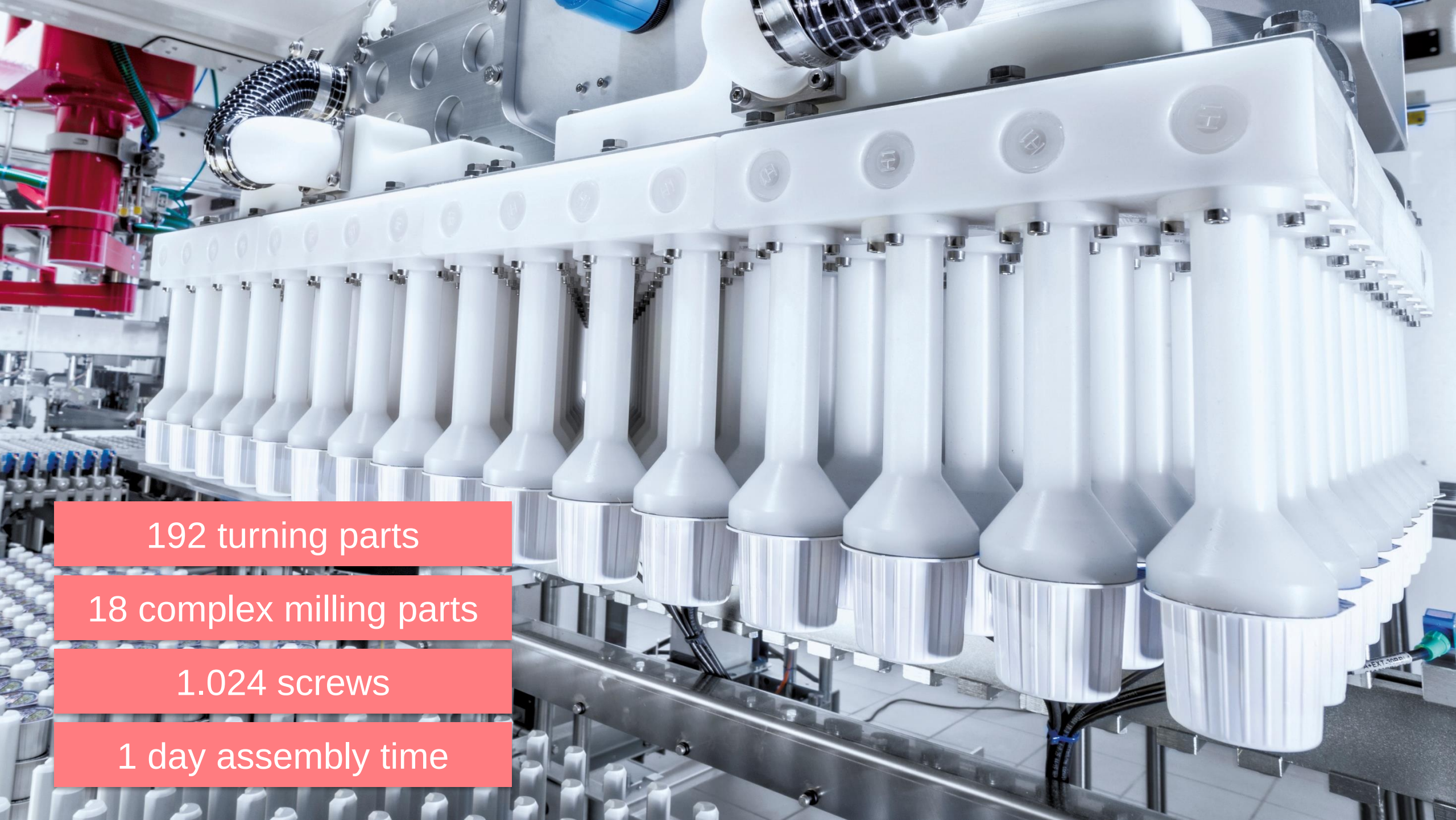
Director Engineering
Gerhard Schubert GmbH

CEO
Schubert Additive Solutions GmbH

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192 turning parts

18 complex milling parts

1.024 screws

1 day assembly time



0 turning parts

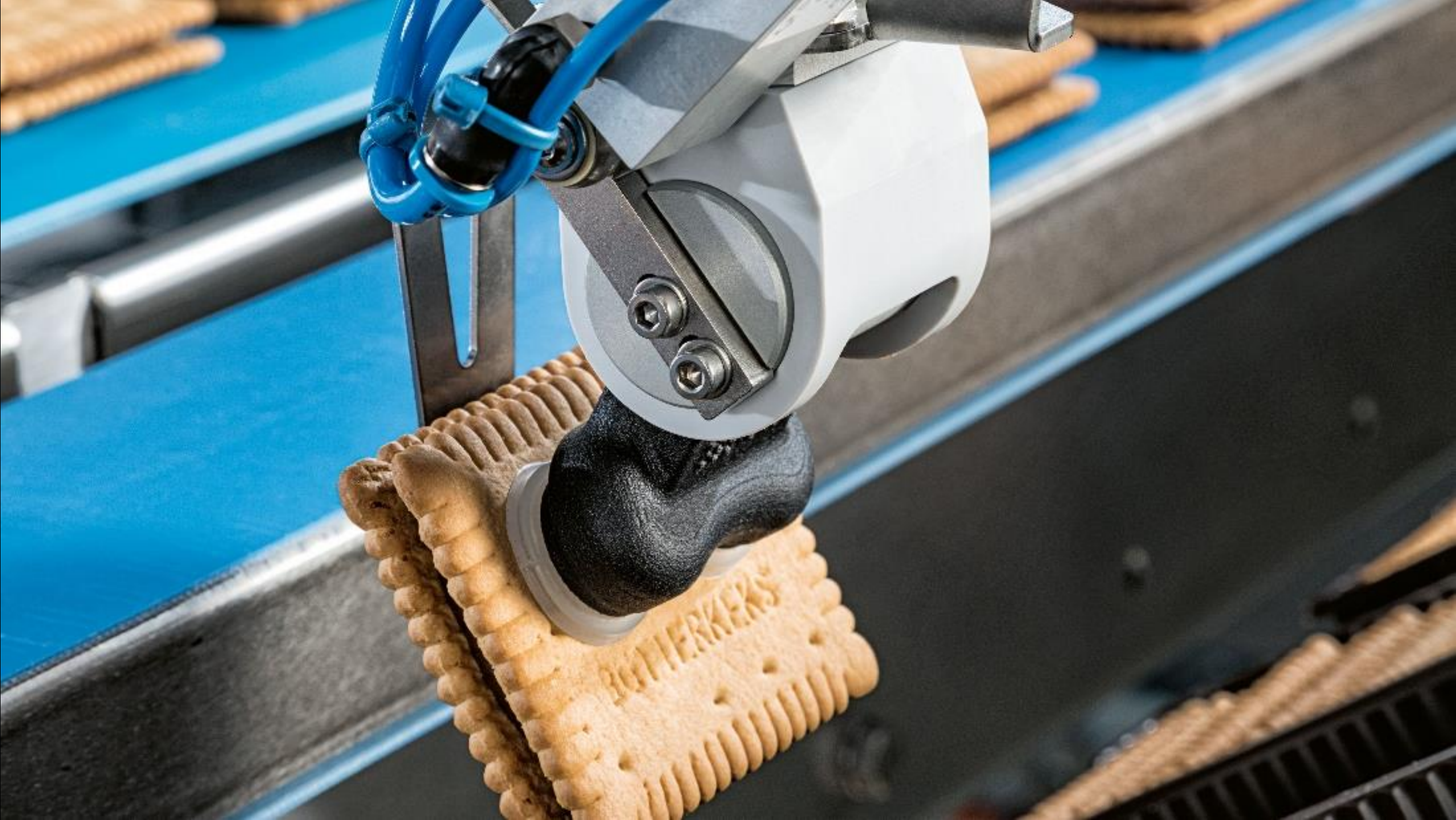
0 complex milling parts

8 screws

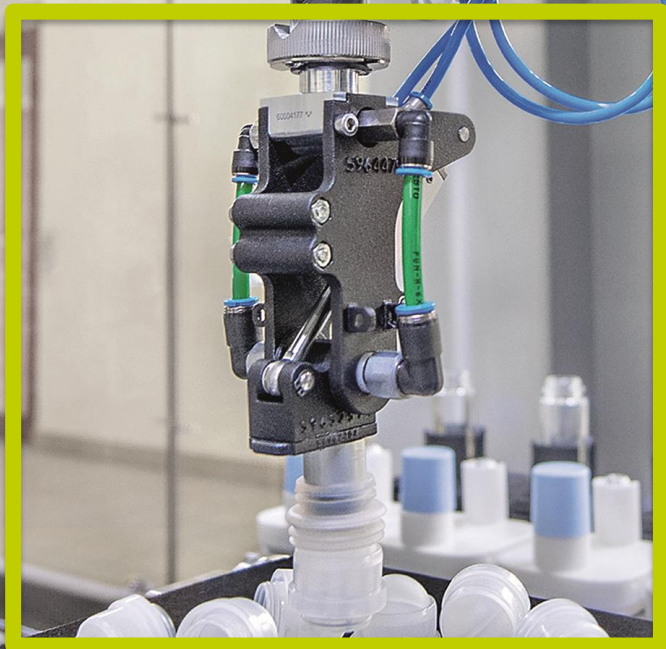
10 Minutes assembly time

3

high complex printing parts
- that doesn't matter -



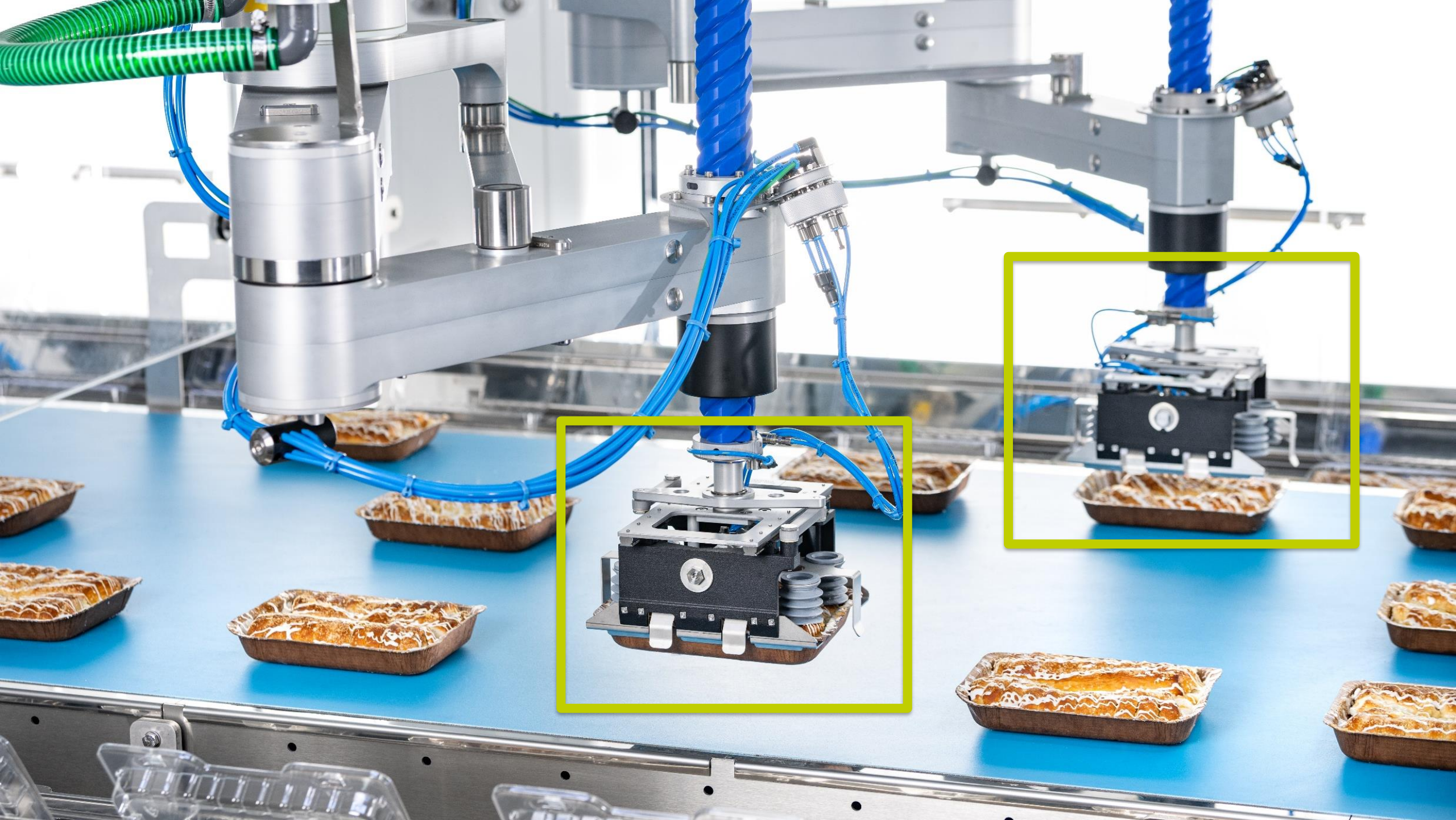






61601098

CYLINDER
CYLINDER K





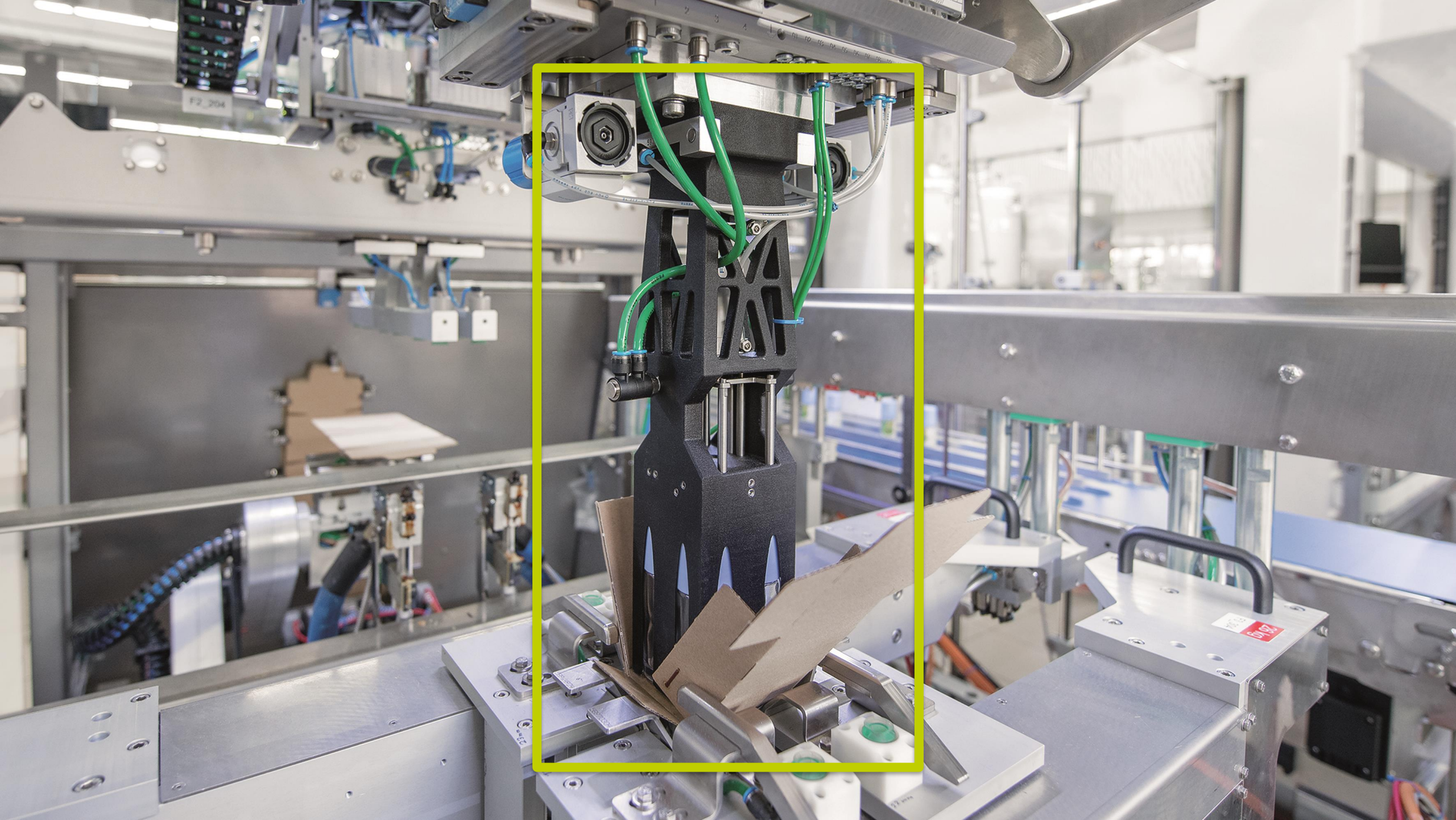


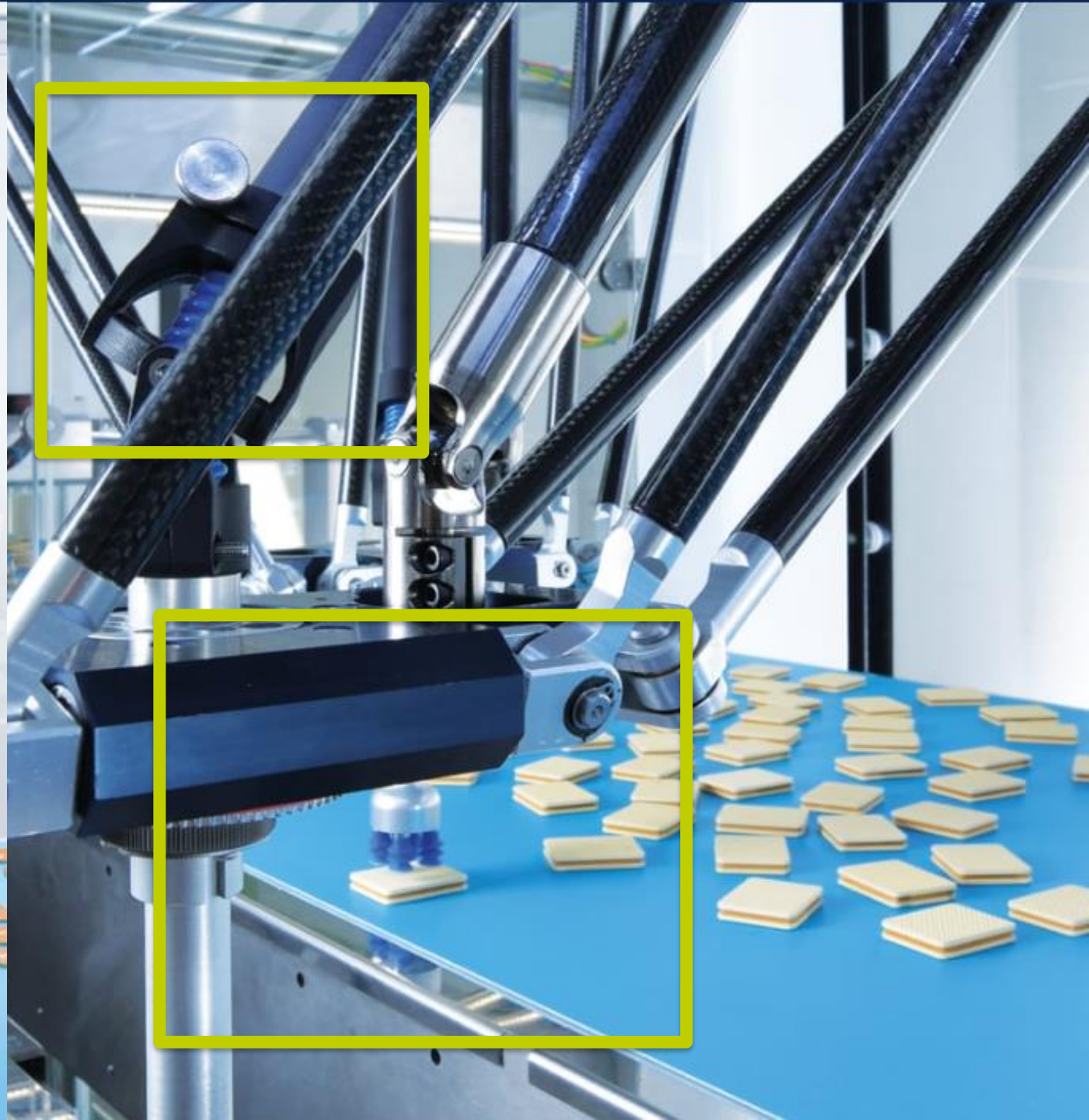
FESTO

DHWS-10-A
1310177 L3
Pmax 8bar

1186062



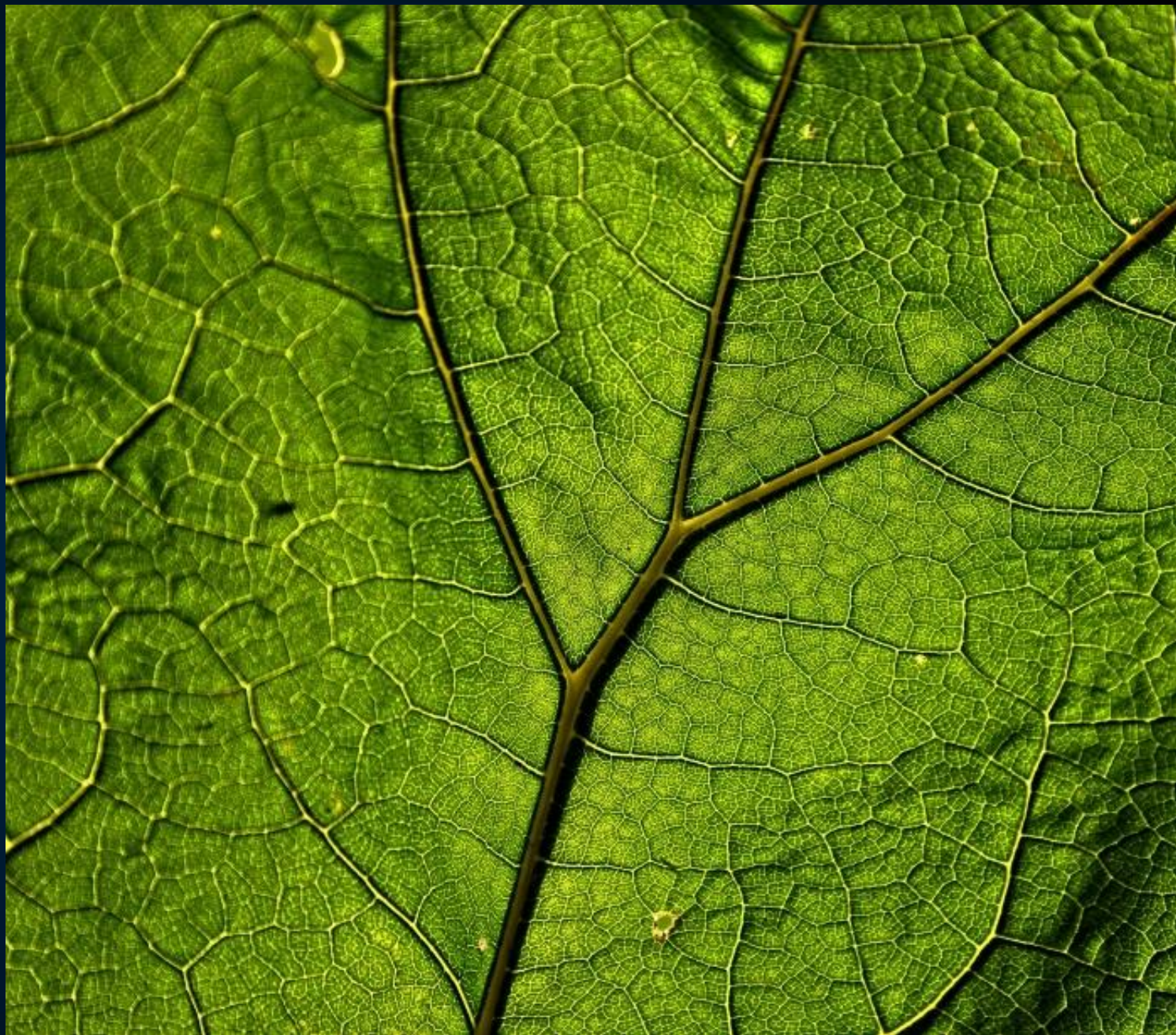






Out of conviction!

- Over 80.000 parts per year
- Over 12.000 AM part numbers
- Over 5 % of all Schubert parts
- Over 25 % of all plastic parts



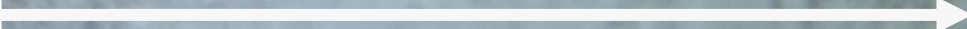








long lead times and waiting
times, high stock



lowest lead times and no waiting
times, no stock





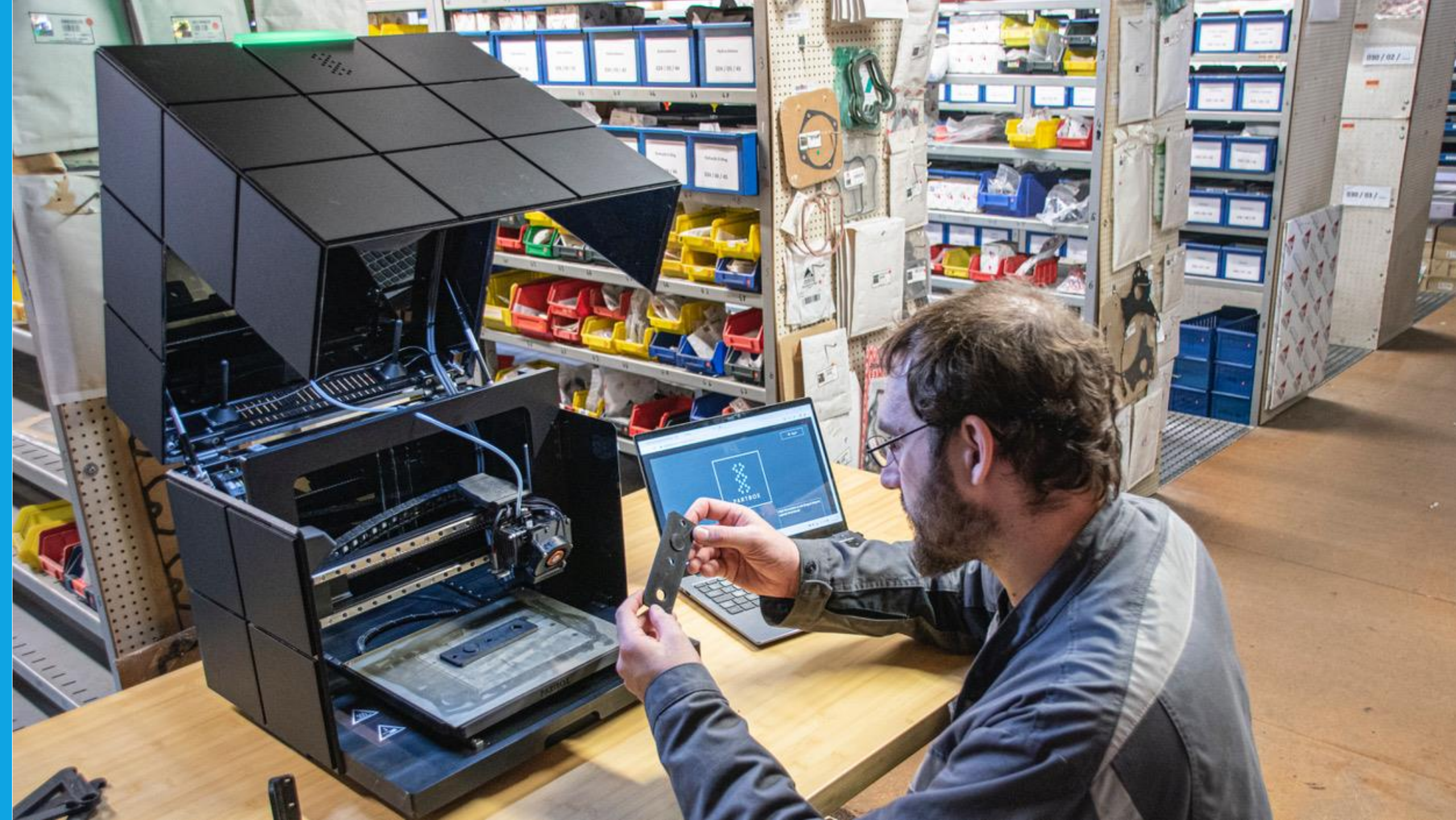
to create by cutting
carved into the stones that sealed the tombs.
a place a dead body is kept
In long rows they sat, blind eyes staring out
lasting forever
into eternal darkness, while great stone dire
to move in circles or circles
wolves curled round their feet. The shifting
shadows made the stone figures seem to stir
as the living passed by.
By ancient custom an iron longsword had
were between the hill and the house
been laid across the lap of each who had been
Lord of Winterfell, to keep the vengeful spirits
a name beneath a church
in their crypts. The oldest had long ago rusted
a desire to fight in return
away to nothing, leaving only a few red stains
to become raised
where the metal had rested on stone. Ned

2% Beyond the simple story: 16 x 20 min
Самостоятельное чтение





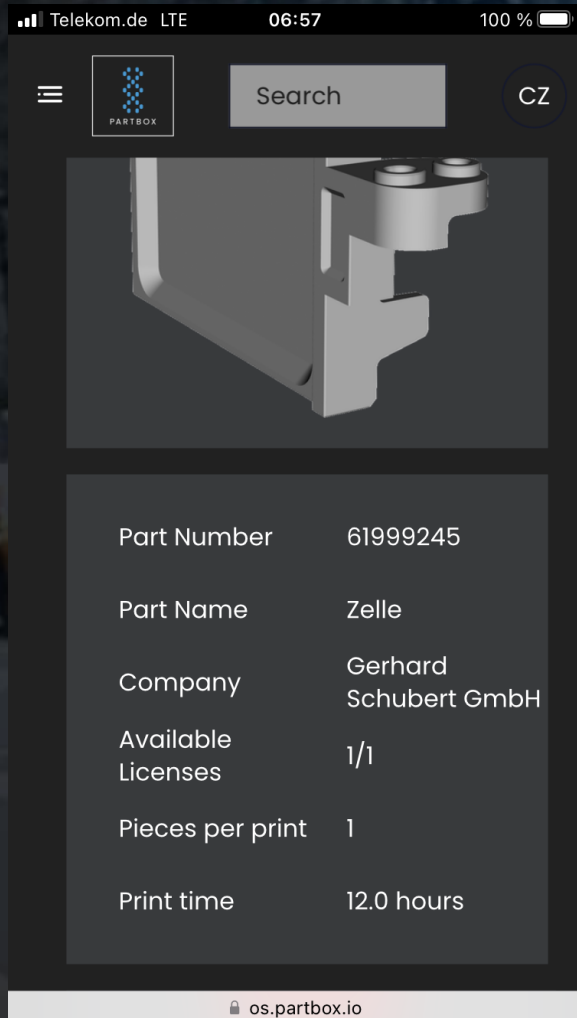






ON DEMAND PRODUCTION

Produce When Needed – Where Needed



Additive Manufacturing
2 days incl. redesign

||

Conventional Production
3 weeks incl. shipping



No Shipping



No Storage



No Ordering



High Availability



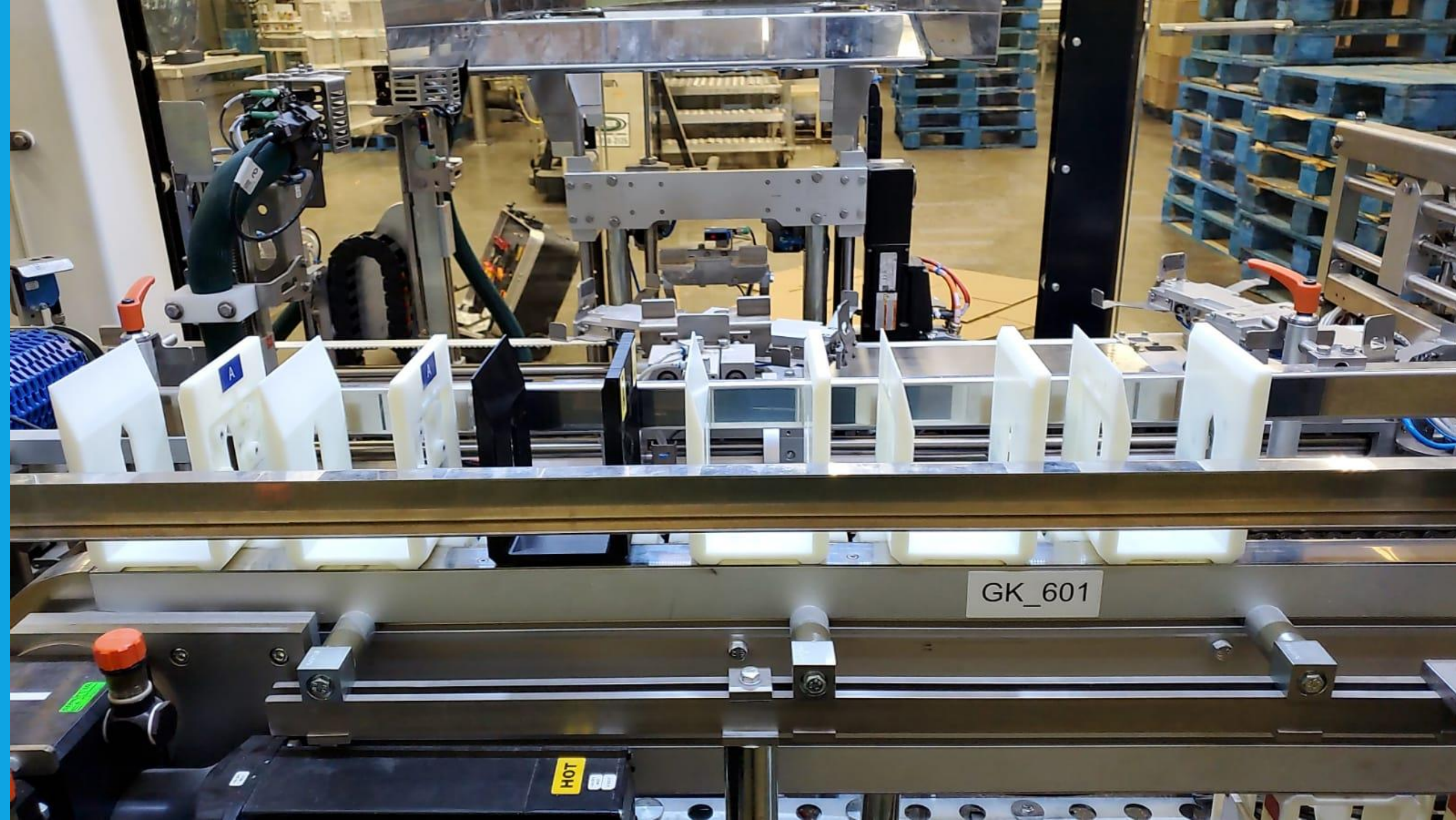
Save Time



Save Money



Save Planet



GK_601

HOT

Supplier Network
On Demand



Distributed Manufacturing



On Site
On Demand



Metal and
plastic Parts



Various AM
processes



Post processed
parts



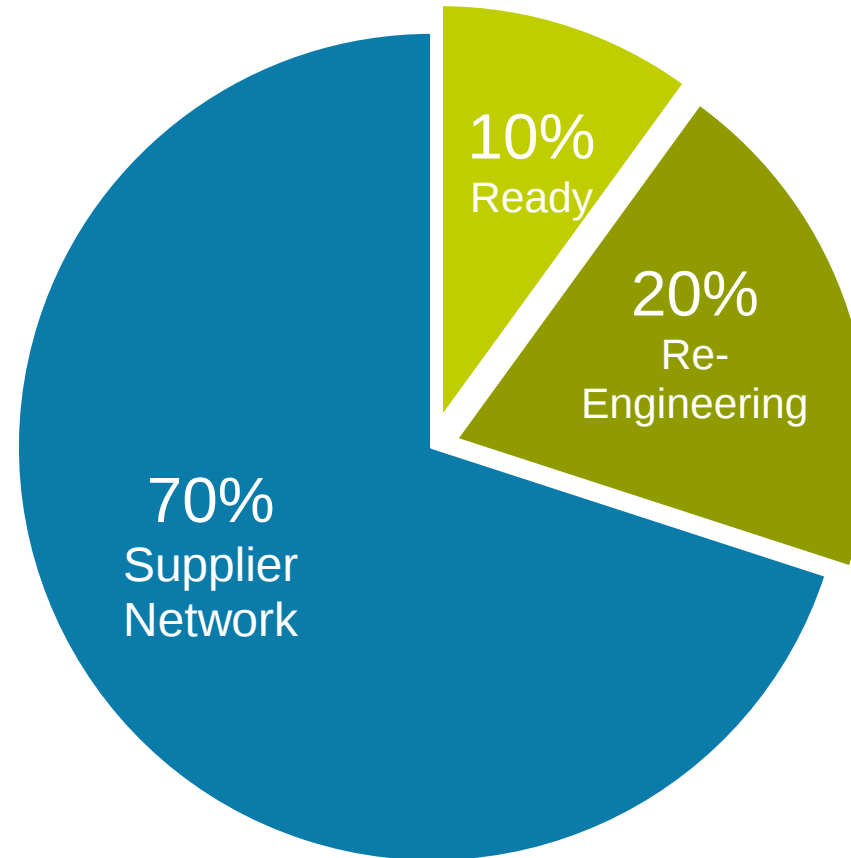
Complex spare and
wear parts



larger quantities



End-of-life parts



Jigs & tools
operating resources



Lean Manufacturing



Automation parts



Simple spare and
wear parts



First aid kits



Configurations &
Prototyps (lot size 1)



THANK YOU FOR YOUR ATTENTION!



Marcus Schindler
stay hungry. stay foolish.



The future of the manufacturing of industrial parts is digital.

