



3D-Printing

Supplementary, Expanding, Disruptive!

Presentation CECIMO



Current issues we know from our customers

- Supply chains (Covid, War...)
- Cost savings to stay competitive
- Innovation to stay competitive
- Time to market for new products
- Ecological footprint (Circular Economy)



Corporate



Daimler (EvoBus)

Automotive

Use:

- Reduction of huge internal stock costs
- Design for additive saves money (material)!
- Time to customer – local production (no shipping)

“With 3D printing, the Daimler bus division can react to urgent customer needs quickly, flexibly, economically and in an environmentally friendly manner.”

The advantages of additive technologies, especially with regard to spare parts, are obvious.”

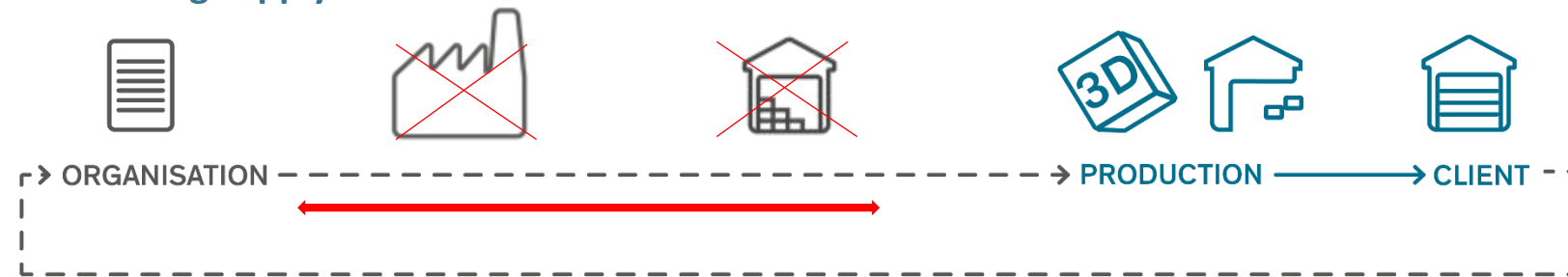


Production on demand / flexible supply chains

Current supply chains



3D-Printing supply chains



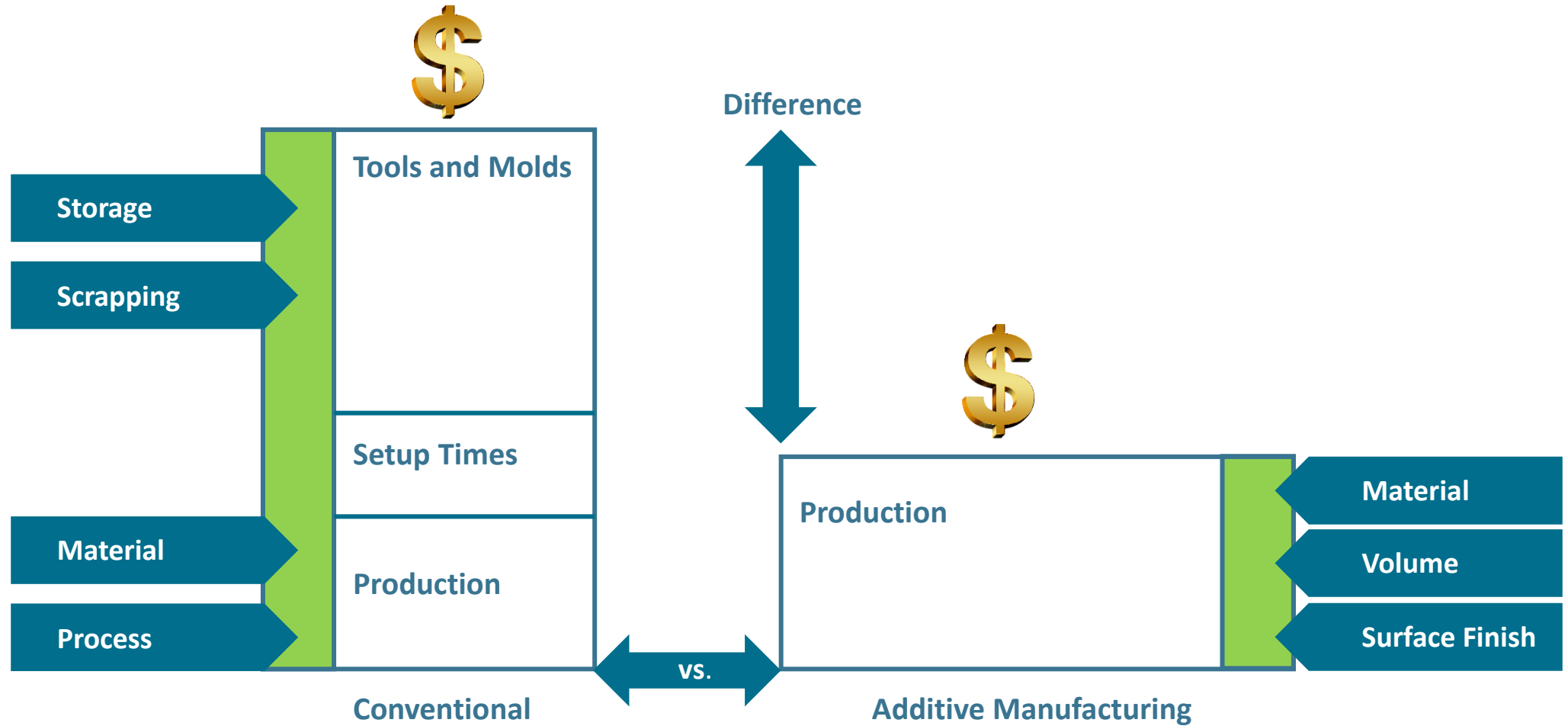
- - -> INFORMATION

————> PHYSICAL TRANSPORT



THE MANUFACTURING WORLD IS CHANGING

Comparison





Selective Laser Sintering (SLS)



SLS

Selective Laser Sintering

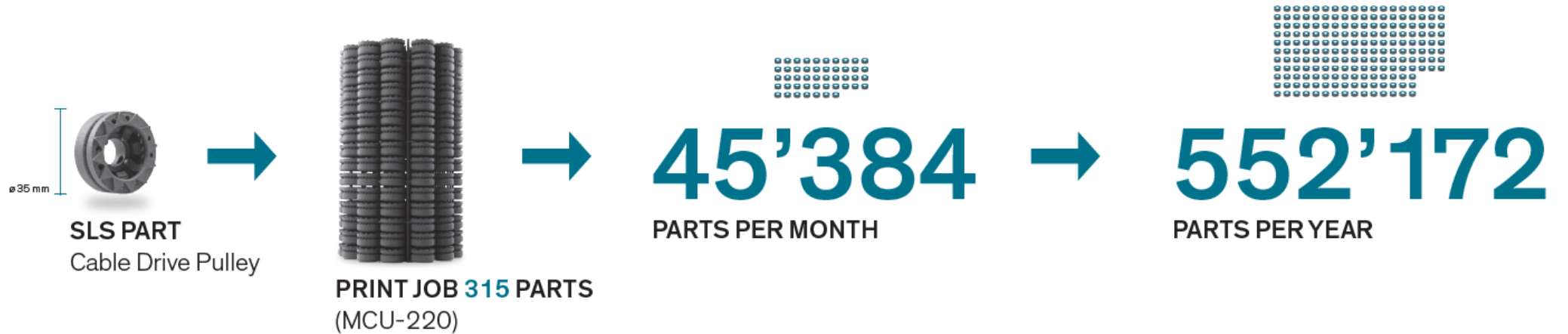
Advantages:

- No supportive structures needed
- Mechanically and thermally strong parts
- Re-use of non used powder material (ecologic)
- 1 or 100 different spare parts in one print possible
- No Tools needed



THE MANUFACTURING WORLD IS CHANGING

Flexible production of the future





THE MANUFACTURING WORLD MAP IS CHANGING

Local Competence – Global Excellence





THE MANUFACTURING WORLD IS CHANGING

What happens around us?



Financing to small manufacturers to install 3D printing equipment at a more accessible cost:

The Small Business Administration will collaborate with AM Forward participants to ensure that its 504 Loan Program and Small Business Investment Company (SBIC) program will enable the adoption of AM across the country.

•Technical assistance to SME manufacturers:

- America Makes will create a curriculum for workforce training with AM Forward participants
- The U.S. Department of Labor will establish apprenticeship programs for 3D printing



WHO WE ARE AND HOW WE CAN ASSIST



WE ARE THE LEADING SWISS PROVIDER OF FIRST-CLASS SELECTIVE LASER SINTERING SOLUTIONS

"We will benefit more and more from the possibilities of additive technologies."

Prof. Alberto Ortona
Director of the Hybrid Materials Lab
Institute for Mechanical Engineering and Materials Technology (MEMT) at SUPSI



"The laser sintering process perfected by Sintratec has suddenly opened the door to completely new solutions."

Claude Werder
Owner and Chairman of Board
Samuel Werder AG, Switzerland



"In podiatry we require high dimensional accuracy, resistance to deformation and heat, and ability to elongate without shattering. The Sintratec technology does all of the above easily."

Mark Ireland,
Owner & Principal Podiatrist at AFSP




"Selective laser sintering really sparks our imagination and reduces time-to-market."

Roger Baggenstos
Geberit development engineer
Piping systems division



"We are very proud to have made a small contribution in these difficult times."

Ricardo Suriano
Operations Manager Materla S1





ARE YOU USING THE FULL
POTENTIAL OF 3D-PRINTING?

BEGIN YOUR JOURNEY WITH US!