Digital Molding | Enabled by Figure 4 Technology

Peter Alderath, Sales Manager DACH
A 3D Printer For You
Why 3D Systems?

- Global Footprint
- World Class Customers
- Innovation Leadership
- ~1,700 Teammates
- 7 Print Engines
- 100+ Performance Materials
- Expanding Technology Platform
- ~1,300 Patents

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Why 3D Systems?
3D PRINTERS FOR EVERY NEED

Lower price points

Higher Performance

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Product List

Cube®

CubePro

ProJet®

ProJet MJP 6000/7000
ProJet MJP 5500X
ProJet 5000
ProJet 4500
ProJet 5000 Plastic, Wax, Dental
ProJet x60 series
ProJet 1200

ProX™

ProX 800/ProX 950
ProX SLS 500
ProX DMP 100-300, 320

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Mengenoutput?

Einzelfertigung (Losgröße 1) → 3D Druck!
Kleinserie (Einige hundert) → 3D Druck?
Großserie → Sekundärprozesse

→ Frage der Einzelstückkosten
→ Ziel: Verlagerung des Break Even
WHAT IS FIGURE 4 TECHNOLOGY?
Historic Barriers to Mass Production

01 Speed/Throughput

02 Material Properties

03 Automation

04 Industrial Integration

05 Cost
Figure 4 Benefits

01 No tooling time
02 No tooling costs
03 High-quality, tunable materials
04 No batching (streaming)
05 Scalable with production needs
06 No delays to change tooling
07 Simultaneous production of different part geometries
08 Greater part complexity
09 Part optimization and customization
10 Eliminate physical storage issues
11 Complements existing production methods
12 Industry 4.0 compatibility
Tool-free, Continuous Production
Tool-free, Continuous Production
Functional Materials with Tunable Properties
Figure 4 Improves Time to Market vs. Injection Molding
Figure 4: Ideal for Low Volume Production

- Simplify process
- Optimize design
- Design flexibility
- Digital textures
71um per second - 6 units per 20 minutes per module / 8 module system / 144 units per hour
Digital Textures
Metal Plating

Black Patina

Structural Nickel
Metal Plating
Thank you.