



HP 3D Multi Jet Fusion Iberia

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3D Printing: Catalyst for the 4th industrial Revolution

Digital Industrial Revolution



Artificial
Intelligence



Industrial
Internet of things



Big Data and
Analytics



Robotics



3D Printing

Transforming \$12T - Manufacturing Market



Rapid
innovation



Shorter time
to market



Less inventory



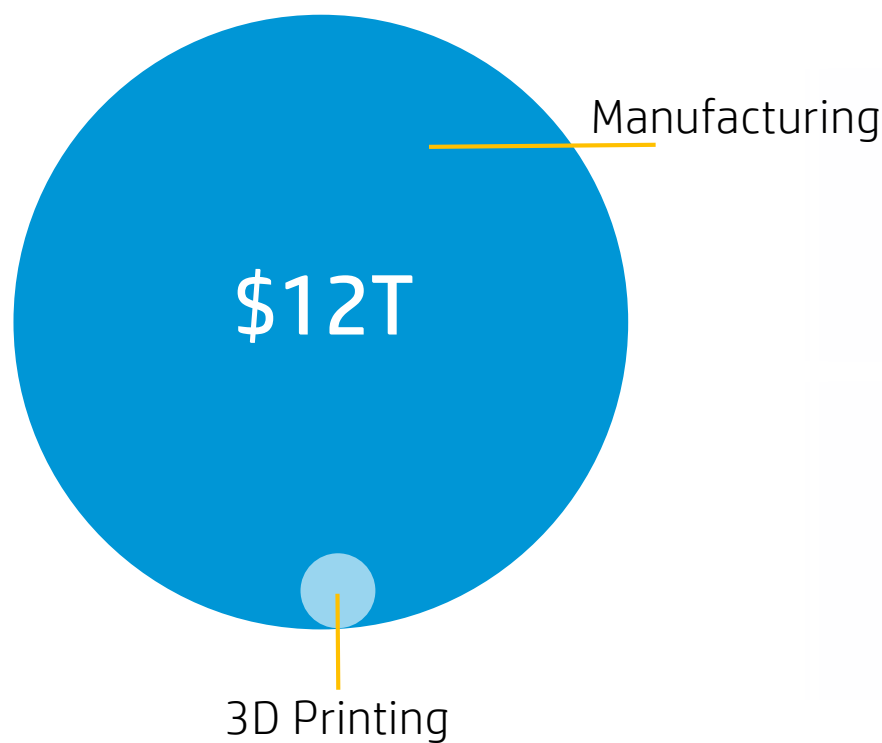
More efficient
supply chains



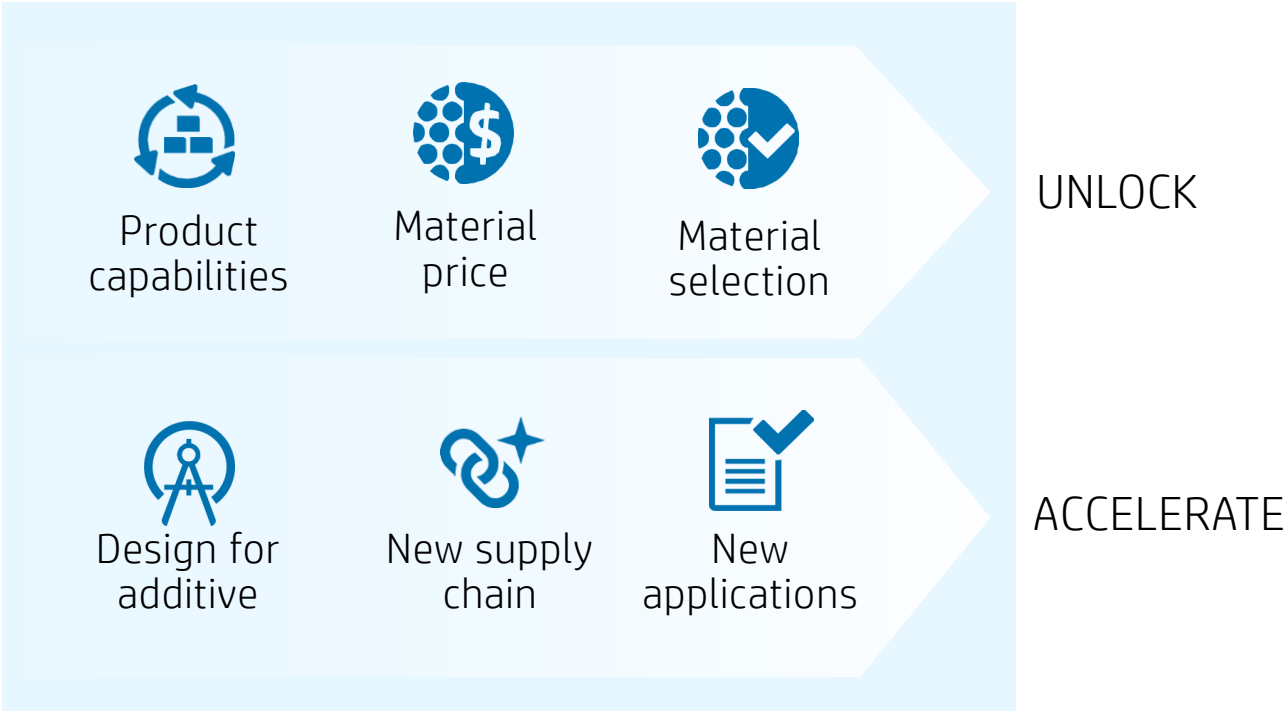
Higher capital
efficiency

Six levers to disrupt the \$12T manufacturing sector

MANUFACTURING SECTOR OFFERS
GREAT POTENTIAL FOR 3D PRINTING



SIX KEYS TO TRANSFORM
THE \$12T MARKET



Why 3D?

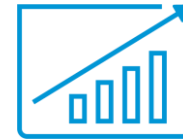
How to use: Pick & choose the right benefits for your application



Time



Economic
advantage



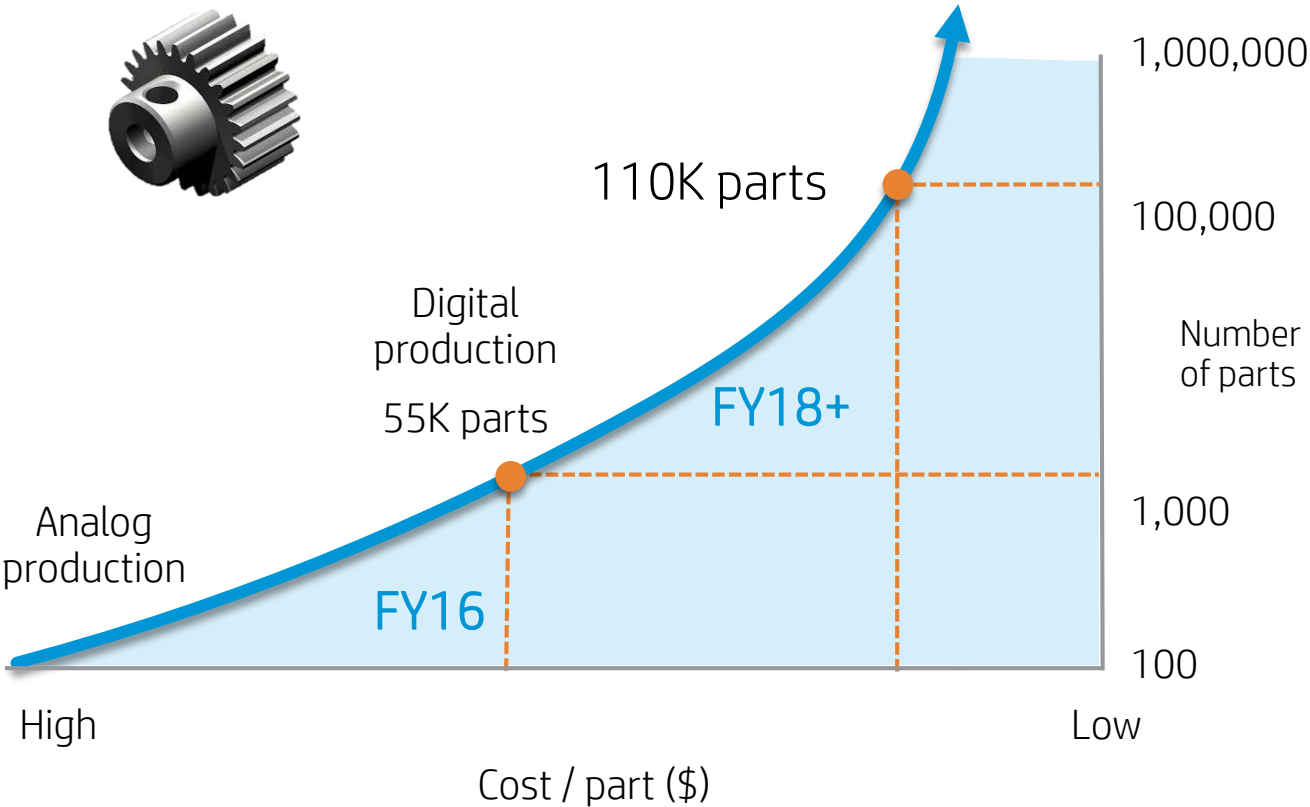
Performance
increase



Personalization

Significant momentum in the first year

Delivering breakthrough economics



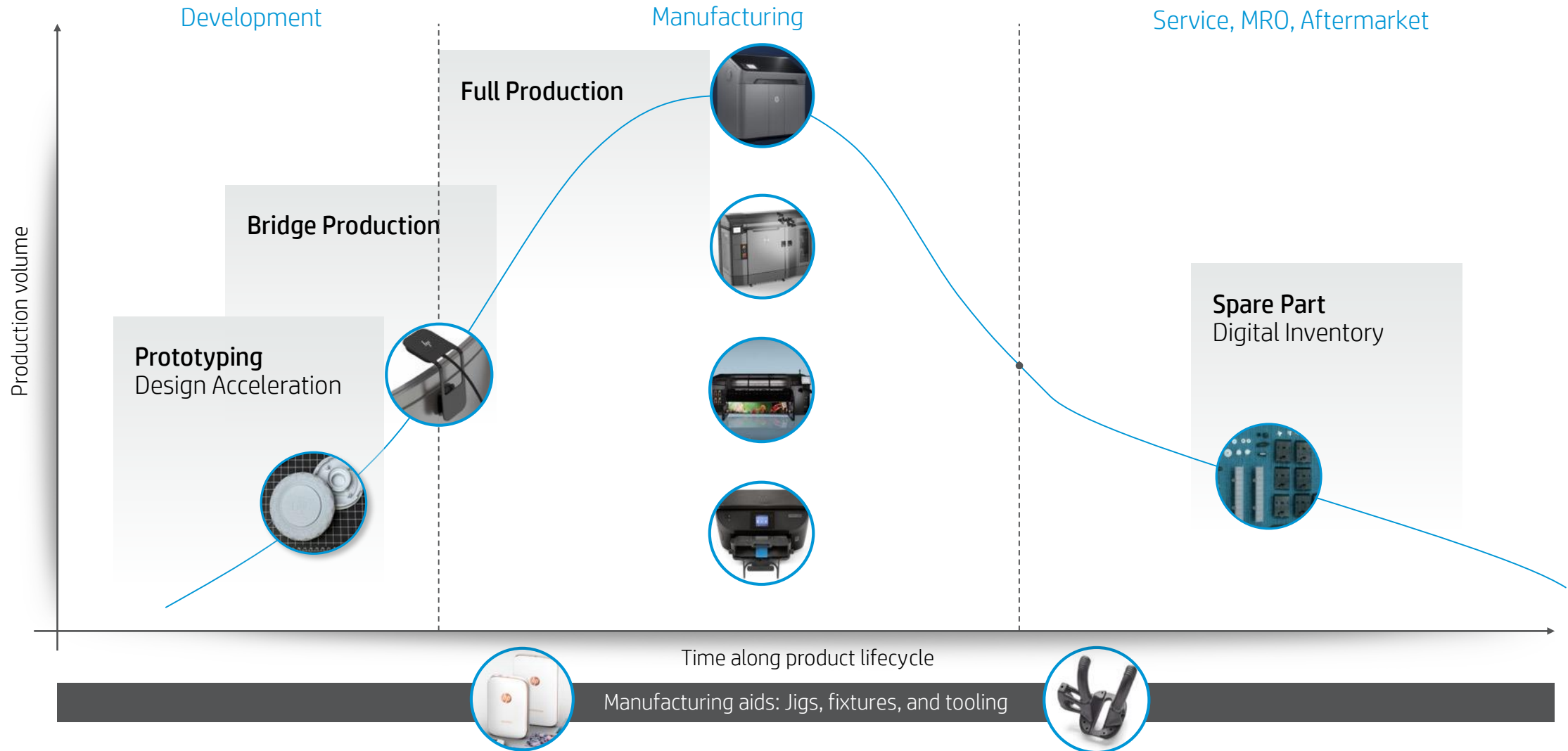
Driving
material costs down

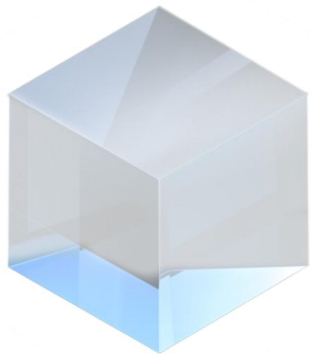
Reducing
cost-per-part (CPP)

Doubling
break-even to **110K**



Product lifecycle applications





HP JET FUSION 3D PORTFOLIO



300\500 SERIE

≤1,5 BUILDS/WEEK

Prototypes
Short run



4200 SOLUTION

2-3 BUILDS/WEEK



4210 SOLUTION

2,25-4 BUILDS/WEEK



4210B SOLUTION

>4 BUILDS/WEEK

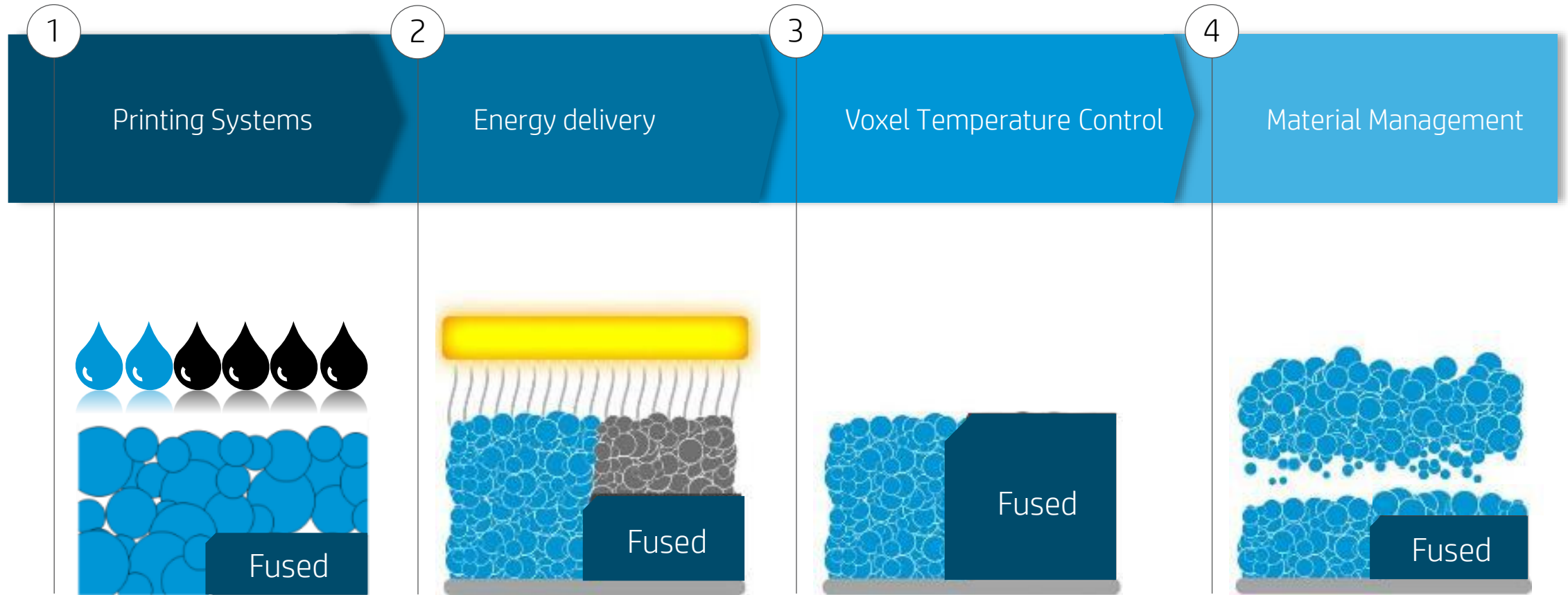


Production



Introducing MJF Technology

HP Jet Fusion 3D Printing Process





The process begins by applying a layer of material in a work area.

HP Jet Fusion 3D Printer

3D Printing Process





Success stories

Packaging and production lines



PROTOLABS | Black panther campaign

Industrial | Packaging



FINAL PART: Short runs

PNEUMATIC END EFFECTOR



CNC MACHINED



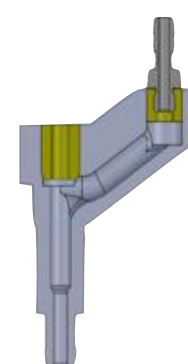
FDM

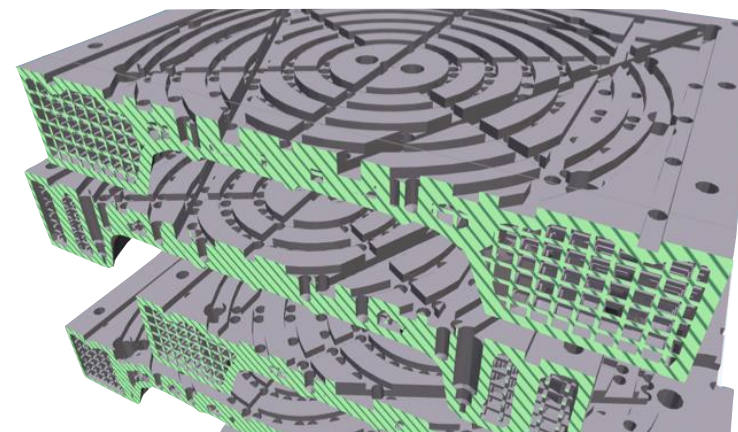


HP 3D MJF



CROSS SECTION





Consumer goods



FRESHFIBER | iPhone case

Consumer goods and electronics | Household appliances and electronics



FRESHFIBER| iWatch band (PA11)

Consumer goods and electronics | Fashion and wearables



BALLAST | VR Glasses

Consumer goods and electronics | Fashion and wearables

ballast



Produced by:



HORIZONS OPTICAL | Made4U glasses

Consumer goods and electronics | Fashion and wearables



MADE **4U**
CONCEPT



 **MIMIC**
E Y E W E A R



Produced by:

WTS
world tooling solutions



FRESHFIBER| Lights

Consumer goods and electronics | Home decoration and furniture





NEWROCK | Boot heels (HP 3D HR PA11)

Consumer goods and electronics | Fashion and wearables



Thank you



Digital
consultancy



Application
feasibility



Business
case



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