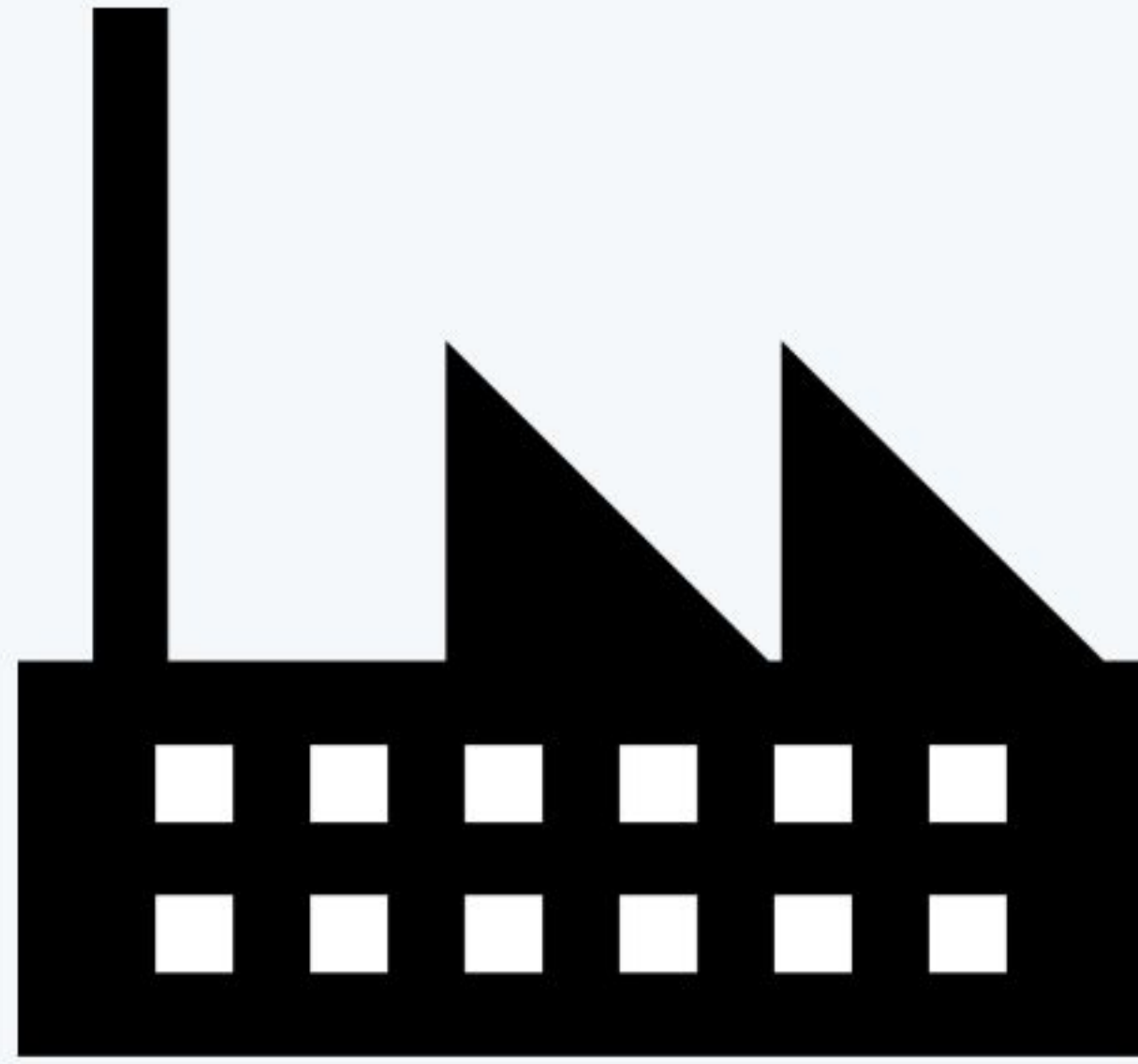




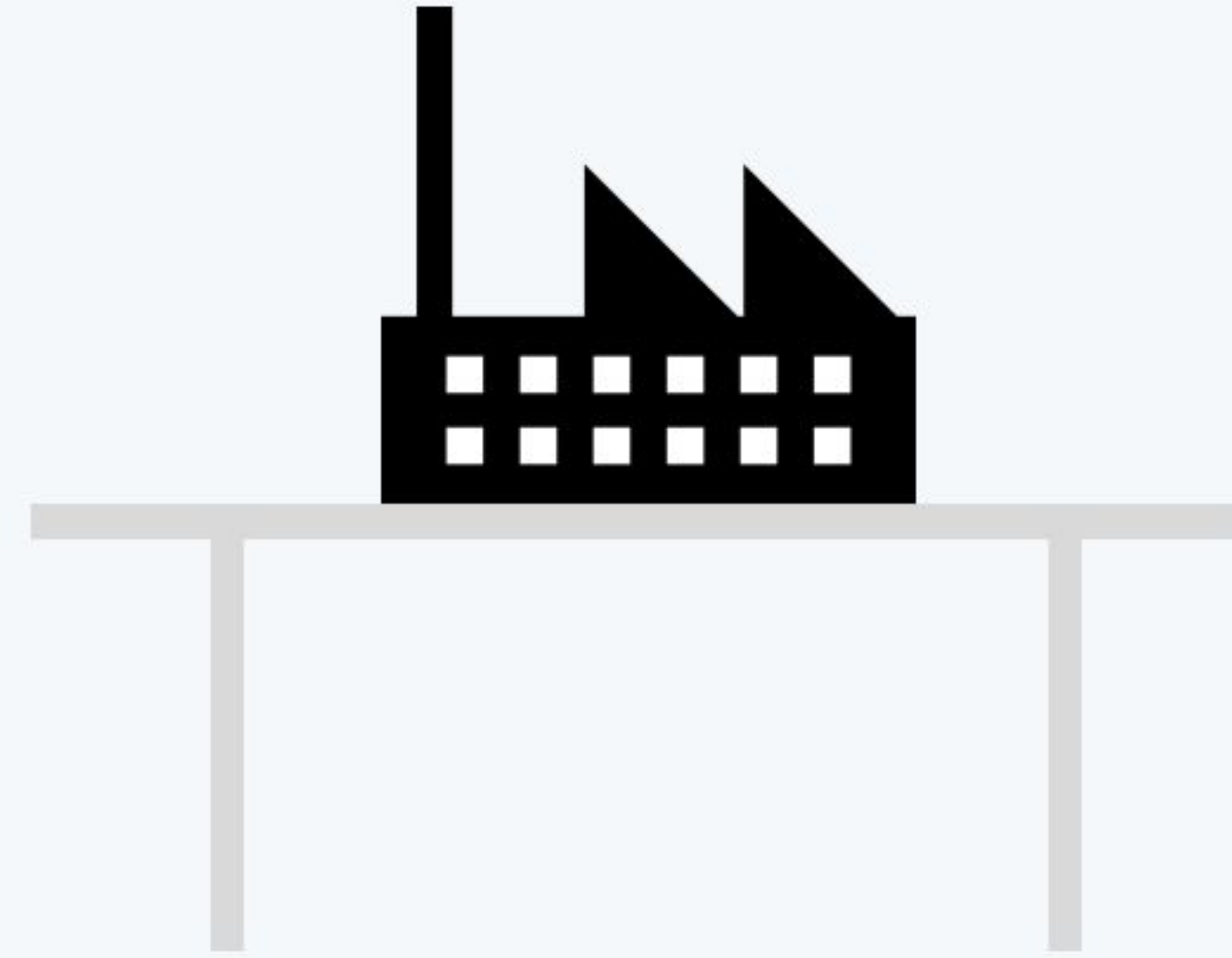
Product 2023



**Accelerate the global
transition to local
manufacturing**



Mass production
workflows



Desktop



A world where everyone has
access to the workflows
needed to manufacture locally

Pressure forming

- ✓ Industrial technology
- ✓ Fast cycle time
- ✓ High detail
- ✓ 500 - 1000 viable batch size



Pressure forming

- ✓ Industrial technology
- ✓ Fast cycle time
- ✓ High detail
- ✓ 500 - 1000 viable batch size
- ⚠ Inaccessible
- ⚠ Large footprint
- ⚠ High cost
- ⚠ Technician needed



MULTIPLIER

Pressure forming, on the desktop

60 PSI

PRESSURE

220°C

TEMPERATURE

400x160_{mm}

FORMING AREA

<1µm

DETAIL

5 Tonnes

FORCE

0.5-5mm

THICKNESS

MAYKU



MULTIPLIER

Industrial grade molds & parts in minutes

- ✓ Affordable
- ✓ Easy-to-use
- ✓ No technician needed
- ✓ Desktop size
- ✓ 1-100 viable batch size
- ✓ Works with SLA/FDM/SLS prints for tooling

MAYKU



MULTIPLIER

This is not a vacuum former



MAYKU

MULTIPLIER

This is a pressure former

220°C

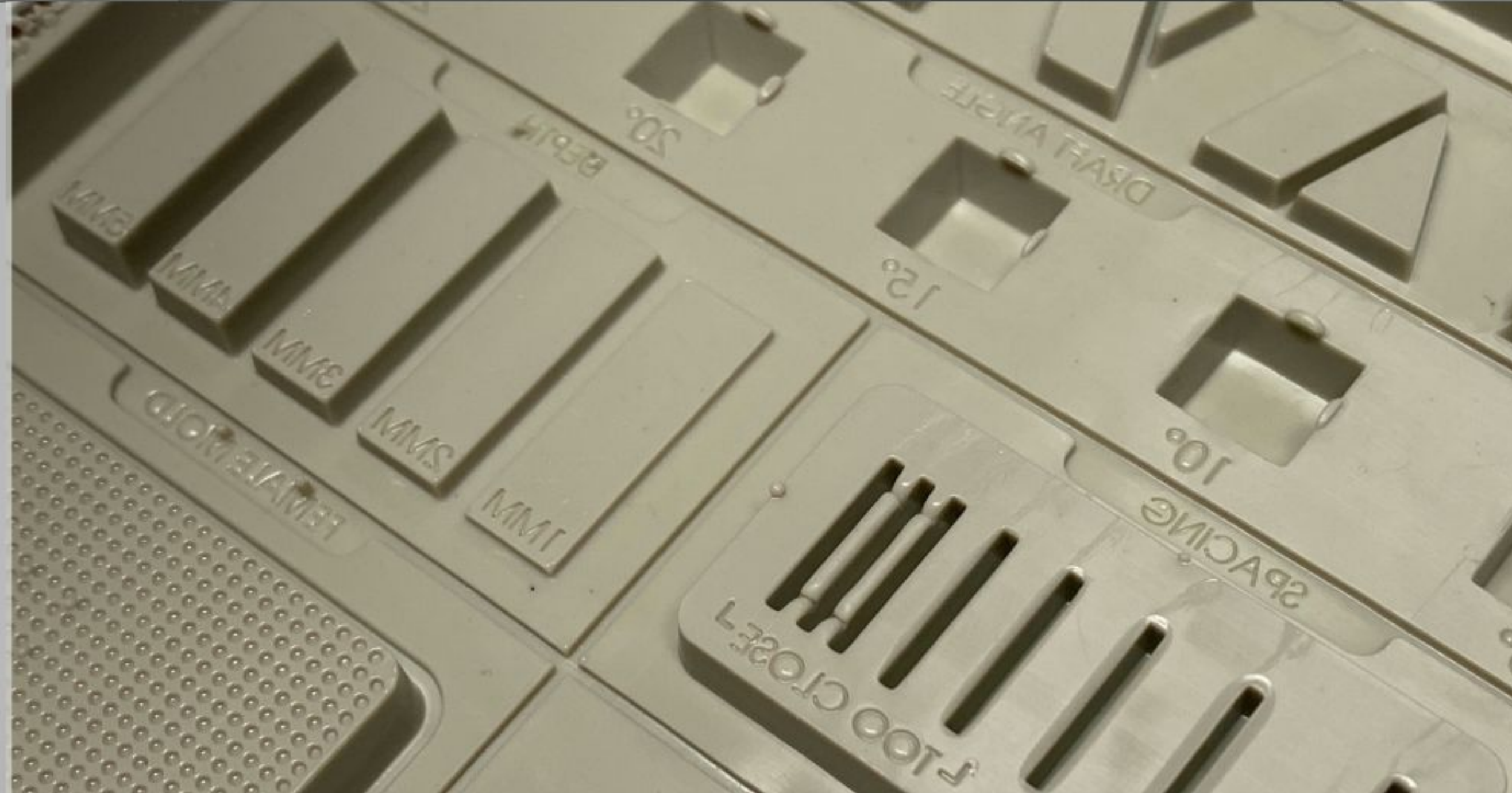
TEMPERATURE

5 Tonnes

FORCE

0.5-5mm

THICKNESS



60 PSI

PRESSURE

<1µm

DETAIL

400x160_{mm}

FORMING AREA

MULTIPLIER UHMW

Strong, flexible
impact-resistant
parts with good
chemical
resistance

MAVU



MULTIPLIER PETG

Transparent,
recyclable, food
safe parts and
molds

RAYTU



MULTIPLIER **HIPS**

Low-cost,
lightweight, food
safe versatile,
recyclable
material

MAVU



MULTIPLIER **ABS**

Tough, impact
resistant parts
with high heat
resistance

MAVAKU



MULTIPLIER EVA

Flexible parts and two-part molds

MAVKAU



MULTIPLIER **PMMA**

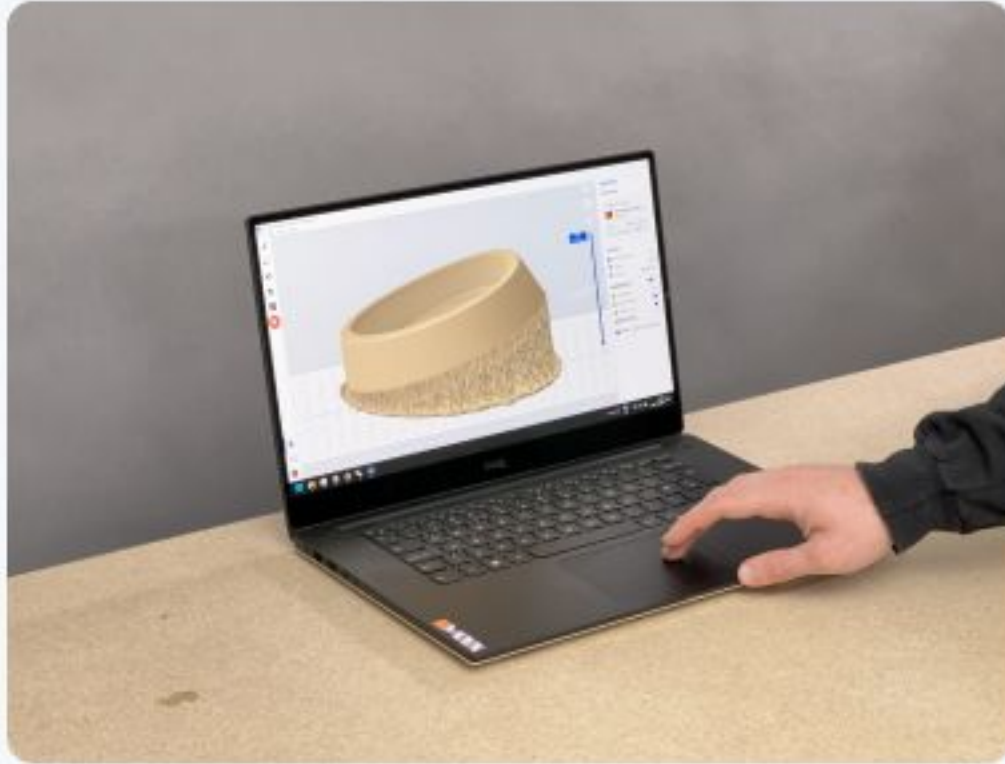
Optically
clear, glass-
like parts

NAVU



MULTIPLIER **WORKFLOW** PMMA

1 Design



5+ Degree draft angles
No undercuts
Thick walls, high infill

2 Print



High temp resin - SLA
Polycarbonate - FFF
Nylon - SLS

3 Multiply



5 minute cycle time

4 Post-process



High frequency knife
Use a jig for accuracy
and speed

MULTIPLIER MATERIALS ROADMAP

LAUNCHED COMING SOON VALIDATED LIKELY TESTING NOT COMPATIBLE

	PETG	HIPS	EVA	LDPE	ABS	UHMW	EXT PMMA	CAST PMMA	PP	ACETAL	80° C CARBON
1mm	LAUNCHED	LAUNCHED	VALIDATED	VALIDATED	VALIDATED	VALIDATED	TESTING	LIKELY	LIKELY	TESTING	LIKELY
1.5mm	LIKELY	LIKELY	LAUNCHED	TESTING	TESTING	LIKELY	TESTING	LIKELY	LIKELY	TESTING	LIKELY
2mm	VALIDATED	VALIDATED	VALIDATED	VALIDATED	TESTING	VALIDATED	TESTING	VALIDATED	VALIDATED	TESTING	LIKELY
3mm	VALIDATED	VALIDATED	VALIDATED	TESTING	TESTING	COMING SOON	TESTING	COMING SOON	VALIDATED	TESTING	TESTING
3.5mm	LIKELY	LIKELY	VALIDATED	TESTING	TESTING	TESTING	TESTING	TESTING	LIKELY	TESTING	TESTING
4mm	LIKELY	LIKELY	VALIDATED	TESTING	COMING SOON	NOT COMPATIBLE	NOT COMPATIBLE	NOT COMPATIBLE	VALIDATED	TESTING	TESTING
5mm	VALIDATED	VALIDATED	COMING SOON	NOT COMPATIBLE	TESTING	NOT COMPATIBLE	NOT COMPATIBLE	NOT COMPATIBLE	TESTING	TESTING	TESTING

Now we focus on batches of 1 - 100 molds and parts

Batch Size

1000+

Mass
Production

100 -
1000

Production
Ramp-up

Small-batch
Production

Production
Ramp-down

25 -
100

Field/user
testing

1-25

Working
Prototypes

1

Concept
models

Visual
Prototypes

Time

In the prototyping and testing phases of development

Batch Size

1000+

Mass
Production

100 -
1000

Production
Ramp-up

Small-batch
Production

Production
Ramp-down

25 -
100

Field/user
testing

1-25

Working
Prototypes

1

Concept
models

Visual
Prototypes

Time

Over time, we aim to enable workflows that make larger batches viable to support production applications



MULTIPLIER

Industrial parts in minutes, in house

- ✓ Industrial parts
- ✓ High detail
- ✓ Short lead-time
- ✓ Low cost-per-part
- ✓ High consistency
- ✓ Batch size 1 - 100

NAVU



MULTIPLIER

Accelerating innovation

- ✓ Shorter development cycles
- ✓ Reduced risk to launch
- ✓ Keep in-house and protect IP
- ✓ Faster time-to-market

MAYKU



MULTIPLIER

500 users. From
automotive
engineers to
microfluidics labs



Microfluidics

“Every time I tried to replicate something smaller, the machine managed to do it without breaking a sweat. Now we replicated 1 μm (or one thousandth of a millimetre) features”

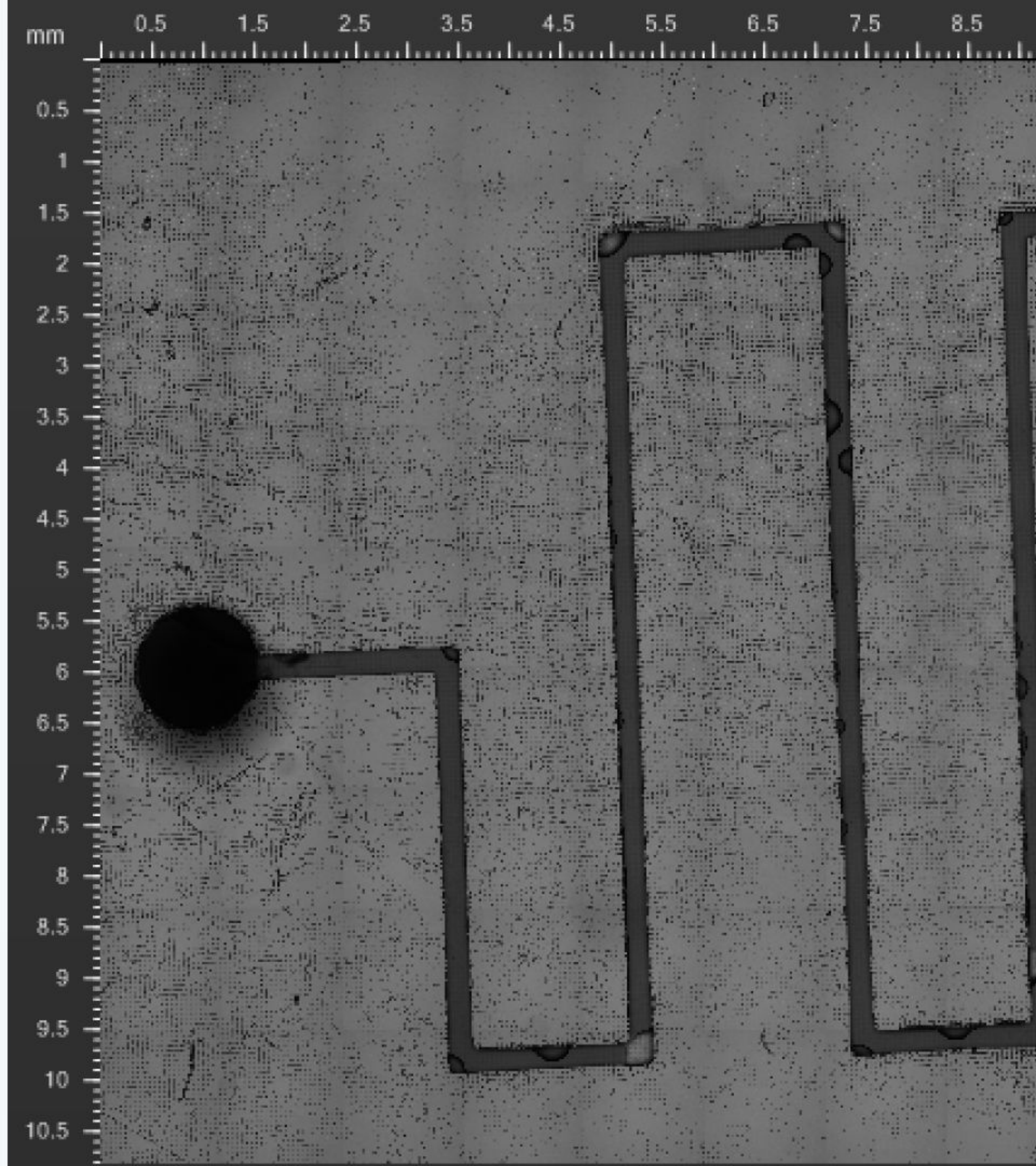
Vittorio Saggiomo
Professor Bio Nano Technology
WUR, Netherlands



Microfluidics

“Every time I tried to replicate something smaller, the machine managed to do it without breaking a sweat. Now we replicated 1 μm (or one thousandth of a millimetre) features”

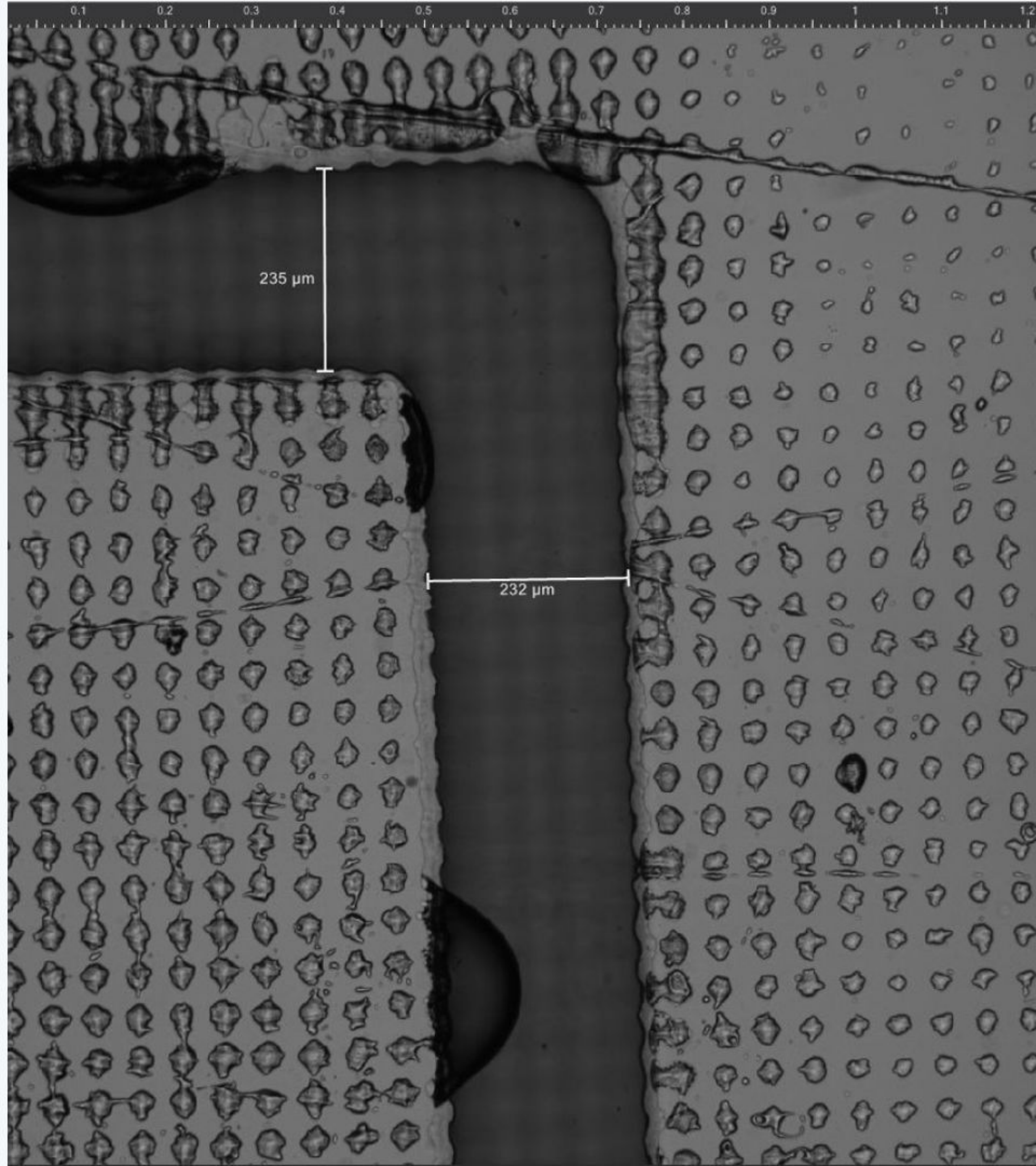
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Microfluidics

“Every time I tried to replicate something smaller, the machine managed to do it without breaking a sweat. Now we replicated 1 μm (or one thousandth of a millimetre) features”

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Lighting spare parts

“The machine is fantastic and intuitive! It’s amazingly user friendly and made it possible to start making finished products in a couple of hours.”

Kenneth Berg
For a Hotel client by 3D Net Norway
Oslo



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MULTIPLIER

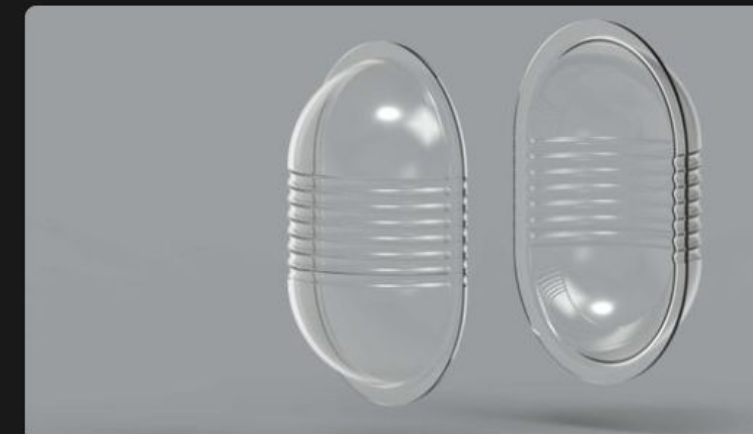
Join the pioneer programme

- ✓ Early access to a machine
- ✓ 121 support from Mayku CPO
- ✓ Support with your application
- ✓ Unlocked firmware
- ✓ Lifetime free updates

Together, Mayku and the Pioneers are driving innovations.
Follow all developments here:

Board view

Ideas 31



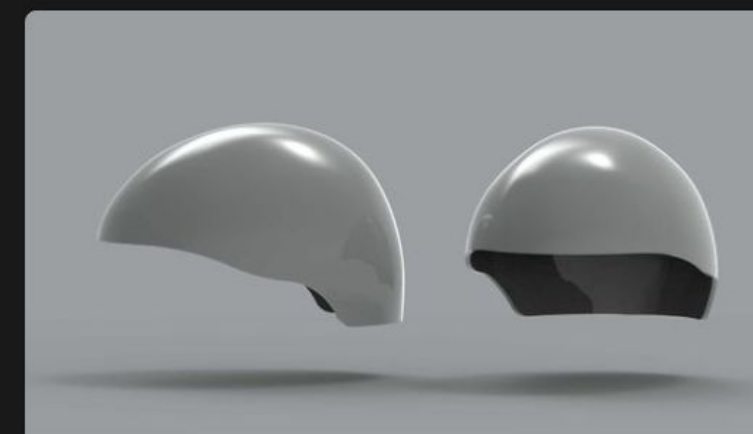
PMMA Garden Light

PMMA



ABS Automotive Hub Cap

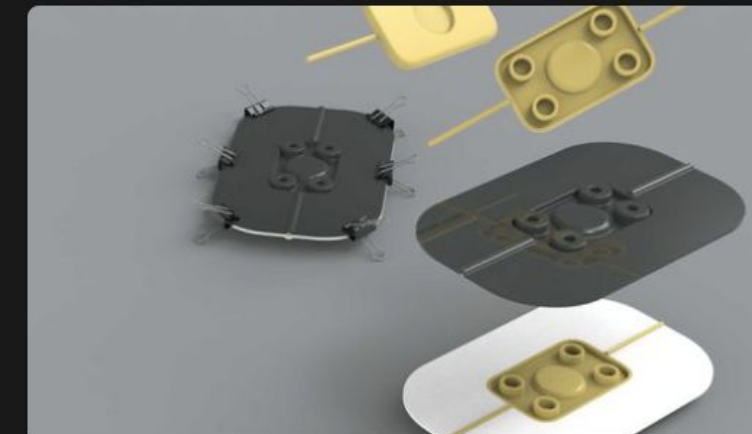
ABS



UHMWPE Bike Helmet

UHMWPE

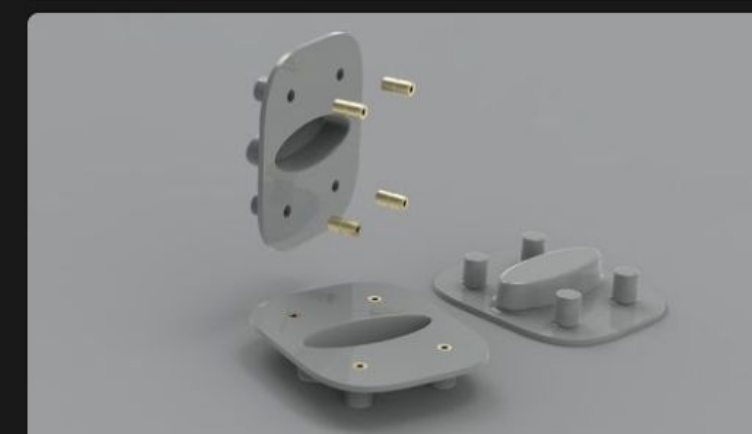
In Testing 2



EVA High Detail Casting 2 Part Mold

EVA

Concept Axel LTD



ABS Embedding screw threads to enable part fixtures

ABS

Concept Axel LTD

Validated 4



PMMA Car Light Lens

PMMA

Concept Axel LTD



ABS Automotive Enclosure

ABS

Concept Axel LTD



Calculator

High Precision Packaging