

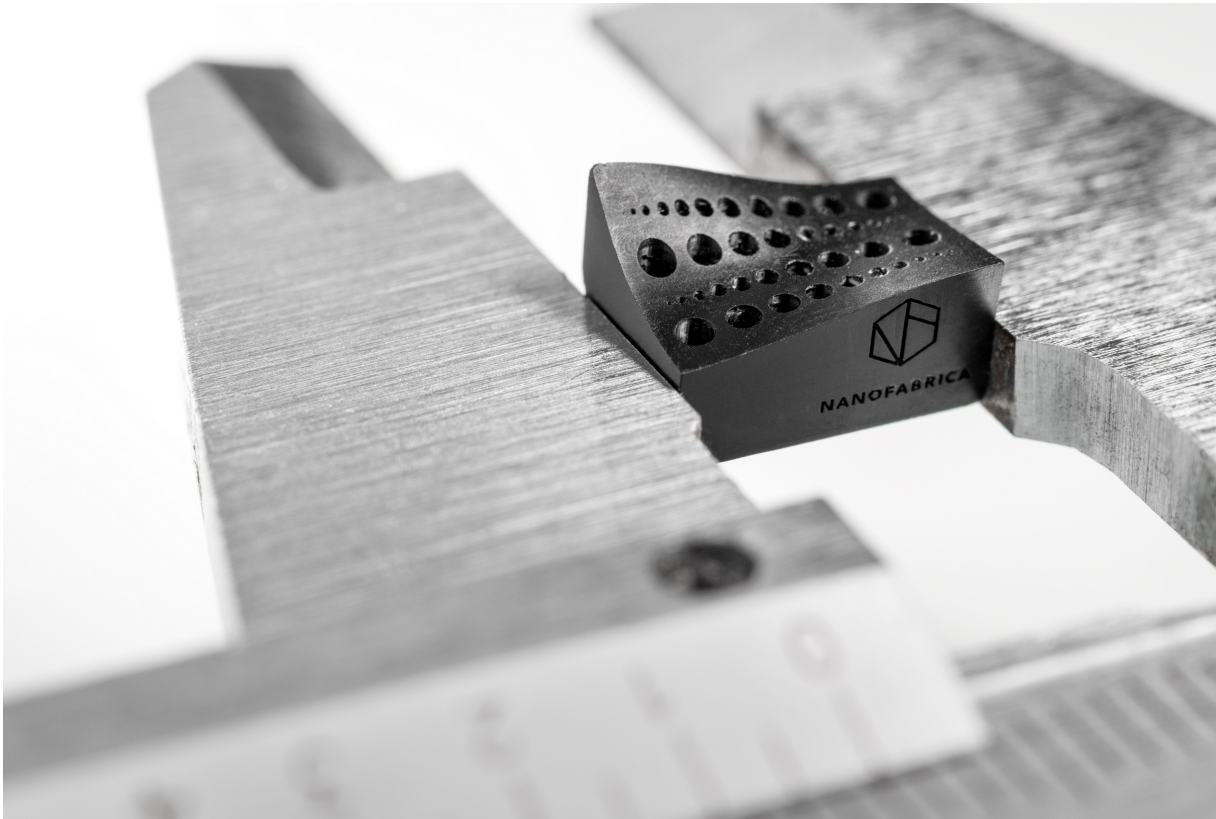


Shaping the future. One micron at a time

Fabrica 2.0

Across a wide range of applications for precision manufacturing

Design customization



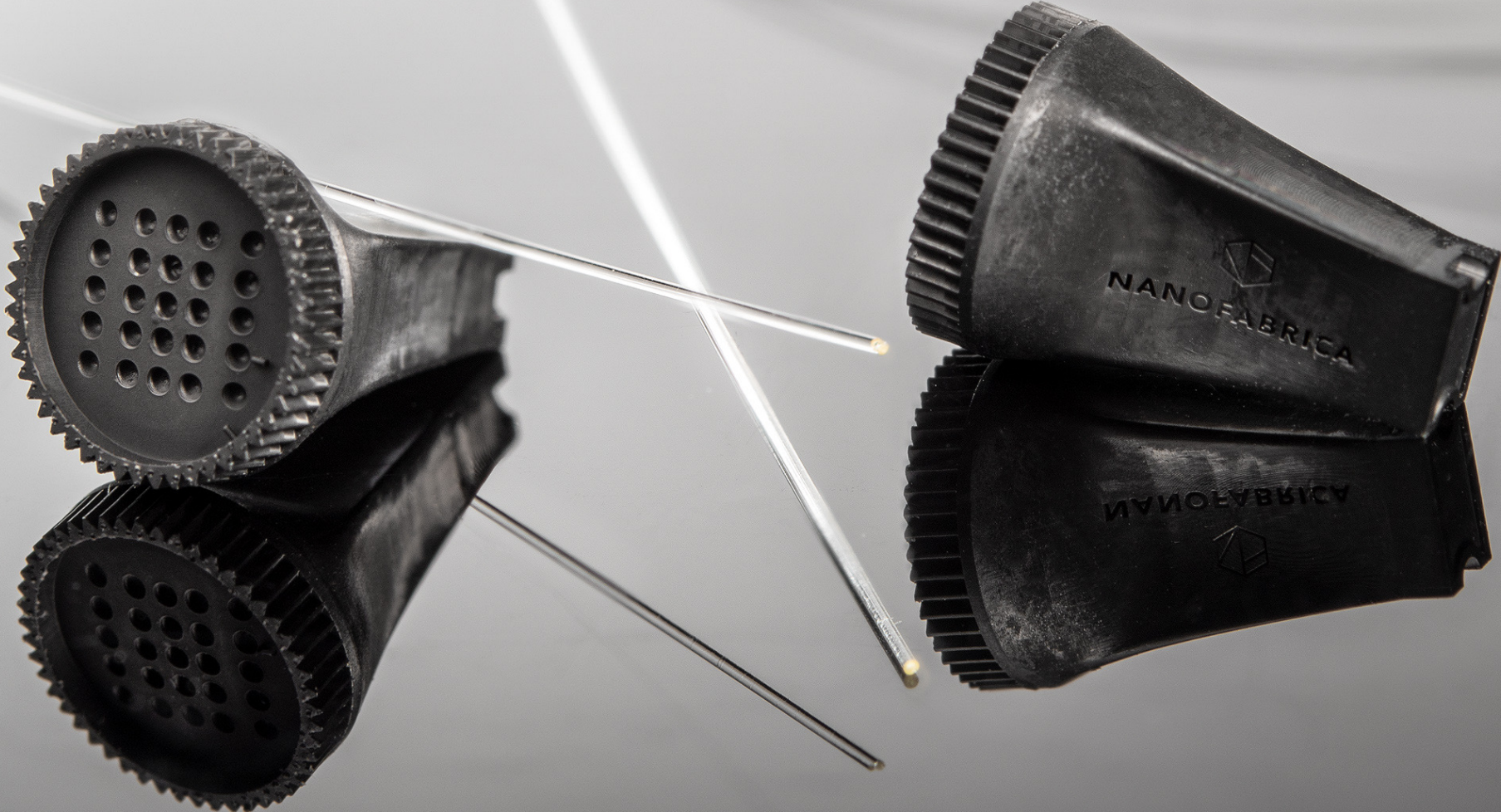
Resolution



**MICRO
MECHANICAL
PARTS**



MICRO OPTICAL CONNECTORS



5 mm

MICRO FILTERS



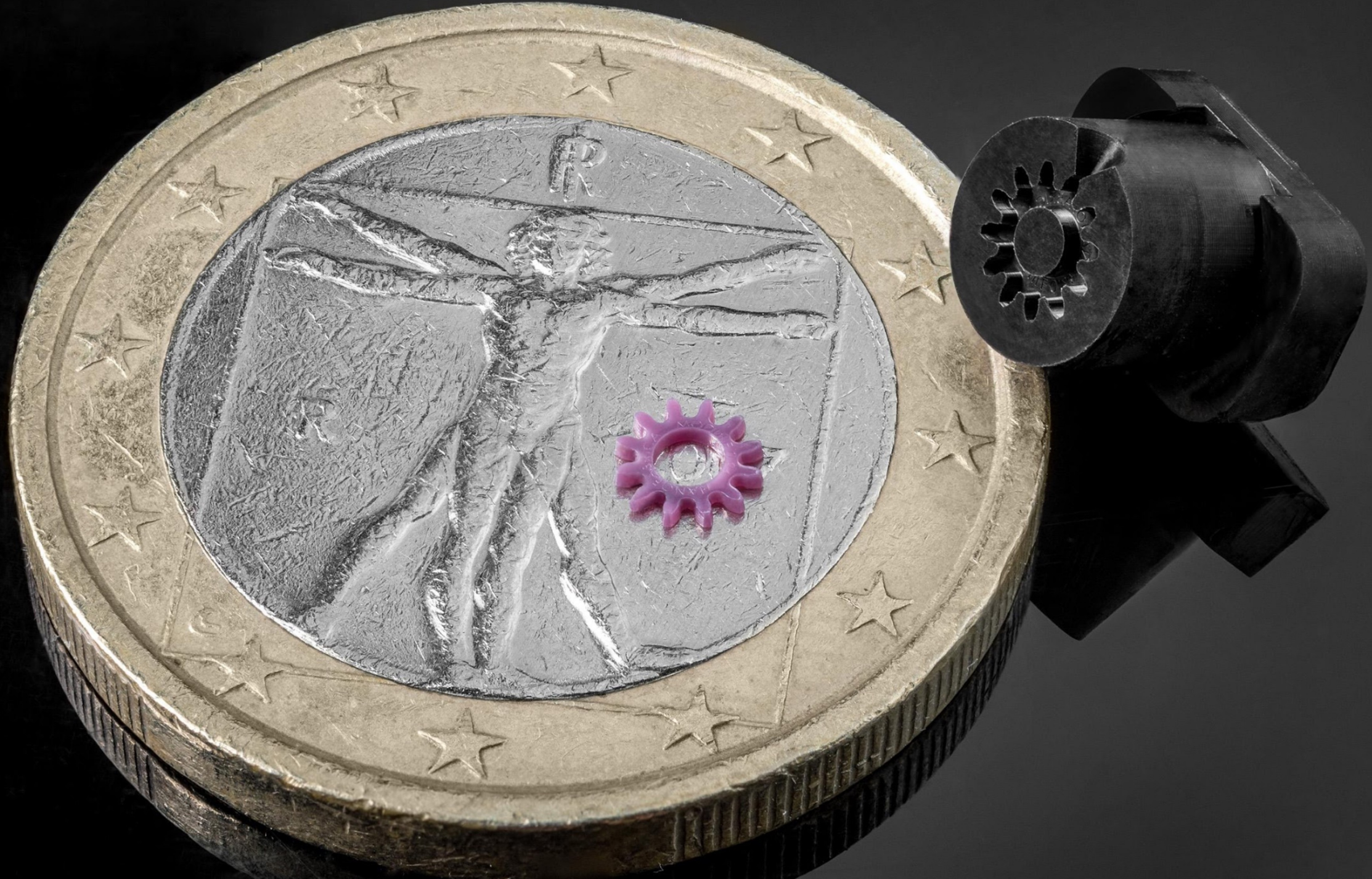


MICRO FILTERS



1 mm





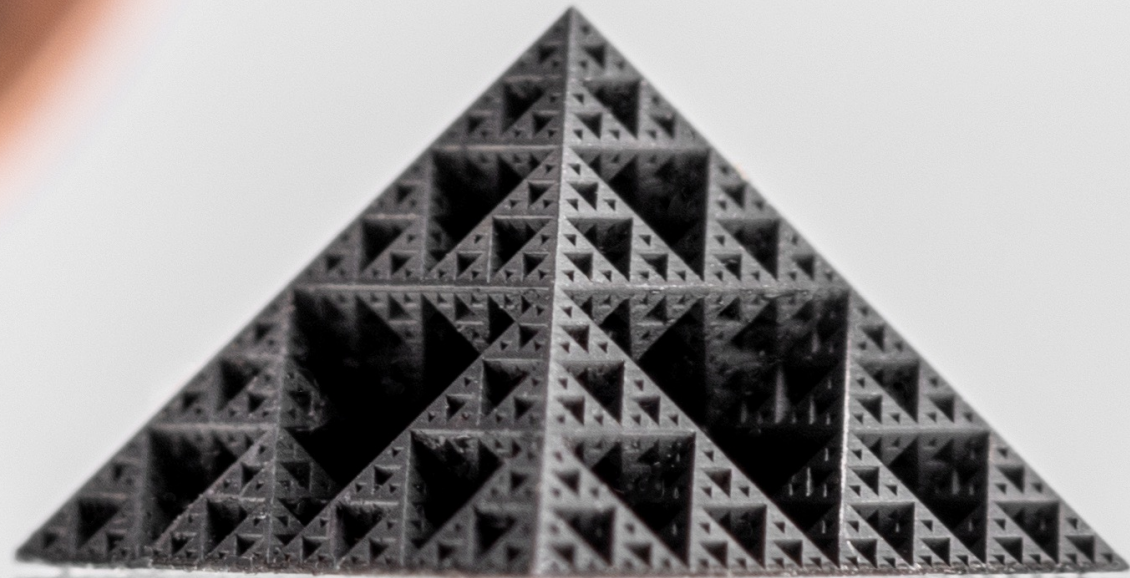
INJECTION MOLDING

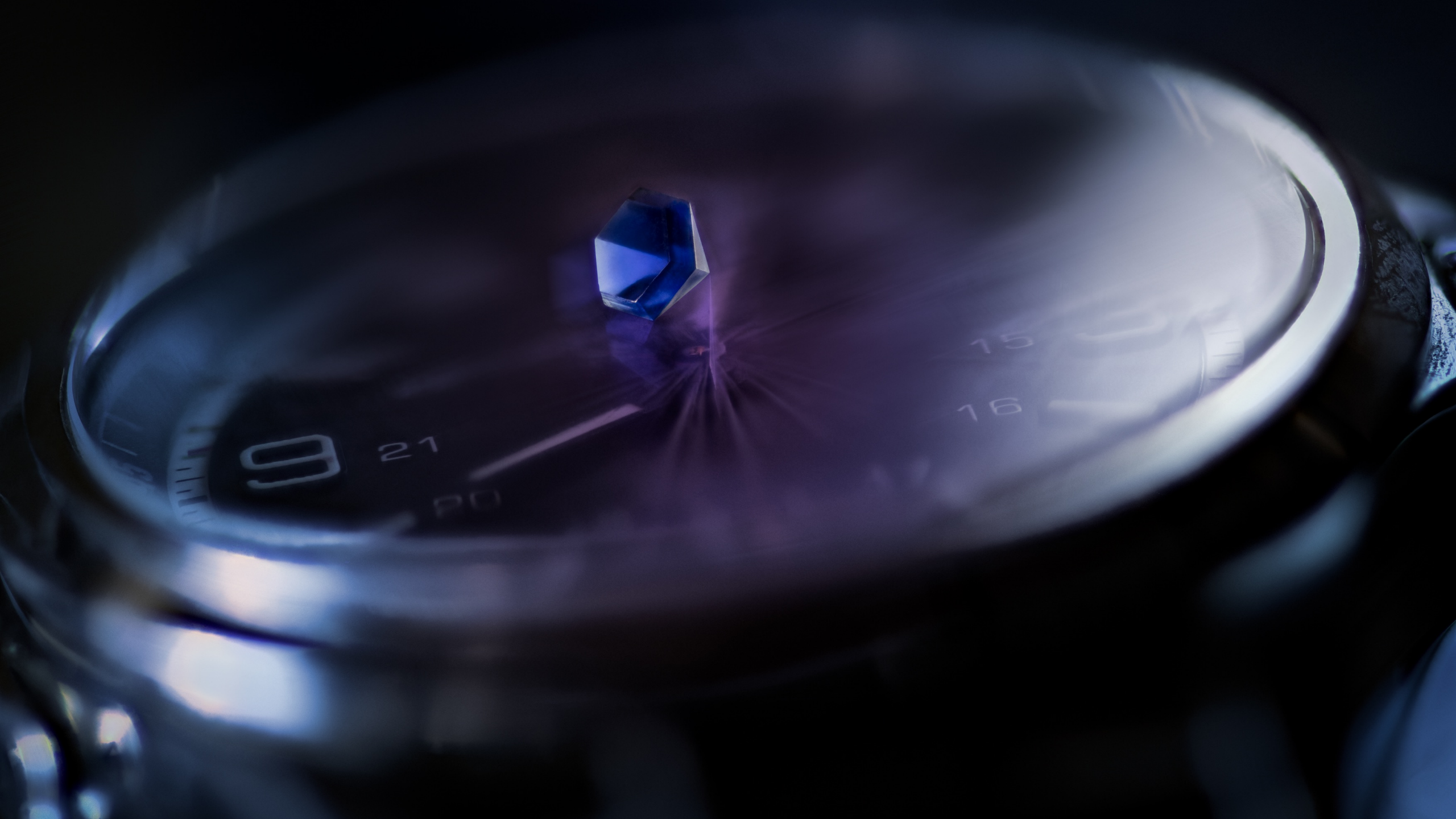


ELECTRICAL CONNECTORS



**COMPLEX
GEOMETRIES**





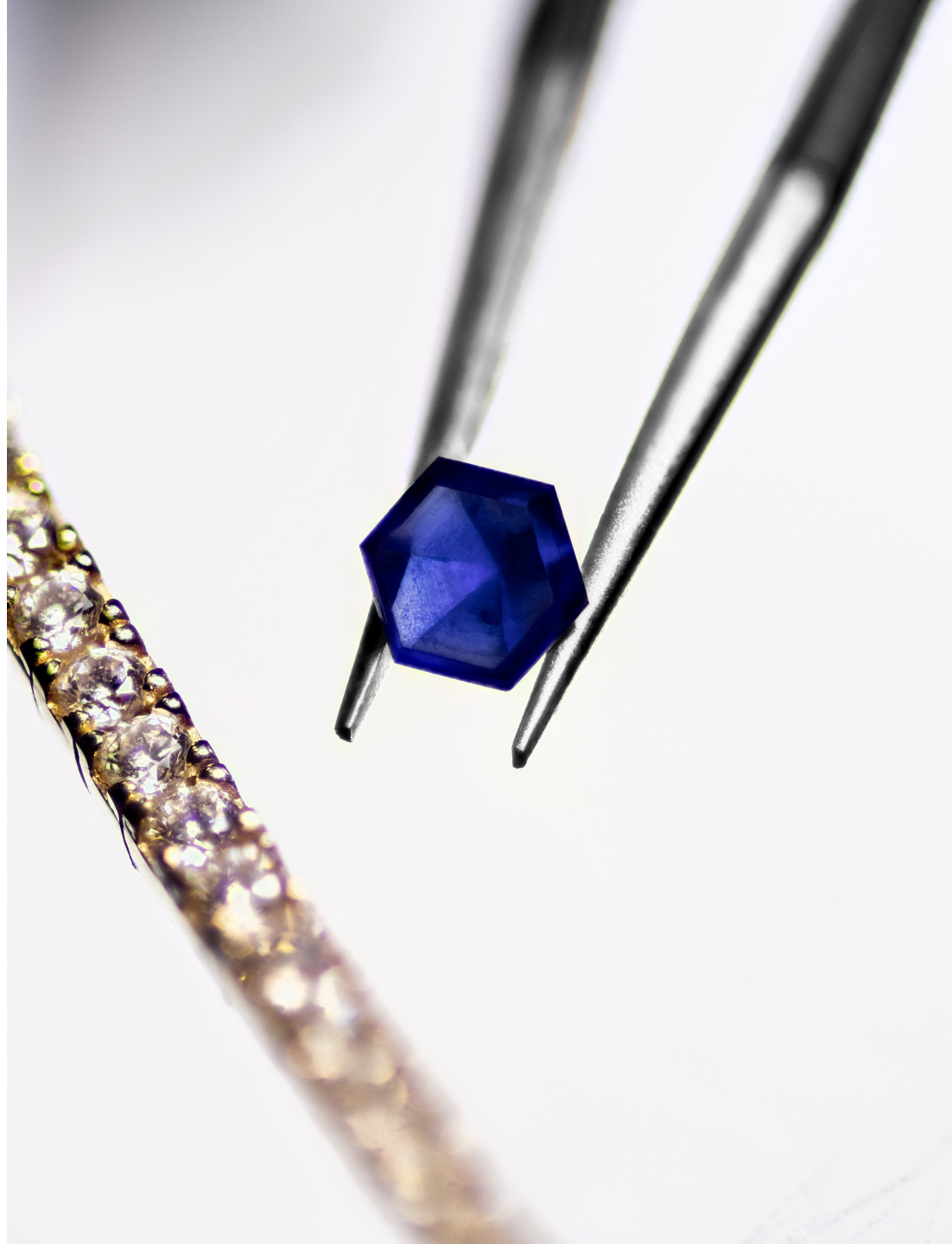
9

21

20

16

15

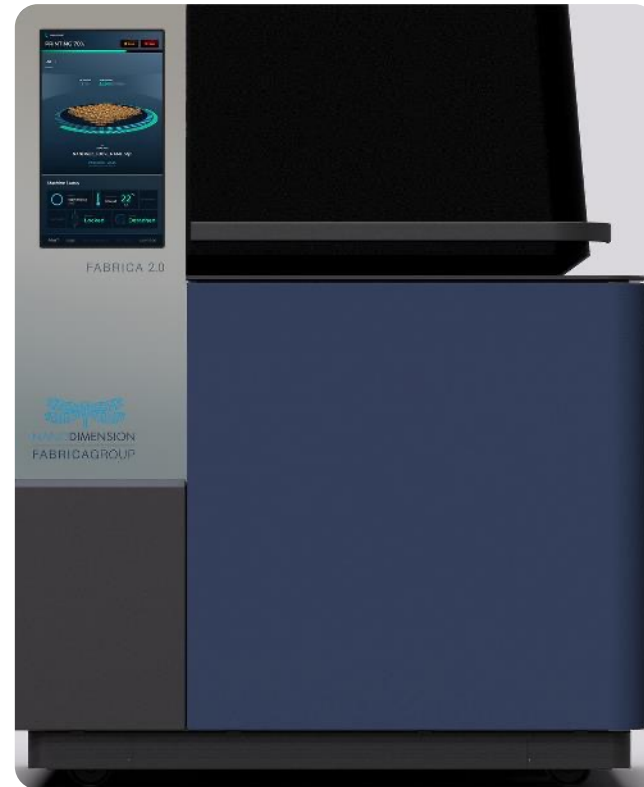




TECHNOLOGY

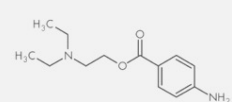
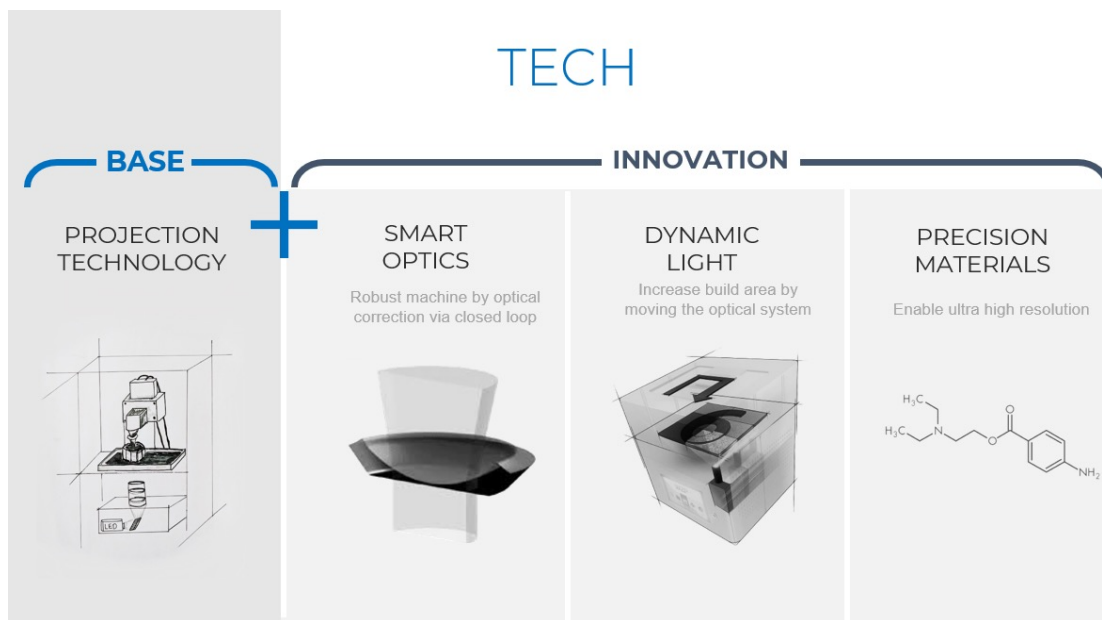


FABRICA 2.0





TECH



FABRICA 2.0 – AM SYSTEM

Resolution	1.9 micron
Tolerance	1 micron
Surface Roughness (RMS)	0.8 micron
Layer Thickness	1-5 micron
Build Speed	1 mm Height Per Hour
Build Volume	50mm x 50mm x 100mm
Weight (Net Weight)	450 kg
Weight (Gross Weight)	550 kg
Dimensions	140cm X 90cm X 170cm
Operating Temperature / Humidity	24-30 °C / 40-60%
Power	100-240 V - 3 KW
Technology	Micro DLP AM System

* Speed can vary depending on required resolution



MATERIALS

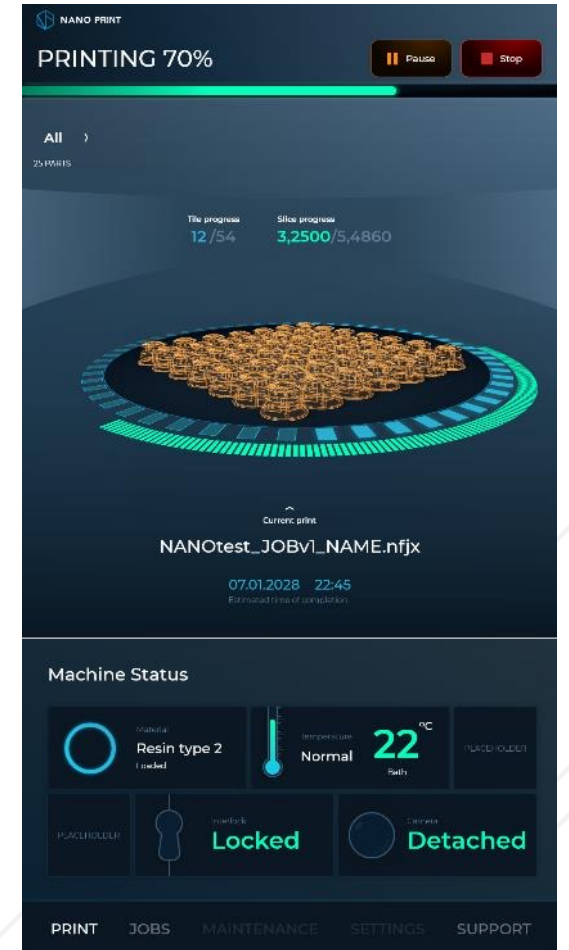
Precision N-800	ABS-like An ideal choice for structural applications.
Performance P-900	Reinforced Composite High-temperature-tolerance with upgraded mechanical properties.
Durable D-810	Versatile ABS-like Durable, rigid material enabling high structural integrity.
Transparent T-700	Parts requiring translucency such as optical elements, microfluidic chips and medical devices.

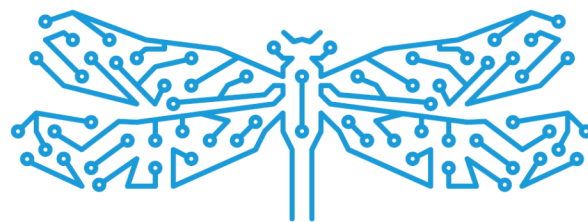


Short term material road map:
Bio compatible, High temperature – 300 Deg C , Carbon Nanotube filled

SW

- Smart stitching – sophisticated algorithm controls stitching per part and section.
- Illumination time - adjusting printing parameter per pixel
Improving yield, quality and part variability.
- A novel algorithm that adjusts motion profiles in real time – to optimize speed and yield





NANODIMENSION

FABRICATION GROUP

THANK YOU



NANODIMENSION
Electrifying Additive Manufacturing®