FEMTOSURF

# EPIC ONLINE TECHNOLOGY MEETING ON SURFACE STRUCTURING

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*27 April 2020*

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# FEMTIKA

FEMTOSURF

- Founded in 2013;
- Based in Sunrise Valley, Vilnius, Lithuania;
- Employees: 33 (3 PhDs, 5 PhD students);
- R&D services, limited production, machining workstations ("Laser Nanofactory", introduced in 2017);

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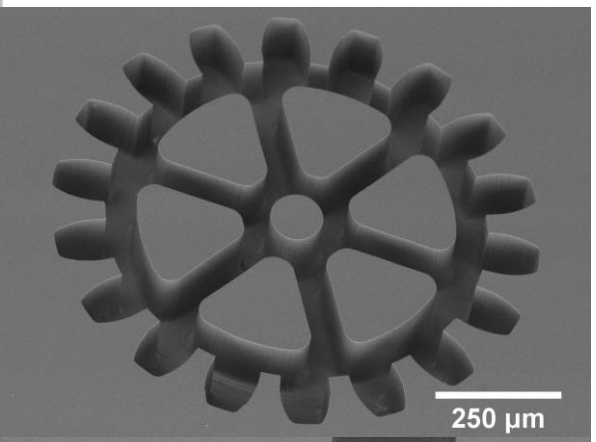
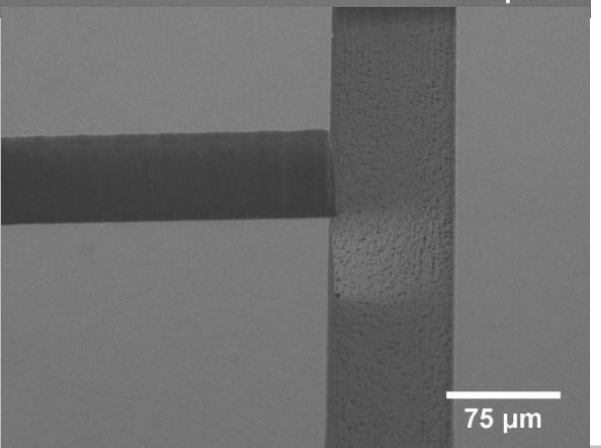
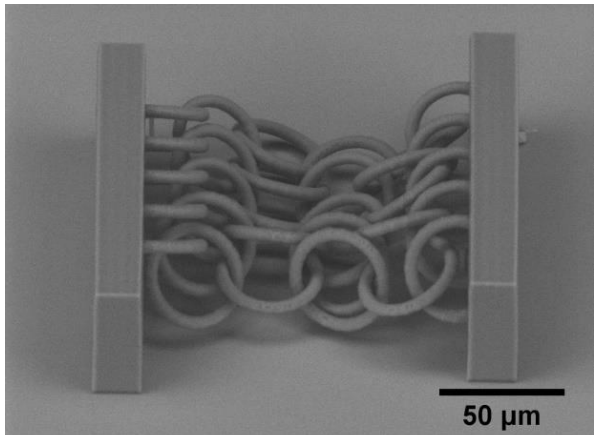
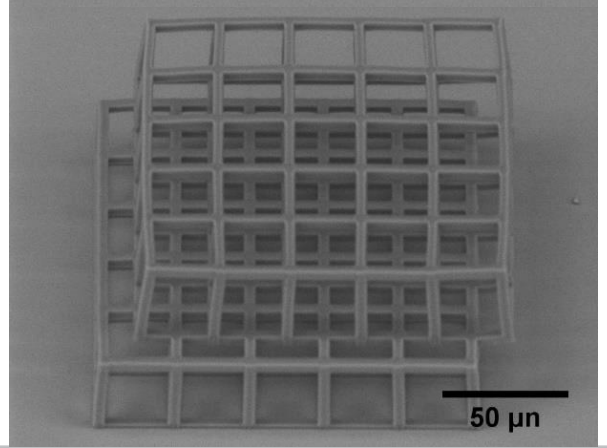
## Selective glass etching (Subtractive)



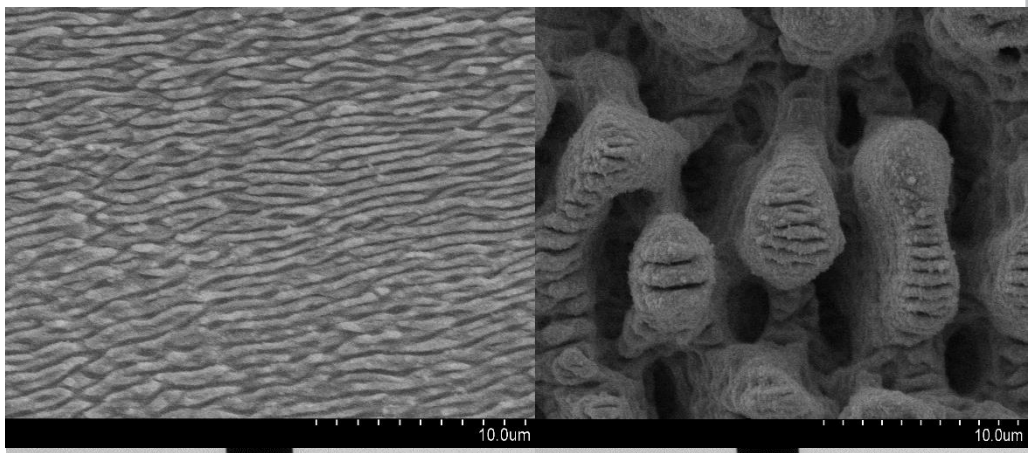



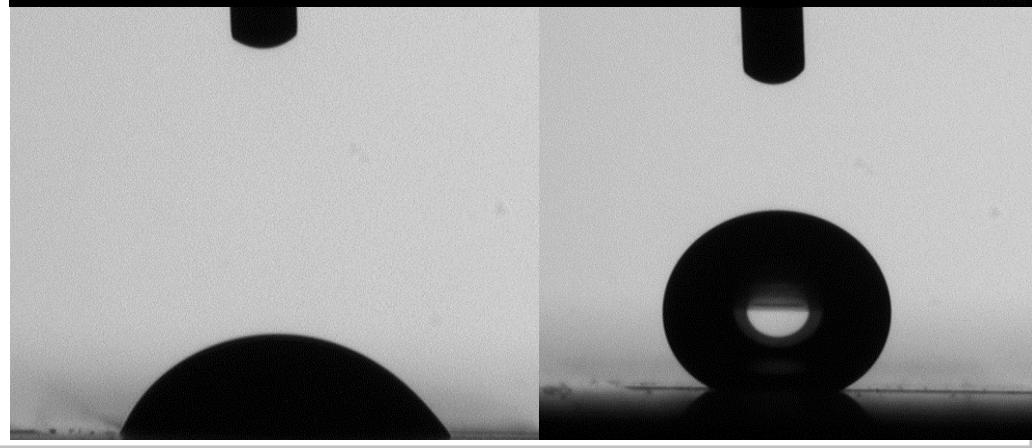

## Multiphoton polymerization (Additive)




## Surface structuring



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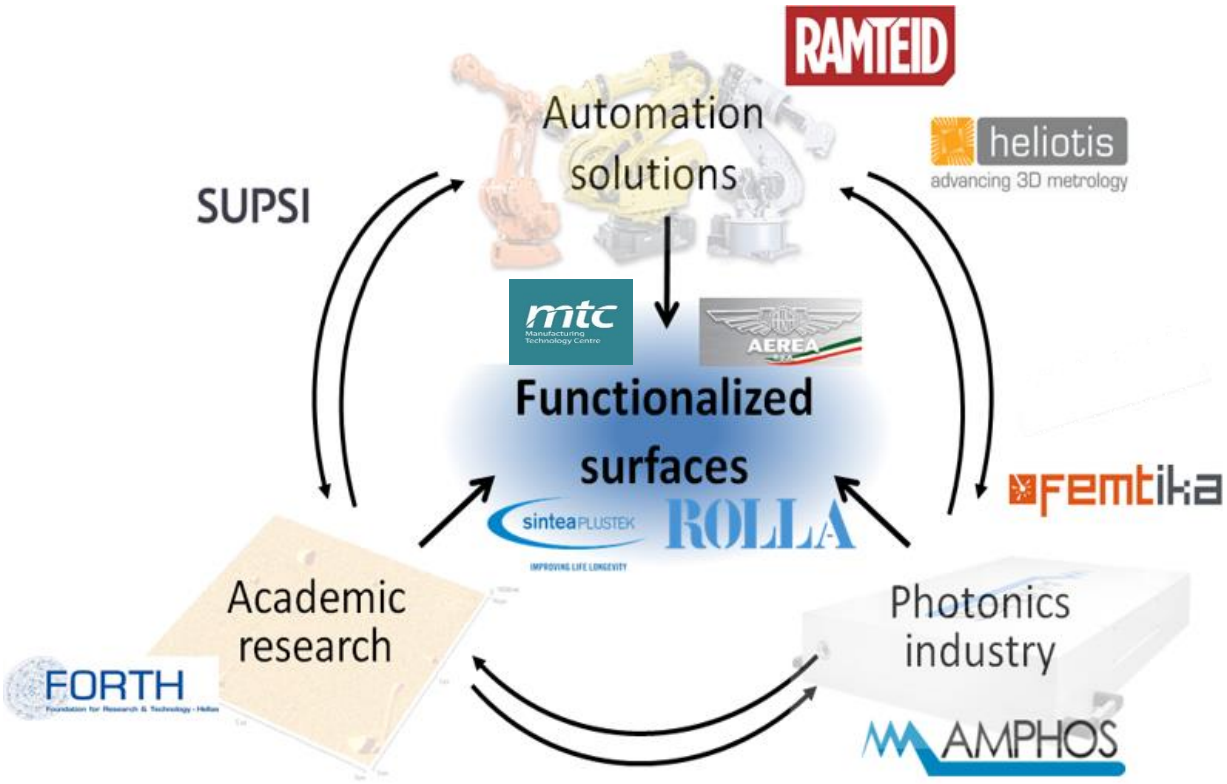
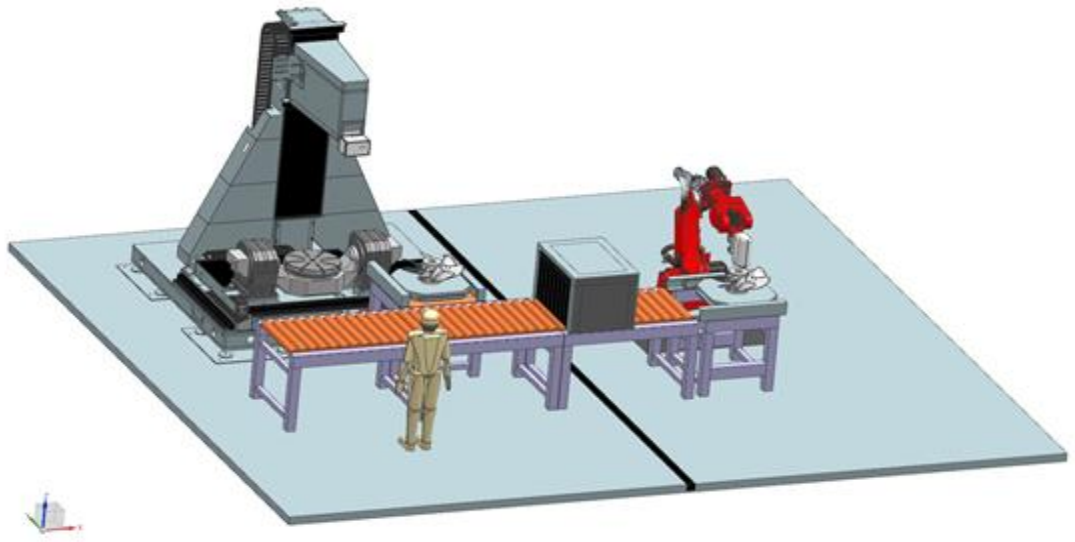
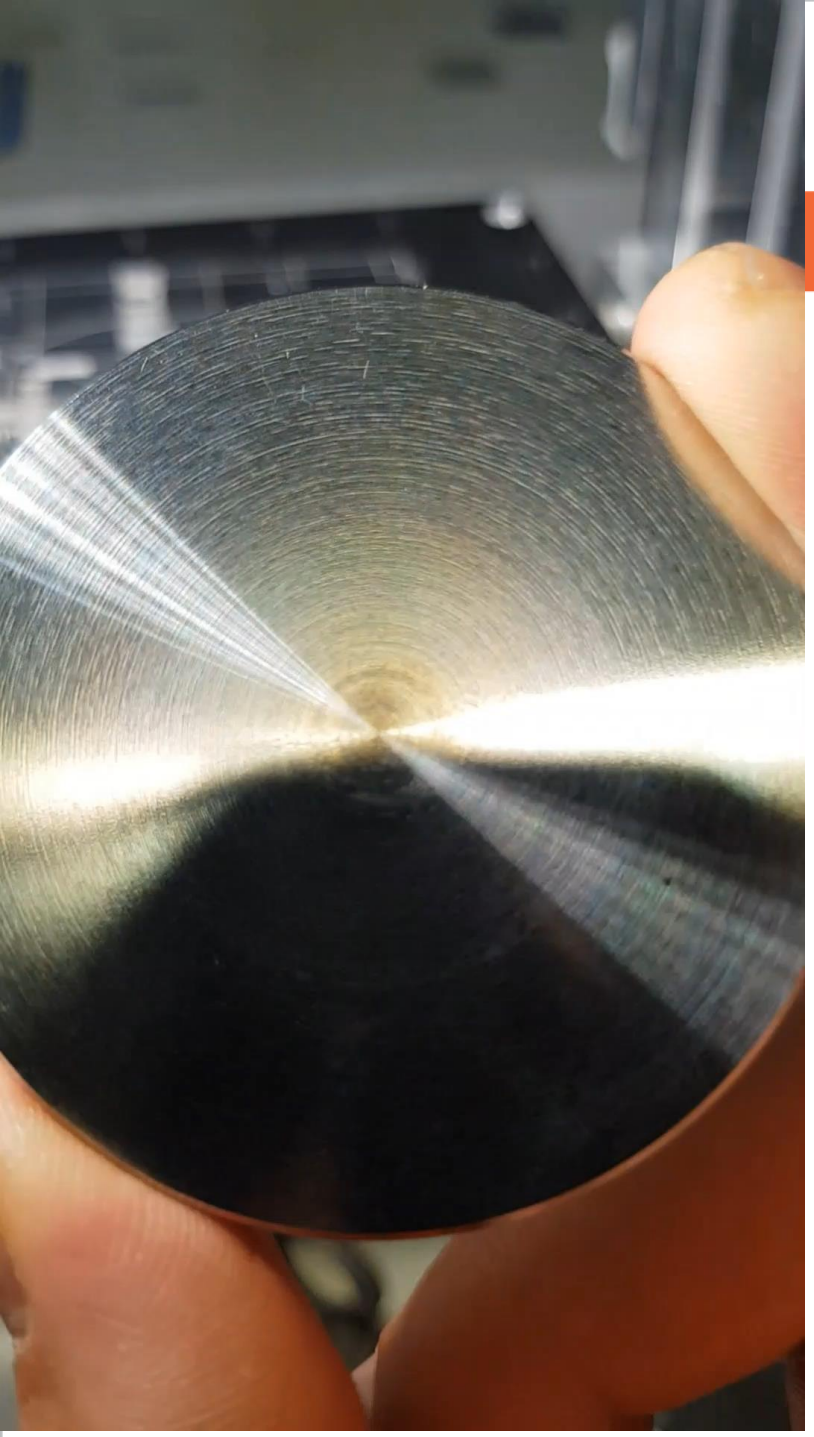



Project start: 2019.01.01

www.femtosurf.eu

Project reference: 825512





FEMTOSURF

15W av. Power laser structuring speed 20 $mm^2$/sec.

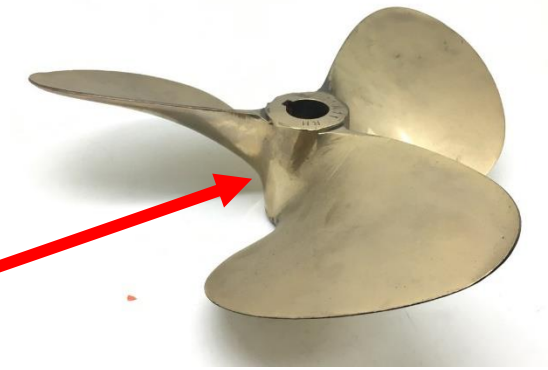
Applicable only in lab testing.

300W av. Power laser structuring speed 400 $mm^2$/sec.

Applicable in structuring medium sizes, e.g. medical implants.

2kW av. Power laser structuring speed 2500 $mm^2$/sec.

Applicable in structuring large sizes, e.g. boat propellers.



# THANK YOU!

***Questions?***

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