

# Fyeld .ONE

Precision Laser Patterning System for Advanced Micro- and Nanostructuring

**Revolutionizing Micro- and Nanostructuring**



**One device...  
countless possibilities**

Photonics | Materials | Sensing



Spectroscopy

Waveguides

Photonic crystals

Photovoltaics

Integrated optics

Materials research

Astronomy

Optical filters

Optical encoders

Authentication patterns

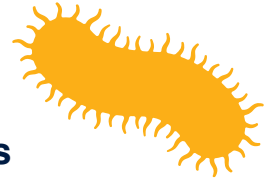


Multifunctional surfaces

Biomimetics

Plasmonic devices

Antibacterial surfaces



Add your own



## One device... countless possibilities.

## Features



### Fully automated

Controlled via  
PC application.



### Tabletop system

Compact design  
600 x 900 x 1100 (mm).



### Large areas

Up to 50 mm x 50 mm  
or 2 inches.



### Multi-exposure

Countless possibilities  
with multi-exposures.



### User-friendly

Intuitive setup with  
seamless performance.



### Plug and play

Insert sample,  
the rest is automatic.



### Wide period range

250 nm to 1600 nm  
in a single exposure.



### Pattern simulation

Simulation software  
included in the app.



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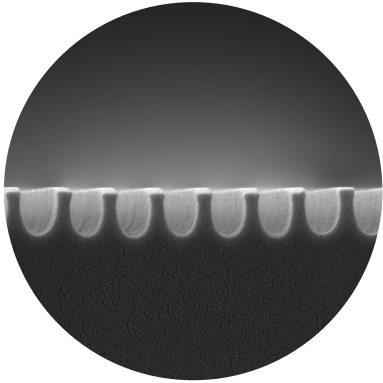


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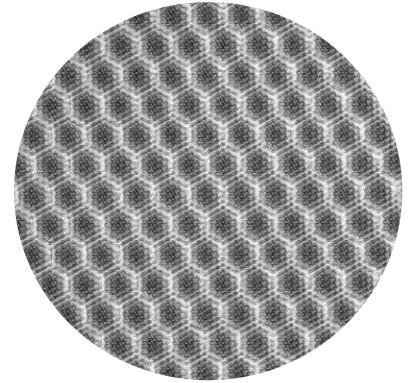
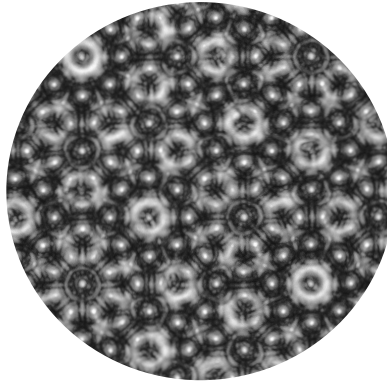
# Real structures made on Fyeld.one



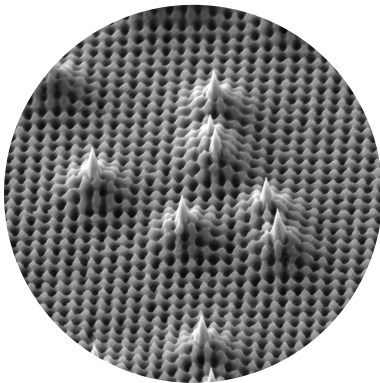
Quasi-periodical  
2D structure



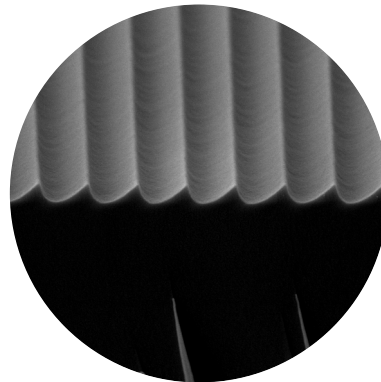
High quality 1D  
uniform grating



Moiré multi-periodicity  
2D structure



Uneven surface structuring



1D blazed grating

Next one could be yours!



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