

EPIC Online Technology Meeting on Lighting for Automotive

# Nanoimprint Lithography

## Scaling from Master Template to Multiple Imprints

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# EVG Tools | From Master Template to Multiple Imprints



Template

200/300mm Master

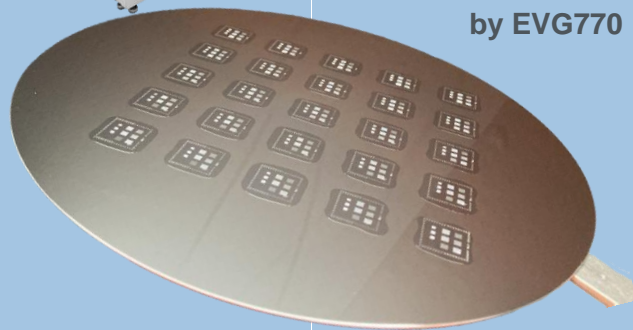
Multiple Imprints



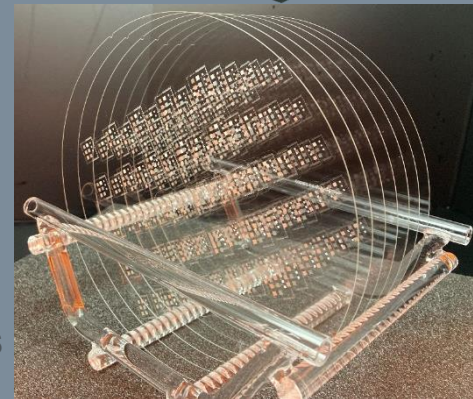
Single-die master made by e.g. 2PP



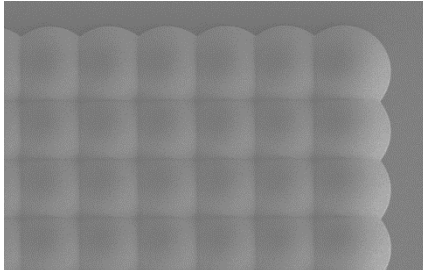
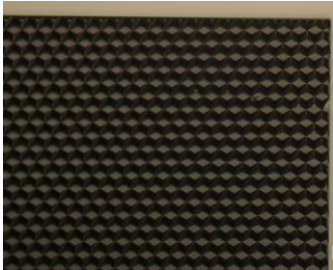
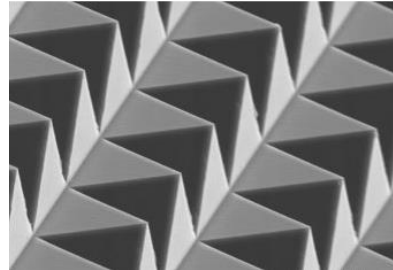
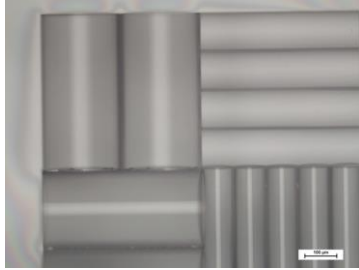
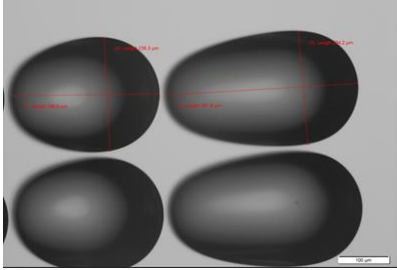
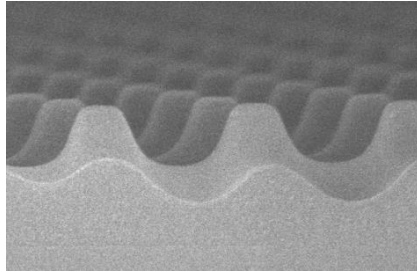
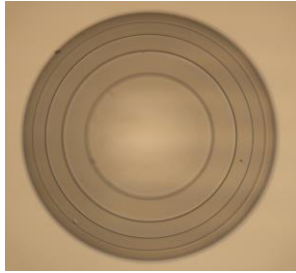
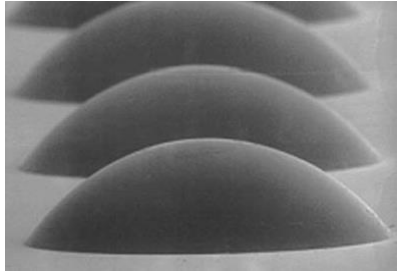
Fully populated S&R master made by EVG770



Multiple imprints made by EVG7300 or EVG HERCULES

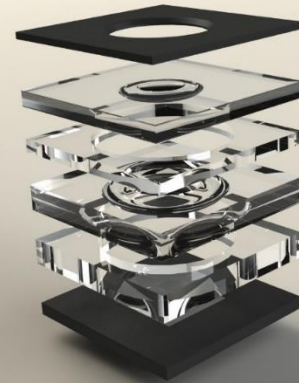


# EVG Tools | From Master Template to Multiple Imprints



EVG equipment and process capabilities

- Precisely controlled **multistep process**: cleaning, coating, alignment, contacting and UV-curing on wafer level
- Processing wafer sizes from 2" to 12" (**300mm**)
- Manual to fully automated tools
- **Shape insensitive** and efficient replication of complex structures → resolution down to single nanometer range

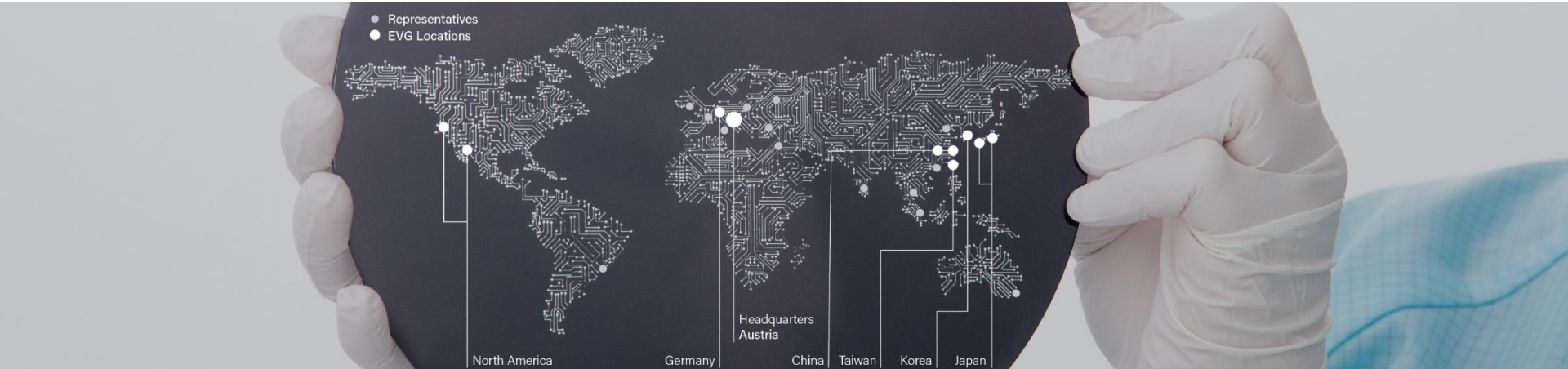


Source: EVG and Nanoscribe



# Thank you!

Andrea Kneidinger, Business Development Manager



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