

LEXINGTON[®]

Printed Circuit Technology

**STATE-OF-THE-ART PCB TECHNOLOGIES
FOR SOPHISTICATED
ELECTRONICS**



Agenda

- Intro LEXINGTON®
- Why LEXINGTON®?
- Our Focus
- Technical capabilities
 - Ultrathin PCB
- Material and product display
- Certificates
- Contact

THE WORLD OF PCB

Development and production of circuit boards and printed circuit boards for industry

Intro LEXINGTON®

- Specialized for 20 years in the fields of:
Development, customization, production, acquisition,
marketing and sales of electronics
within Europe and the Middle East.
- Specialized in the development and production of Printed Circuit Board Technology (PCB) since 2008.
- Experienced engineers in Germany
- Modern factories in Asia
- Network of national and international partners
- Compliance with European legal directives
- With our office in Taiwan + China, responsible for quality control and data preparation, we see ourselves as a perfect link between Europe and Asia. Due to these locations, we can act flexibly and adapt specifically to the circumstances.

LEXINGTON®

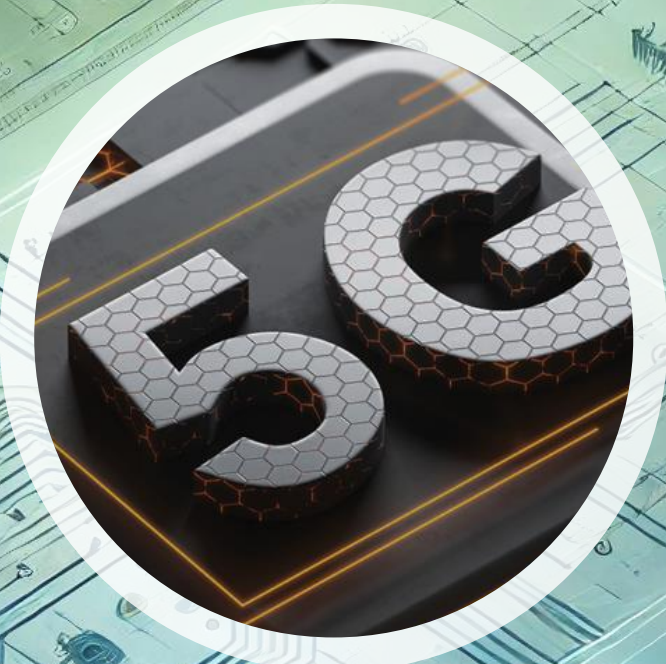
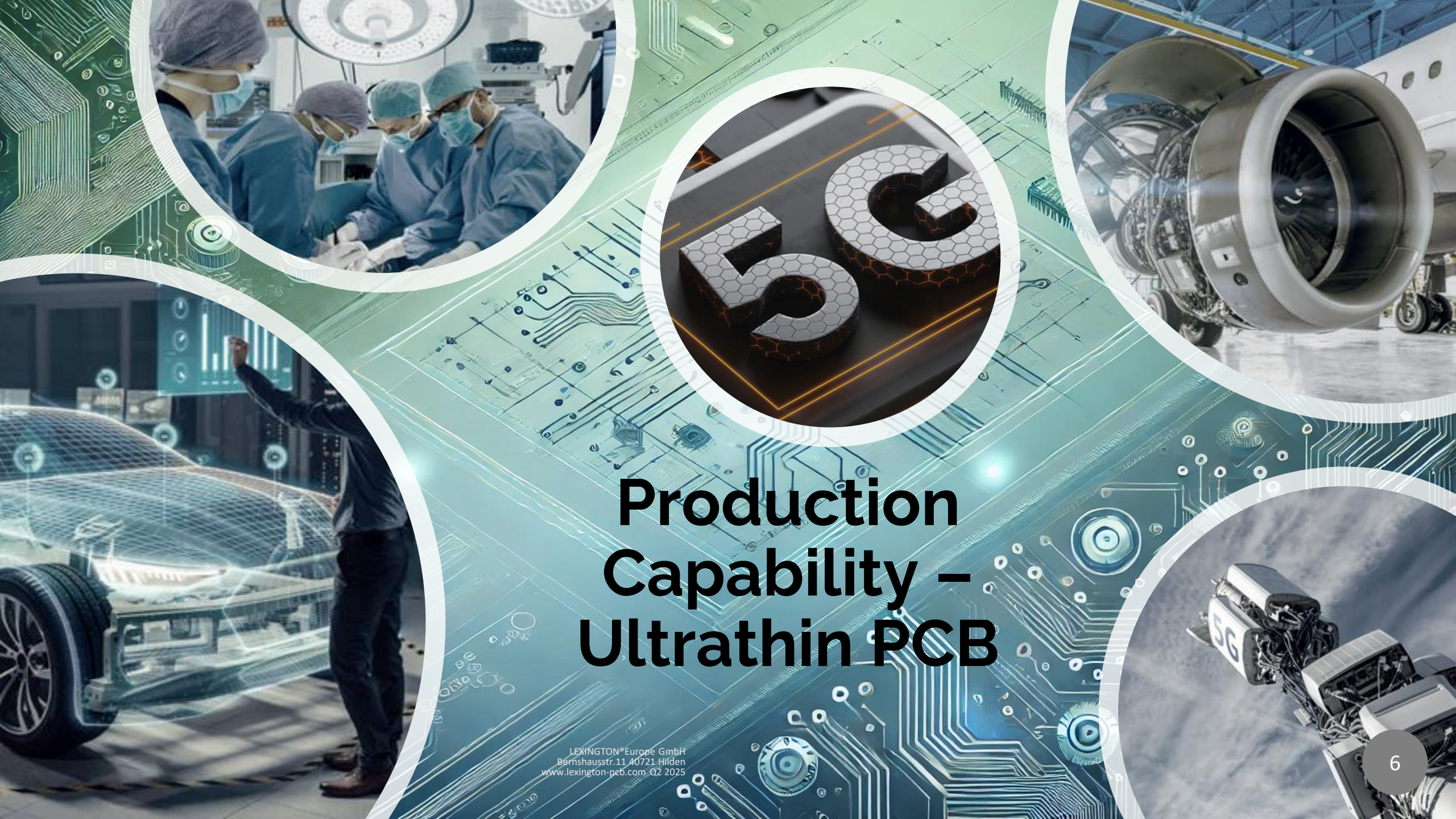
INNOVATIVE CIRCUIT BOARDS
FOR **AUTOMOTIVE, MEDICAL;
LIGHTING, ELECTRONICS,
COMMUNICATIONS AND
MORE...**

- Quotations in <48 hours
- Direct contacts in Germany
- DFM (layout review in house)
- Data processing in max. 3 days
- Samples in 14 WD
- Flexible logistics
- Quality control in factory
- Data preparation at LEXINGTON® Office China
- Batch marking
- Lot Definition

LEXINGTON®

FOCUS ON
MANUFACTURING

- IC package substrate PCB
- Micro vibration motor ultrathin circuit board
- MEMS Ultrathin PCB
- 5G RF & Microwave PCB

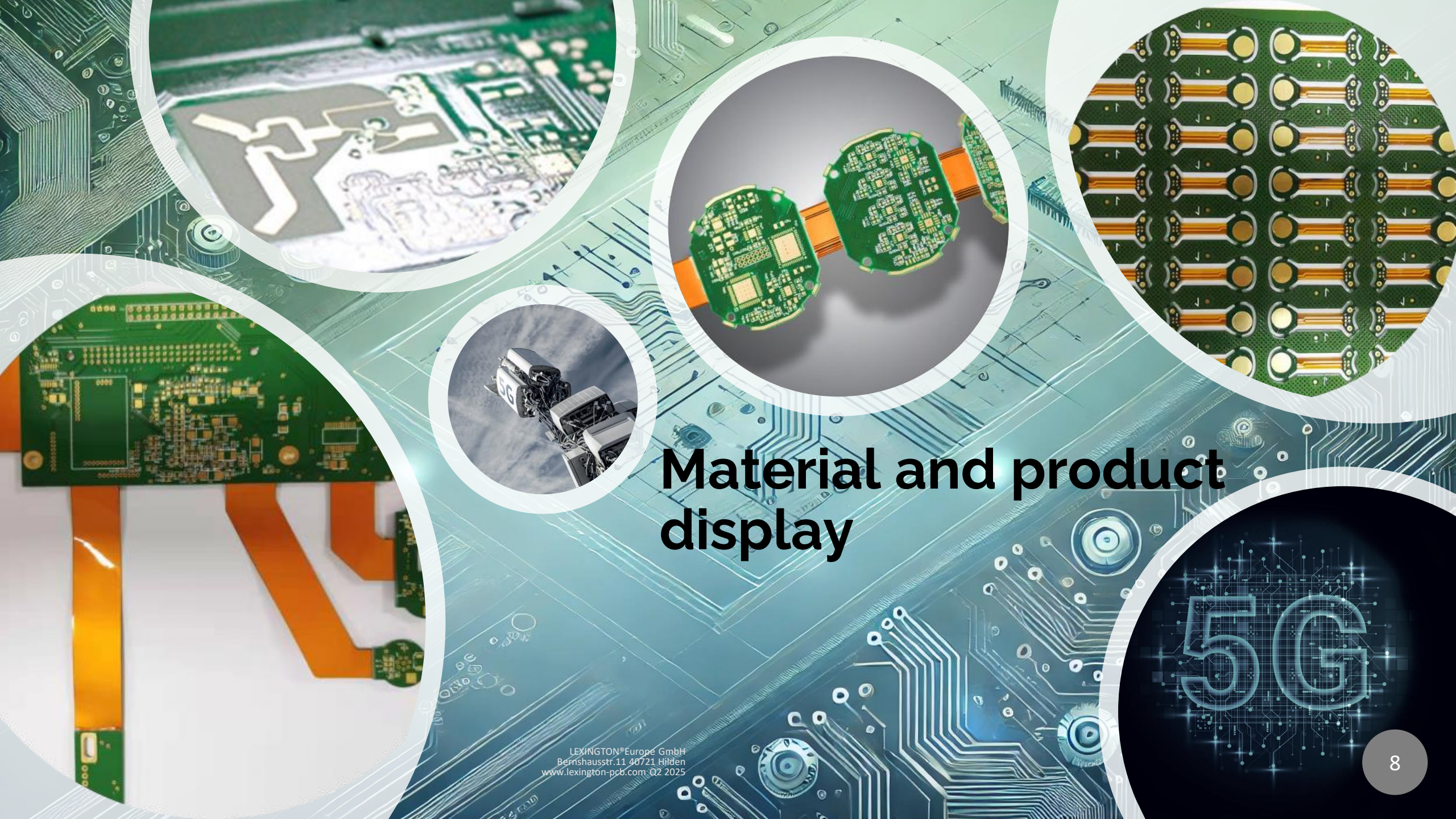


Production Capability – Ultrathin PCB

Production Capability

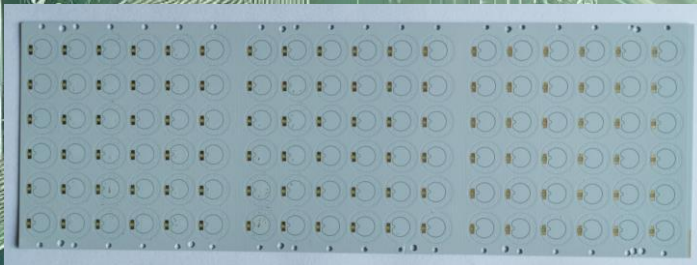
Ultrathin PCB

Item	Capability
Material	High frequency high speed (Roger Series, ShengYi)
Min Thickness	100um(2L),180um(4L),260um(6L)
Min Hole/PAD	100um/220um
Min Blind Hole/PAD	55um/115um
Min Width/Space	25um/25um
Surface Finishing	Gold Plating (40U"), Nickel and palladium Immersion Gold/ Tin/ Silver; OSP
Technology	Tenting,Etch back,MSAP



Material and product display

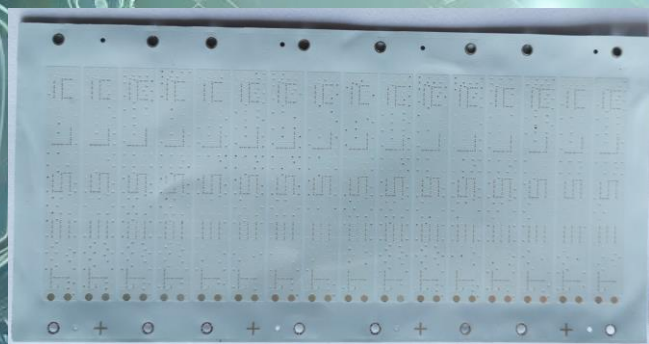
LEXINGTON®Europe GmbH
Bernshausstr.11 40721 Hilden
www.lexington-pcb.com Q2 2025



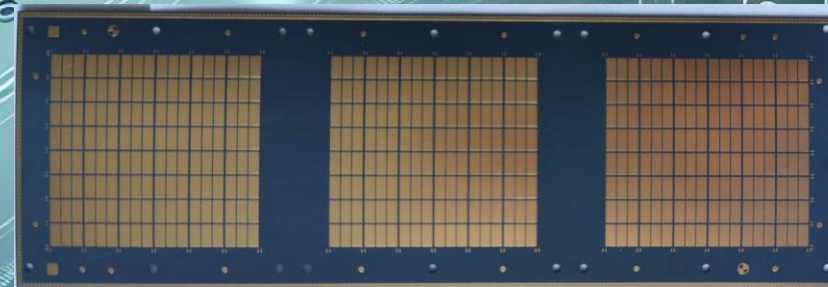
Mutual Inductance Chip Ultrathin PCB



The Precision Keyboard Ultrathin PCB



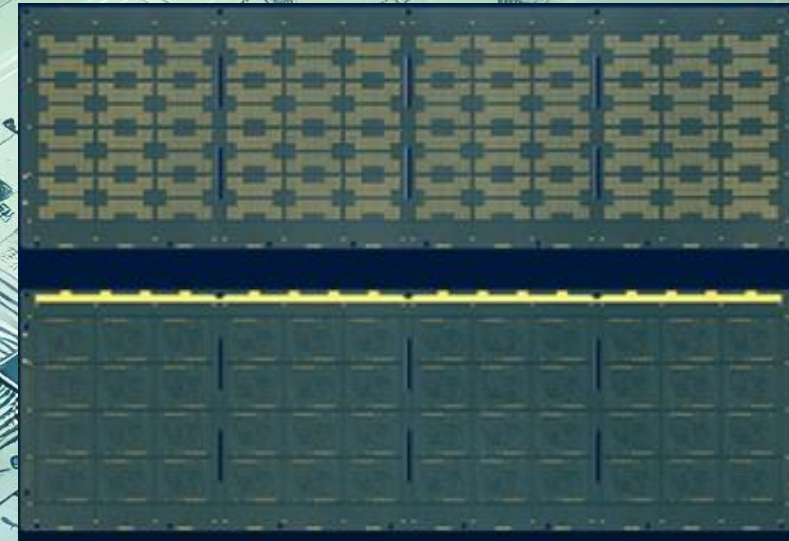
E-Car Touch sensor Ultrathin PCB



Storages Ultrathin PCB

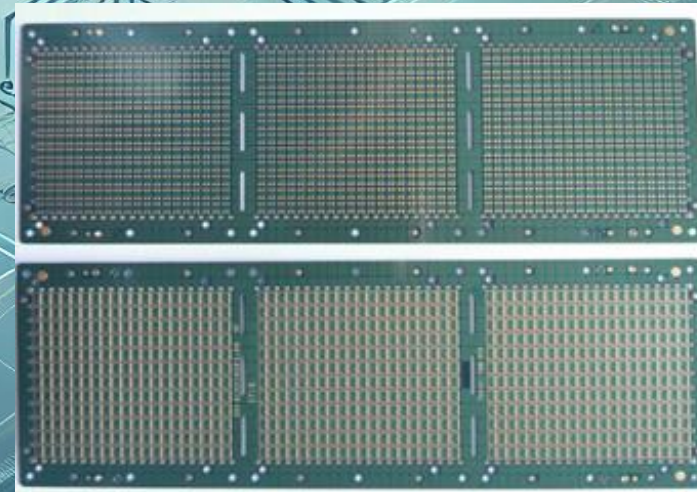
CSP Ultrathin PCB

- **CSP: Thickness 0.15-0.25mm**
- **Mounting : Aluminum wire Bonding**
- **Surface Finishing : ENIG AU 0.02u, NI : 4um**
- **Plug the Solder Mask Ink**



MEMS Ultrathin PCB

- **Mounting : SMT**
- **Gold thread encapsulation**
- **Surface Finishing : ENIG AU 0.02um, NI : 4um**
- **VIA : Resin Plug Hole**



5G RF & Microwave PCB

- **Material** : Hitachi MCL-BE-67G, $ER < 4.4$
- **Surface Finishing** : ENIG 3U"
- **VIA** : Resin Plug Hole
- **Tolerance** : ± 0.01



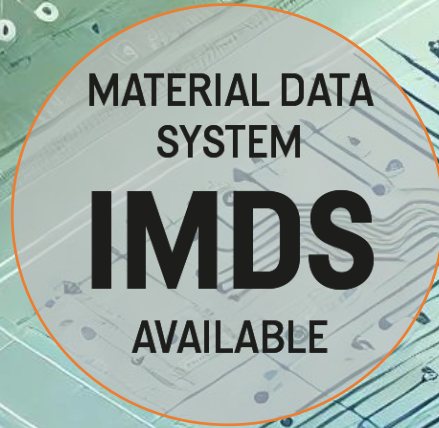
Vibration Motor PCB

- **Material** : FR4 TG170
- **Surface Finishing**: ENIG2U"+ Carbon ink
- **Holes** : Resin Plug Hole



CERTIFIED TECHNOLOGY

The quality of our printed circuit boards is reflected in the following certifications and memberships.



Questions?

Contact

- Dipl. Ing. Abbas Ashkan
- Phone 02103/9956931
- E-Mail abbas.ashkan@lexington-pcb.com
- info@lexington-pcb.com