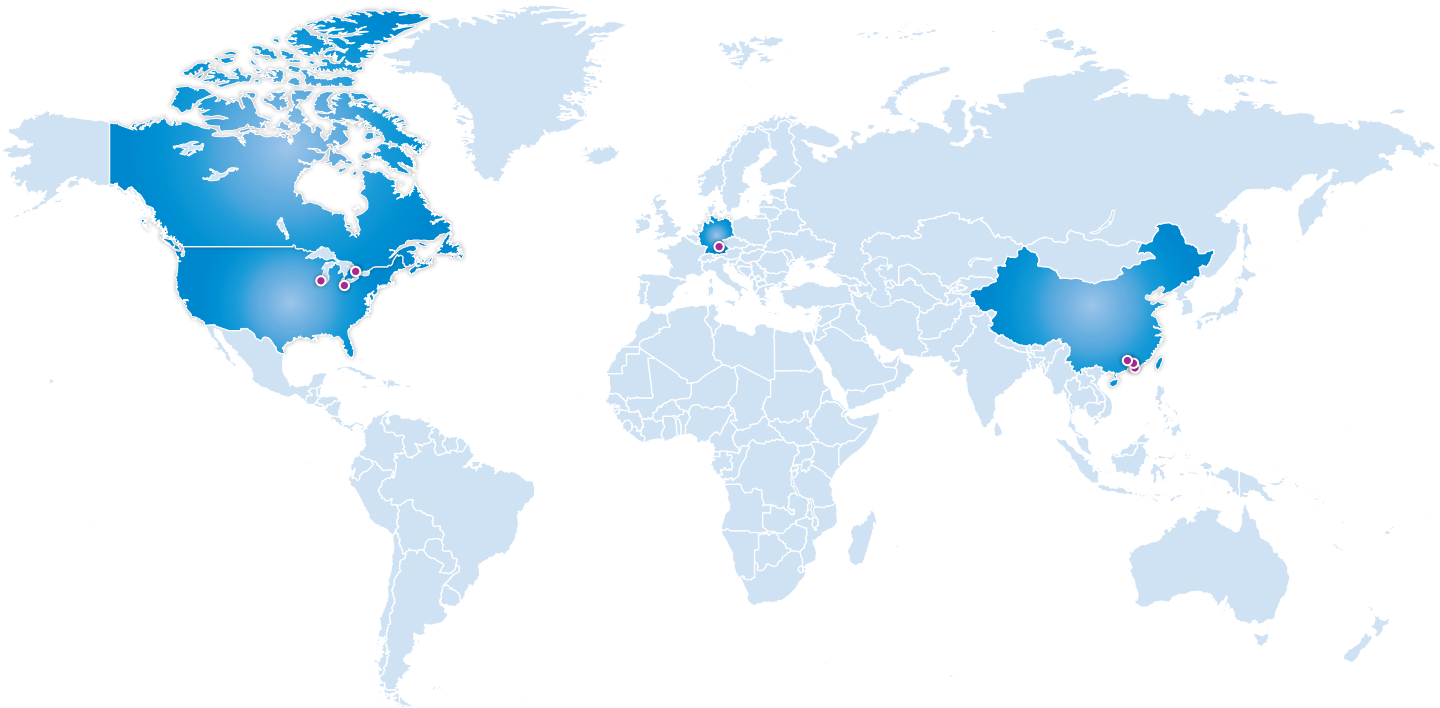


# Locations



## USA

**LAGRANGE, OHIO, USA**

MANUFACTURING FACILITY  
110 Commerce Drive  
LaGrange, OH 44050, USA  
+1 440-284-2500

**CHICAGO, ILLINOIS, USA**

SALES / CUSTOMER SERVICE  
905 Lakeside Drive, Unit 1  
Gurnee, IL 60031, USA  
+1 847-855-9600

## Asia

**DONGGUAN, GUANDONG, CHINA**

MANUFACTURING FACILITY  
Block A, Plainvim Industrial Park,  
Dongkeng Avenue, Dongkeng Town  
Dongguan City, Guangdong, PRC, 523455  
中国广东省东莞市  
制造基地  
东坑镇东坑大道平谦工业园A栋, 523455  
+86 769 8101 5368

## Canada

**MARKHAM, ONTARIO, CANADA**

MANUFACTURING FACILITY  
195 Royal Crest Court  
Markham, Ontario, Canada L3R 9X6  
+1 905-479-6203  
1-800-965-4446

## Europe

**NÜRNBERG, BAVARIA, GERMANY**

SALES / CUSTOMER SERVICE  
Fürther Str. 27, 90429  
Nürnberg, Germany  
+49 911 28 70 70 82

**SHENZHEN, GUANDONG, CHINA**

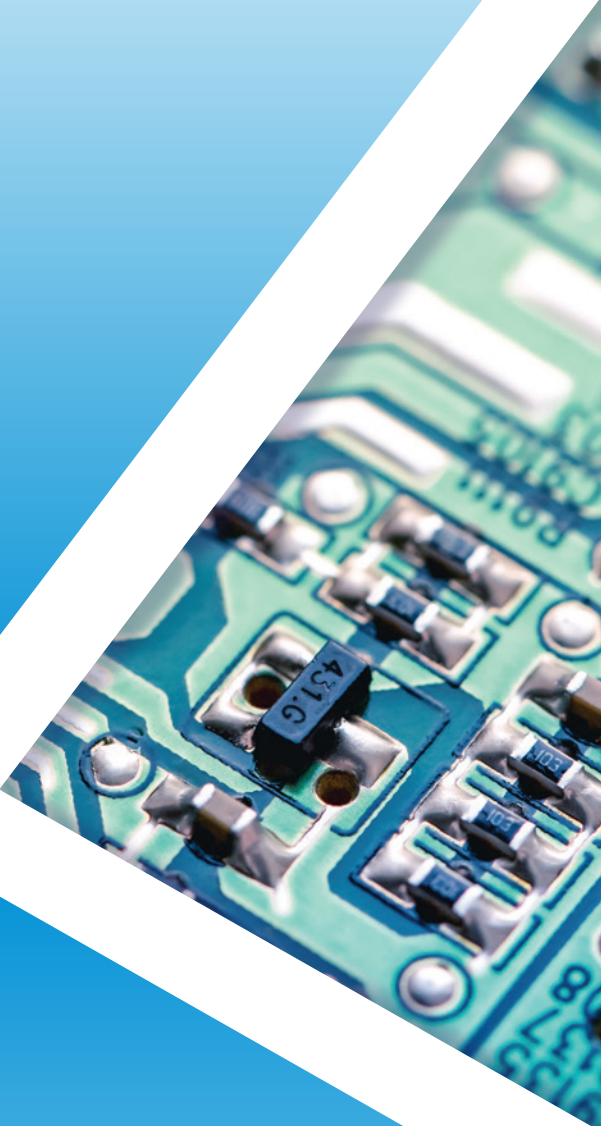
MANUFACTURING FACILITY  
2/F, Block AD, Gao Xinqi Science and  
Technology Park  
Liuxian 1st Road, District 67, Bao'an  
Shenzhen, PRC, 518101  
中国广东省深圳市  
制造基地  
深圳市宝安区67区留仙一路高新科技园  
AD栋2楼, 518101  
+86 755 8178 2688

**HONG KONG**

GLOBAL LOGISTICS  
6/F, China Aerospace Centre  
143 Hoi Bun Road  
Kwun Tong  
Kowloon, Hong Kong  
中国香港  
全球物流  
香港九龍觀塘海濱道143號航天科技中心6樓  
+852 2304 7900

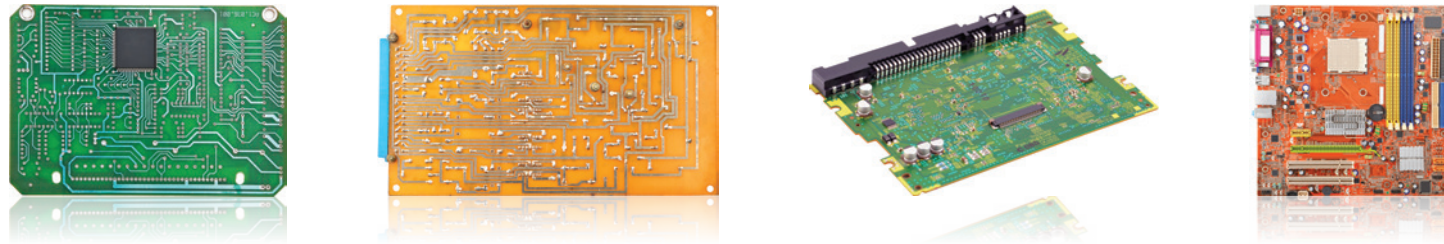
# Printed Circuit Board Solutions

- Rigid Circuits
- Flex Circuits
- Rigid-Flex Circuits



# Printed Circuit Board Solutions

As a buyer or design engineer, your challenge is to find high quality, competitively priced printed circuit boards and interconnect solutions for your end product. With over 25 years of experience in PCB technology, design optimization, and manufacturability, Vexos' dedicated team of PCB professionals will provide you with the most innovative and cost-effective solutions for your front-end design through mass production.



## Competitive Prices

Our experienced team of PCB professionals works closely with state-of-the-art manufacturing partners to offer the most competitive prices in the market while ensuring that all boards are built to global quality standards. With extensive knowledge of industry requirements and specifications, the Vexos PCB team will also assist with design and engineering specifications to improve feasibility and manufacturability and help identify cost reduction opportunities.

## Advanced Technology

From standard technology to complex, high-density circuits incorporating the latest technology, Vexos will keep you up-to-date with cutting edge advancements available in the market today.

- Conventional rigid circuits
- Rigid circuits with buried via holes and blind via holes
- HDI rigid circuit with 1+n+1 / 2+n+2 / 3+n+3 laser drill
- Flex circuits

- Rigid-flex circuits
- Metal, aluminum, copper, ceramic and steel-based PCBs
- Heavy copper and bondable PCBs

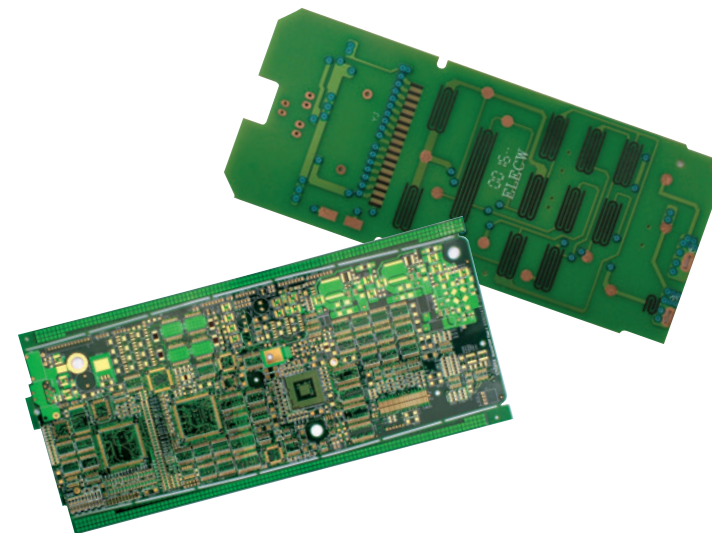
## Capabilities

- Rapid prototyping
- Rigid boards from 1 to 36 layers
- Flex circuits from 1 to 6 layers
- Controlled Impedance: +/-8%
- Thin laminate capability down to 4 mil
- HAL, lead-free HAL, Flash gold, ENIG, ENEPIG, gold finger plating, selective gold plating, Entek, immersion tin, immersion silver surface finishes
- Silver ink through holes, silver and carbon ink jumper, carbon printing, peelable solder mask
- Materials: CEM-1, CEM-3, FR-1, FR-2, FR-4, FR-5 (High Tg), High Tg Material (Tg = 180° C), BT, Rogers, Megtron, ISOLA, polyamide, and ceramic material
- Finished board thickness: 0.25 mm / 0.010 inch to 7.0 mm / 0.275 in
- Copper Thickness up to 10 oz
- Hole size: 0.1 mm/0.004 inch minimum (4 mil)
- Trace size: 0.076 mm/0.003 inch minimum (3 mil)
- Trace spacing: 0.076 mm/0.003 inch minimum (3 mil)
- Aspect ratio: 12:1

## Equipment

Our quality equipment includes:

- Optical projectors
- X-Ray metal thickness measuring equipment
- Flying Probe Tester
- Universal electrical tester
- Omega meter
- AOI equipment
- Micro-section equipment
- Humidity chamber
- Impedance tester
- Contamination tester
- Bonding machine
- TDR equipment
- Hi-pot test equipment
- AA spectrum measurement
- Capacitance meter
- X-ray fluorescence inspection equipment
- Reflow oven
- Auto E-tester
- CMI 700 copper thickness tester
- Peel strength tester
- Gel-time tester
- IST tester
- RoHS XRF tester
- DSC tester



## Dependable Quality

We achieve the highest quality levels by utilizing the latest equipment, processes, quality standards and certifications throughout our organization.

We have instituted a problem prevention methodology at Vexos that allows us to flawlessly launch and sustain your project:

- Rigorous selection of sub-contractors or partner factories
- Performance evaluation and monitoring through regular audits of the factories
- Continuous training for personnel at all levels
- Document control to safeguard your data and release of technical documents
- Sample approval process including production part approval process (PPAP)

## Certifications

- ISO 9001:2008
- ISO 13485:2003
- ISO 14001:2004
- TS 16949:2009
- OHSAS 18001:2007
- RoHS and Non-RoHS
- ITAR & UCNI compliant
- FDA certification

## Industries We Serve

