

# VEXOS

Local Service. Global Capabilities.

## **ELECTRONICS MANUFACTURING SOLUTIONS & INTEGRATION SERVICES**



## A Complete Range of Services & Solutions.

VEXOS is a full service, high-mix, high complexity, mid to low volume global Electronics Manufacturing Services (EMS) and Custom Material Solutions (CMS) company, providing complete end-to-end supply chain management solutions in electronic and mechanical products for Original Equipment Manufacturers (OEMs).

Innovative business practices and state-of-the-art global facilities have made VEXOS a leader in the delivery of electronics manufacturing services (EMS).



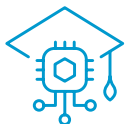
### Responsiveness and Flexibility

With a strong customer-centric culture which is formed around the principles of responsiveness, flexibility and entrepreneurialism, we at VEXOS pride ourselves on our ability to meet and exceed customer expectations. We provide customized deployment of our capabilities augmented by the executive team that values direct communications and interaction with our customers.



### Innovative Solutions and Services

From NPI through to Product Launch, Mass Production and Sustaining Production phases, VEXOS' unique and innovative hybrid manufacturing solutions create options best suited to your markets, by utilizing the strengths of each of our global sites to effectively support your product through its entire lifecycle.



### Commitment to Quality

VEXOS is dedicated to developing robust, integrated solutions that excel in creating customer value and satisfaction. We develop, maintain and continually improve effective and efficient processes to ensure excellence in on-time delivery and the quality of our products and services. VEXOS is committed to meeting customer and applicable regulatory and quality management system requirements. Globally, all our manufacturing facilities are accredited to the ISO 9001: 2015 and ISO 13485: 2016 quality standards, ensuring product and services of the utmost quality.

## Let the numbers speak!



CUSTOMERS  
global OEMs

**300+**



EMPLOYEES  
globally

**1100+**



MANUFACTURING  
FACILITIES  
USA, Canada, Mexico,  
China & Vietnam

**5**



TOTAL SQ. FT.  
across all locations

**300,000+**

## Solving Technology Challenges by Delivering Sustainable Solutions

From New Product Introduction to Custom Material offerings through to steady state production, we deliver focused solutions tailored to the product lifecycle, enabling our customers' success. VEXOS delivers through front end Value Engineering offerings, Custom Material Solutions, our Global Manufacturing footprint and sophisticated Supply Chain Management services.

### NPI & DFX SOLUTIONS THROUGH TO MASS PRODUCTION SERVICES

#### PROGRAM HIGHLIGHTS:

VEXOS engaged with European entity to design and Manufacture Pressure-regulated Mechanical Ventilator for Government of Canada to combat COVID-19. This was produced in collaboration with the Canadian Nuclear Laboratory, with strong engineering and NPI services which supported the project from design to delivery.

#### VEXOS VALUE ADD SOLUTIONS

- Early Design Engagement
- Quick Turn Velocity Prototyping
- NPI to Full Production support
- PCB Sourcing with DFF support
- First Article and Bring up support
- ICT, Leak and Pressure Tester and FCT Fixture Development
- PCB Assembly & Test and Full Box Build
- Test Development (Leak and Pressure, Static, Dynamic, Electrical Safety and Run-In Test)
- Reverse Logistics
- Custom Material Services
- Value Engineering Services (DFA)
- EOL component sourcing support

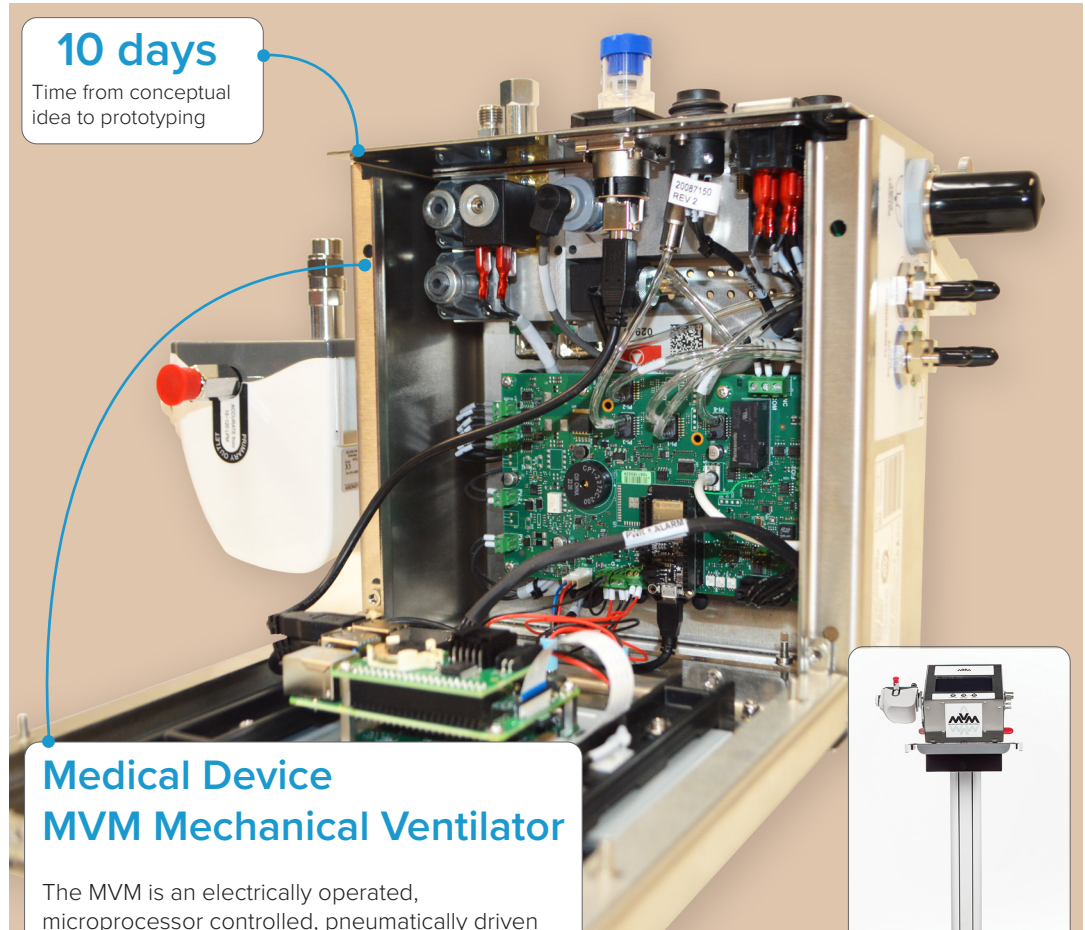
**VEXOS was able to provide the customer with a localized NPI & DFX solution for new product development with a solid pathway to establishing a low-cost solution for future production and development.**

**10 days**

Time from conceptual idea to prototyping

### Medical Device MVM Mechanical Ventilator

The MVM is an electrically operated, microprocessor controlled, pneumatically driven ventilator. It is designed for the treatment of adult patients suffering from respiratory failure due to COVID-19 who require temporary or longer-term invasive ventilatory support.

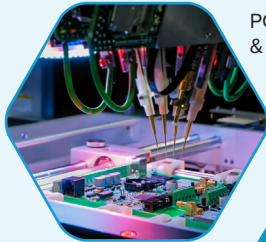




# Our Divisions

## Global Manufacturing Solutions

The Global Manufacturing Solutions division provides **manufacturing services** and **engineering solutions** to our customers that often require a **high-mix, high complexity, mid to low volume** of different products. We manufacture complex integrated product assemblies for our customers and provide engineering services, including **design support solutions** and **value engineering**.



PCB Assembly  
& Testing

Value Engineering



Full Turn-Key Electronic  
Manufacturing Services



VEXOS, along with its **Electronics Manufacturing Services**, also specializes in providing **Custom Material Solutions (CMS)** for Original Equipment Manufacturers (OEMs).

From the simplest component to the most intricate assembly, VEXOS is committed to offering our customers the highest quality electro-mechanical component solutions for a diverse group of industries including medical, industrial, consumer electronics, automotive, LED lighting and more.

## Services & Solutions

|  |  |
|--|--|
| Engineering & Design Support                     | <ul style="list-style-type: none"><li>• Design Support Services</li><li>• Value Engineering (DFx)</li><li>• Advanced Rapid Prototyping</li><li>• New Product Introduction (NPI)</li><li>• Test Development &amp; Implementation</li><li>• Product Lifecycle Management</li></ul> |
| Electronics Manufacturing & Integration Services | <ul style="list-style-type: none"><li>• Printed Circuit Board Assembly (PCBA)</li><li>• Cable Harness &amp; Interconnect Assembly</li><li>• Systems Assembly &amp; Box Build Services</li></ul>  |
| Specialty Services                               | <ul style="list-style-type: none"><li>• Coatings, Pottings and Encapsulations</li><li>• Environmental and Reliability Testing</li></ul>  |
| Global Supply Chain Management                   | <ul style="list-style-type: none"><li>• Bill of Materials (BOM) Health Analysis / Obsolescence Management</li></ul>  |
| Fulfillment Services & Global Logistics          | <ul style="list-style-type: none"><li>• Configuration to Order</li><li>• Vendor Managed Inventory (VMI)</li></ul>  |
| Global Manufacturing Facilities                  | <ul style="list-style-type: none"><li>• USA, Canada, China &amp; Vietnam</li></ul>   |

# Our Divisions

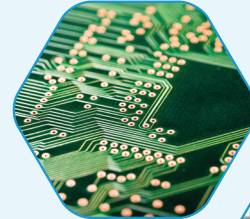
## Custom Material Solutions and Commodity Sourcing

The Custom Material Solutions division works with customers to source, develop standard and customised solutions which include **PCB Fabrication, Electro-Mechanical Components, Injection Molded Plastics, Metal Fabrication and Cable Assembly and Wire Harness.** Our solutions improve the precision, speed and reliability of critical aspects of our customers' applications.

### Custom Material Solutions

|  |  |
|--|--|
| Printed Circuit Board  | <ul style="list-style-type: none"> <li>• Single-Sided / Double-sided PCB / Multilayer PCB</li> <li>• Aluminum PCB / Thermal PCB / Heavy Copper PCB</li> <li>• RF/Microwave PCB / HDI PCB / T-Clad PCB</li> <li>• Rigid PCB / Flexible PCB / Semi-Flex PCB / Rigid-Flex PCB &amp; Back Panel PCB</li> </ul>   |
| <b>Plastics</b> <ul style="list-style-type: none"> <li>• Injection Molding</li> <li>• Special Finishing</li> </ul> | <p>All <b>Plastic Components</b> can be manufactured via the standard manufacturing processes (single, double, etc.) as well as with the help of molds. The plastic components offered by VEXOS can be made out of different resin materials. The material is usually defined by the client. VEXOS is also able to offer export molds based on different standards (DME or HASCO) according to customer's requirements</p>   |
| <b>Electro-Mechanical Components</b>   | <ul style="list-style-type: none"> <li>• Membrane Switches / Keypads / Switches &amp; Parts</li> <li>• Touchscreens</li> </ul> <p>VEXOS offers a wide range of LCD Offerings: from LCD glass to complete LCD modules. We can provide you with the latest technologies such as OLED and TFT. The structure of a LCD Panel is composed of: Glass indium tin oxide (ITO), Polarizer (Upper &amp; Bottom), Liquid Crystal and connector, Silicon Keypads and Parts</p>             |
| <b>Metal Fabrication</b>   | <ul style="list-style-type: none"> <li>• Heatsinks / Stamping / Die-Casting &amp; Metal Extrusions</li> </ul> <p>VEXOS provides a wide range of metal parts for different application across different sectors. Our metal partners are specialized in different technologies and mainly focus on Stamping parts, Heatsink and Extruded parts. Heatsink and other heat dissipation solutions are used to dissipate the heat generated by an electronic or mechanical device</p> |
| <b>Cable &amp; Harness Assembly</b>  | <p>VEXOS offers the highest quality cable assembly equipment and processes. Our cable assembly services include: <b>AC power cable assembly, headphone assembly, generic assembly, custom over-molded solutions and high-end RF cables assembly, RF antenna assembly,</b> medical cable, automotive cable/wire harness, custom cable/wire harness and more.</p>  |

PCB Fabrication



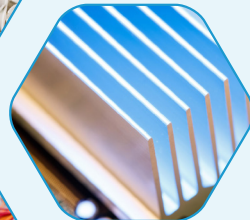
Plastic Components



Electro-Mechanical Components



Metal Fabrication



Cable & Harness Assembly



# Markets We Serve

VEXOS offers a wide variety of end-to-end product lifecycle solutions for customers in many diverse industries. Our expertise gives us the resources necessary to support our customers in bringing their products and designs to market in a timely manner — gaining a competitive advantage.



## COMMUNICATION

- Networks – Internet & Wireless
- Satellite – Maritime & Land Terminals
- IIoT Products
- Fiber Optic Communications
- Secure Communications
- Radio Frequency (RF) Applications



## INDUSTRIAL

- HVAC & Water treatment systems
- Digital Projection electronics
- High speed vision inspection equipment
- Smart-grid infrastructure
- ID/Biometrics electronics
- Environmental monitoring equipment



## MEDICAL

- Medical imaging (X-Ray, MRI equipment)
- Laboratory automation products
- Cold Chain applications
- Oxygen generation devices
- Emergency Ventilators
- Remote Diagnostics
- Vision assistive systems



## COMPUTING

- Custom ASIC Bring up and Support
- Enterprise & Datacenter Hardware
- Advanced Graphics / Server Cards
- Enterprise Video Streaming
- High Performance Computing/Artificial intelligence Solutions



## AUTOMOTIVE

- LED Lighting
- Power Distribution
- Dashboards & UI devices
- Telematic & Tracking devices
- Safety and security systems
- Aftermarket products



## AVIATION DEFENSE SPACE

- Unmanned Aerial Vehicles (UAV)
- Rugged Communication devices
- Commercial Avionics systems

# Why VEXOS?

**Executive Management Leadership:** Single source accountability and management. VEXOS structure eliminates bureaucracy - giving you reach to all decision makers

**Values Driven Company with a Global Footprint:** 25+ years experience in Electronics Manufacturing Services (EMS) capabilities with regional complex manufacturing capability, and global, low-cost country option to deliver lowest landed cost of goods

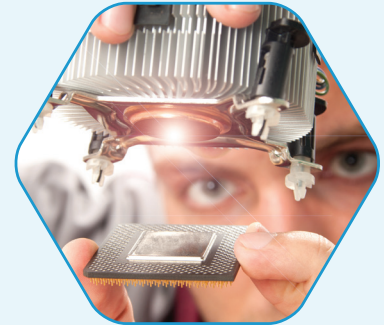
**Customer-Centric Culture:** Dedicated cross-functional customer focused teams with an emphasis on strong, long-term customer relationships

**Flexibility & Responsiveness:** Customized deployment of our capabilities to enable and accelerate customers' opportunities with a 24/7 approach to service

**Engineering & Quality:** In-depth knowledge and skills specializing in delivering quality products, with a strong focus on value engineering expertise to drive and deliver cost reduction

**Custom Material Services:** Expert Material Strategic Partners across all VEXOS manufacturing facilities

**Global Supply Chain Management & Logistics:** Complete supply chain solutions provider with Domestic Logistics & Warehousing – Kanban offerings



Operating in several locations across North America and Asia, VEXOS is a full service, high-mix, high complexity, mid to low volume electronics manufacturing and custom material solutions provider with a proven track record of supplying state-of-the-art solutions to a diverse group of OEMs and other product based companies with a strong commitment to quality.

# Connect With Us

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