

# Metal Solutions

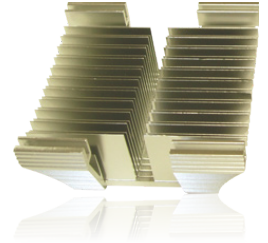
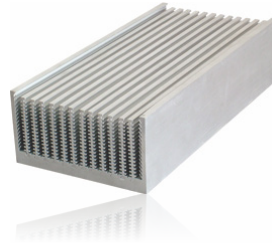
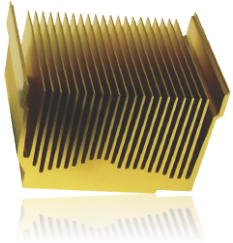
- Stampings / Enclosures
- Die Castings
- Extrusions



**VEXOS**  
Local Service. Global Capabilities.

# Metal Solutions

Vexos offers the highest quality metal products in the areas of stamping, die-casting and metal extrusions developed with the latest manufacturing technologies and supported by international quality standards.



## Stampings / Enclosures

The art of precision metal engineering and processing through cutting, forming and bending of metal, is an integral part of Vexos' ability to provide both individual components and complex assemblies.

- Materials include stamping grade, standard and surface treated steels, stainless steel, aluminum, brass and copper
- Single station stamping presses as well as progressive stamping dies provide complex features
- Production and prototype tooling allow short lead time and cost savings, for prototype-to-production run consistency
- A complete range of "secondary operations" to meet tight tolerances include CNC machining, drilling, polishing, as well as assembly services
- Surface finishes include: electrostatic spray or immersion painting anodizing, powder coating and plating including, zinc, nickel, or chrome
- Decorative application include pad printing and silk-screening

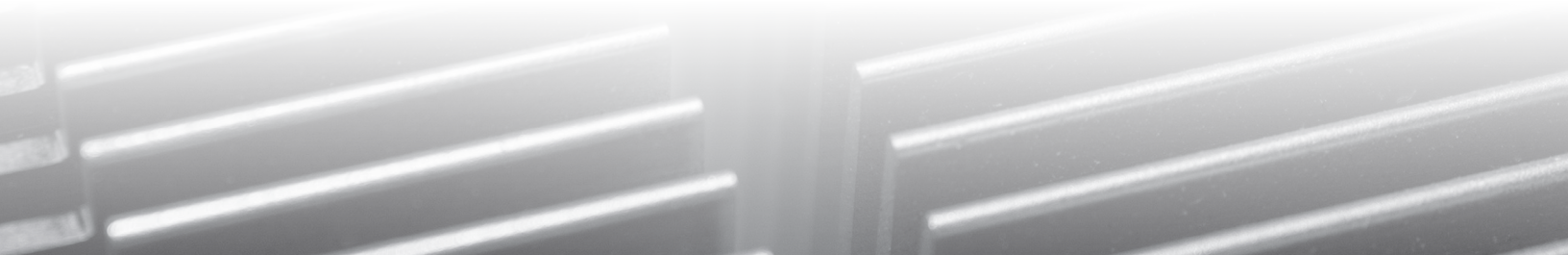
### CAPABILITIES

- Electronic and power supply chassis
- Audio and video equipment cases
- HVAC accessories
- Heat sinks for electronics
- Mounting brackets for mechanical and electronic component assemblies

## Die Castings

Vexos can help provide precision die-cast metal components meeting the most rigid specifications and industry standards. From small to large volume runs, Vexos' precision casting facilities are among the largest manufacturers of aluminum, zinc and magnesium castings.

- Materials: aluminum, magnesium and zinc
- Hot and cold chamber casting equipment
- Exceptionally designed and fabricated dies
- Maximum casting weights and size range capabilities:
  - Aluminum alloy parts: max weight — 7kg/15.43 lbs; max size — 950 sq cm/1.023 sq ft
  - Magnesium Alloy parts: max weight — 6 kg/13.23 lbs; max size — 700 sq cm/0.753 sq ft
  - Zinc alloy parts: max weight — 8 kg/17.64 lbs; max size 950 sq cm/1.023 sq ft
- A complete range of secondary equipment and processes used to convert castings into specification compliant final components and assemblies
- Secondary operations, such as drilling, tapping and CNC machining allow for component features that are not easily die-cast
- A full range of surface finishes, such as passivation, electroplating, spray painting, powder coating, micro arc anodizing, silk screen printing, as well as assembly services and consumer packaging



## CAPABILITIES

- Communications product
- Automotive industry
- Consumer electronics, such as displays for PDA, laptop, Digital cameras and LCD projectors

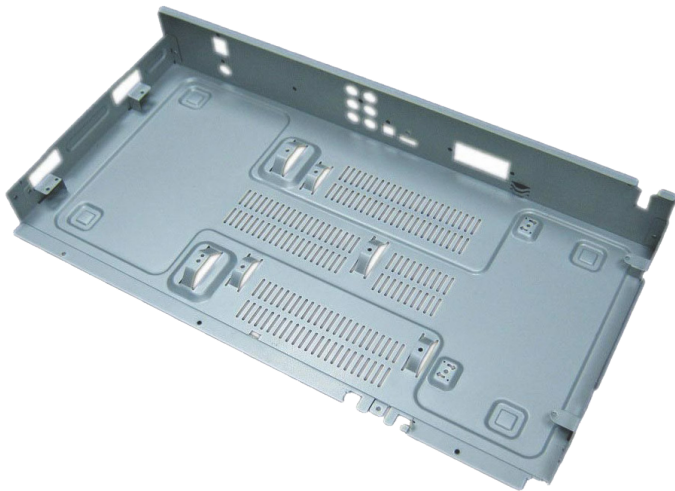
## Extrusions

Vexos' extrusion products include complex profile heat-sinks and housings, as well as structural components.

- Material: aluminum alloys
- Tooling design and fabrication
- Billet casting
- Secondary operations include stamping, drilling, tapping, grinding, brushing and CNC machining
- Custom finish options for a specific surface appearance include anodizing, chrome, painting or powder coating

## CAPABILITIES

- Automotive
- HVAC
- Medical equipment
- Housing or chassis for audio equipment component and power supplies
- Industrial controls



## Dependable Quality

Vexos achieves the highest quality levels by utilizing the latest equipment, processes, quality standards and certifications across the organization; to enable a flawless launch of each individual program.

- 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 9001:2015
- ISO 13485:2016
- ISO 14001:2015
- FDA registered
- OHSAS 18001:2007
- RoHS and Non-RoHS
- IATF 16949:2016
- CGP certification

## Markets We Serve



COMMUNICATIONS



INDUSTRIAL



MEDICAL



SMART GRID



SECURITY



AUTOMOTIVE



COMPUTING

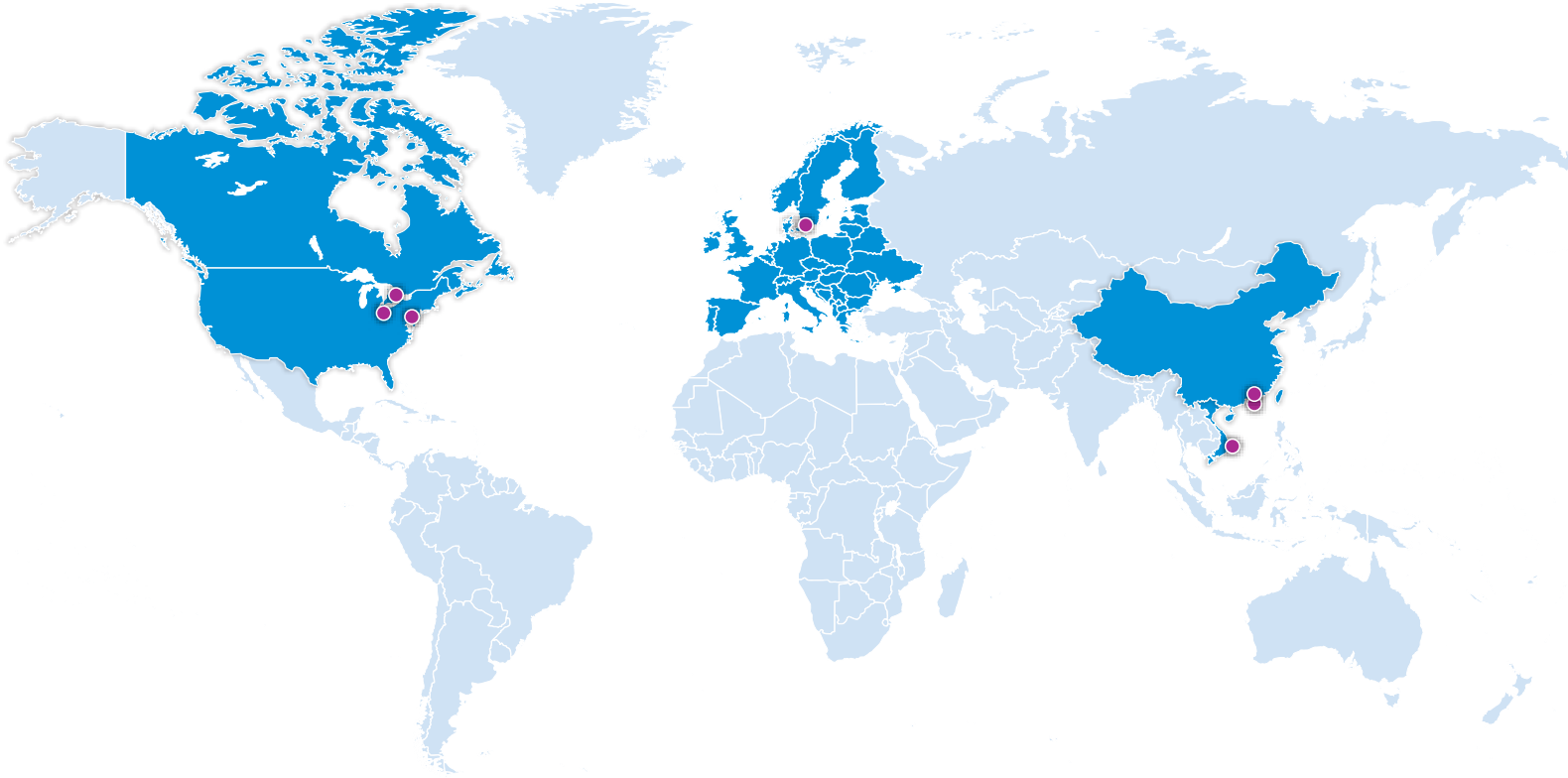


AVIATION  
DEFENSE SPACE



HVAC

# Locations



## USA

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

## CANADA

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## EUROPE

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