Locations



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Metal Solutions

- Stampings / Enclosures
- Die Castings
- Extrusions

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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 with the XO's engineering technical and project management input providing a maximum part yield
- 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 Alley 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
- HVAC
- Medical equipment
- Housing or chassis for audio equipment component and power supplies
- Industrial controls



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







INDUSTRIAL

LIGHTING



OTHER

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