

Shamrock International

Helping You Build Great Things



SHAMROCK INTRODUCTION



HYBRID MANUFACTURER

A partner with the product bundle, capacity, and flexibility of a distributor, but the application, design, and process expertise of a manufacturer

SHAMROCK INTRODUCTION



History

- Established in 1972
- Privately held

Mission

- To provide the highest quality product, on-time at the lowest landed cost
- To provide supply chain flexibility and virtual capacity
- To identify hidden design costs and manufacturing complexity and further reduce customer spend through Value Analysis /Value Engineering (VA/VE) activities

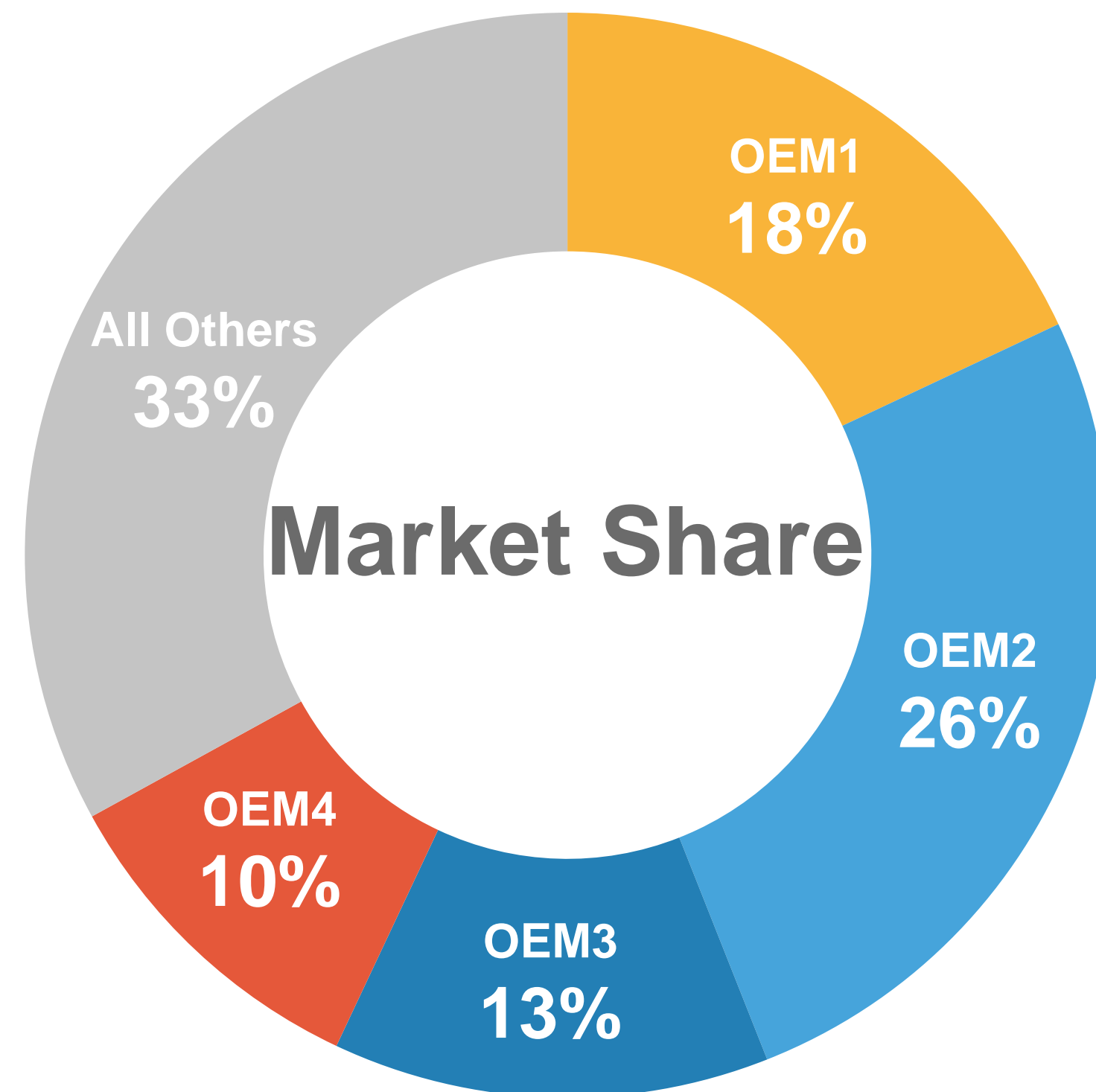
Industries Served

- Appliance
- Lawn & Garden
- Automotive
- Truck & Trailer
- Tools
- Office Furniture
- Architectural Products
- Window and Door
- HVAC
- Injection Molders
- Stampers / Metal Fab.



Our Customers: White Goods

Global Market Share By Revenue

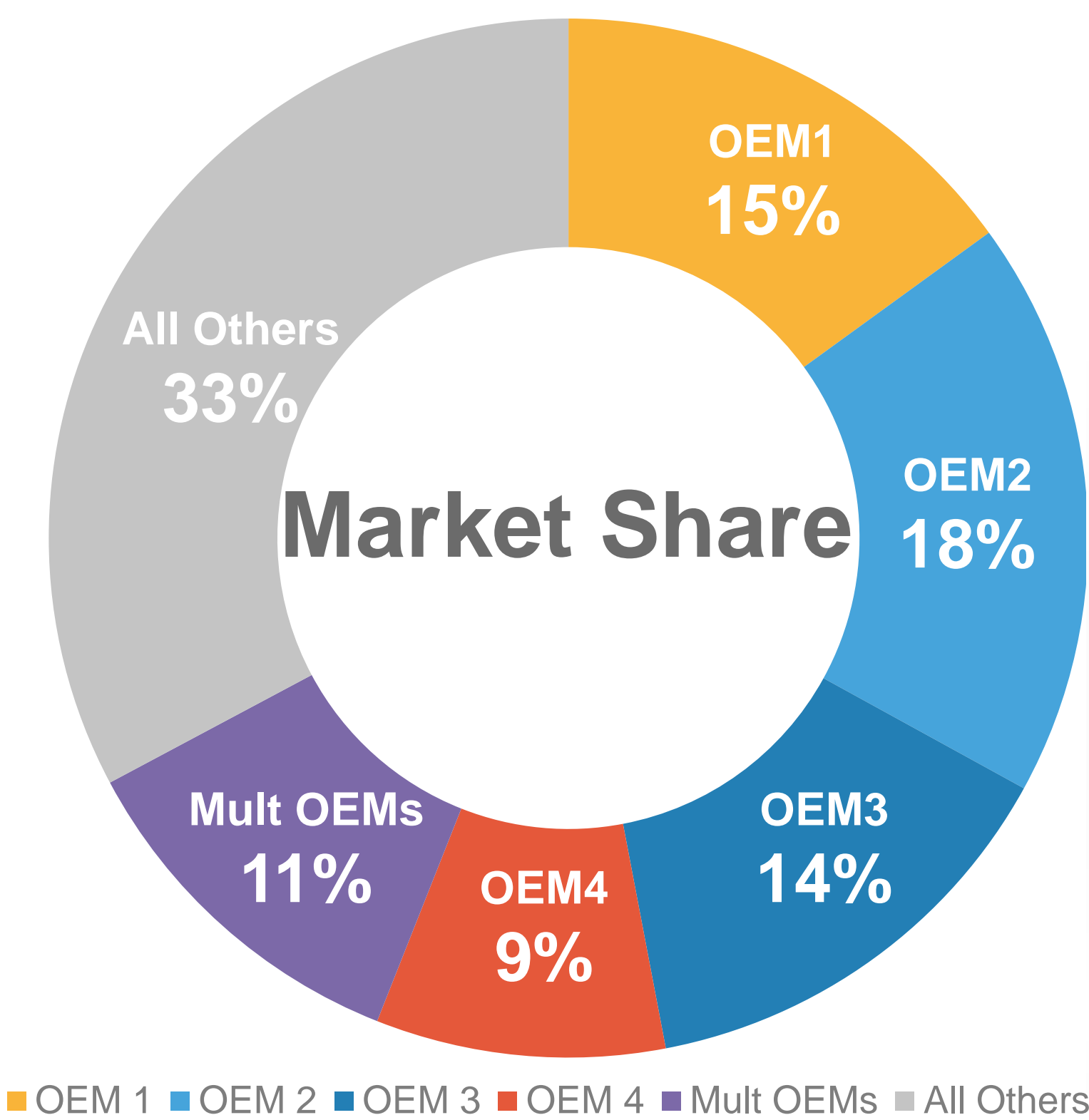


■ OEM 1 ■ OEM 2 ■ OEM 3 ■ OEM 4 ■ All Others



Our Customers: Automotive

Global Market Share By Revenue

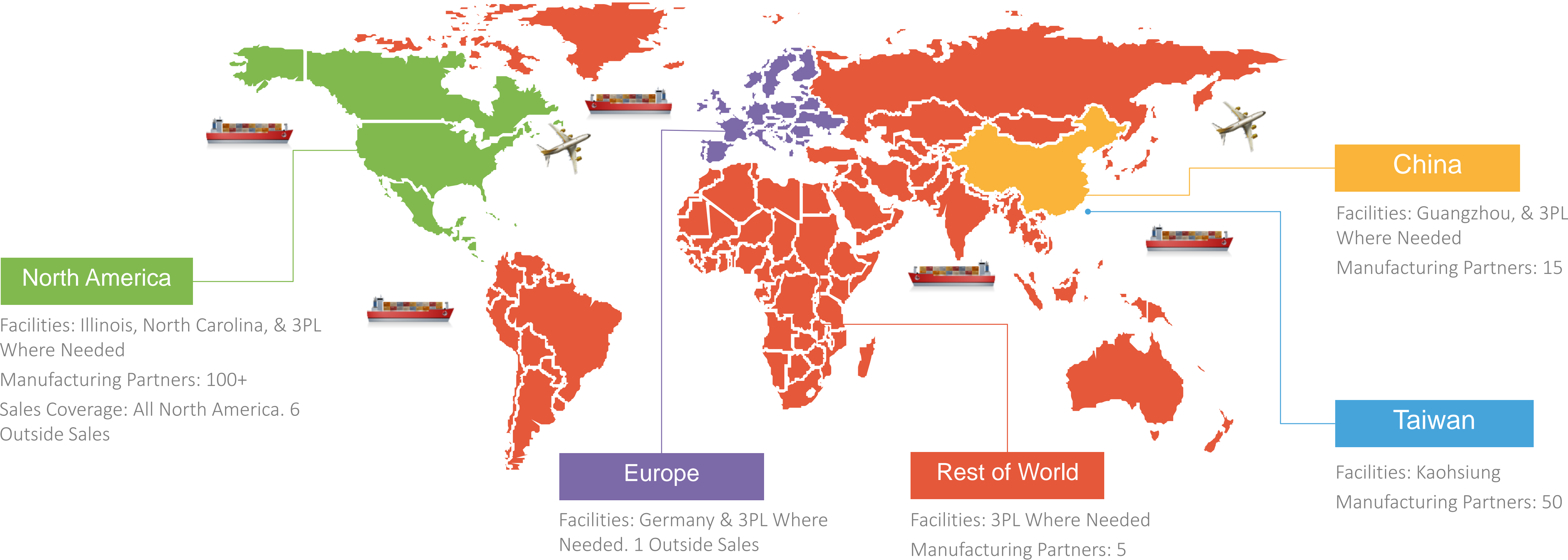


Shamrock Supply Chain

Flexible & Virtual



Shamrock International Map



Supply Chain Costs



Service Advantages

Customized To Meet Your Needs

- ✓ Localized supply chain
- ✓ Flexible and virtual supply chain capacity
- ✓ Full inspection capabilities
- ✓ A2LA & ISO 9001 certified
- ✓ In-house engineering & design support
- ✓ Taiwan inspection laboratory & sourcing office
- ✓ Chinese sourcing & quality team
- ✓ Customized logistics & VMI
- ✓ VME

Manufacturing Processes

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Experts in the Small Things: We see the process



Forming

Cold Heading, Threading, Roll, Cogging, Open-Die, Etc



Injection Molding

Multi-Cavity, Insert, Etc



Machining

Milling, Drilling, Turning, Broaching , Sawing, Etc. .



Extrusion

Direct, Indirect, Impact, Etc



Stamping & Wire Forming

Compound , Transfer, Manual, Progressive, 4-Slide, Etc.



Additive Manufacturing

FDM, SLA, DMLS, Etc



Casting

Die Casting, Sand Casting, Investment, Etc



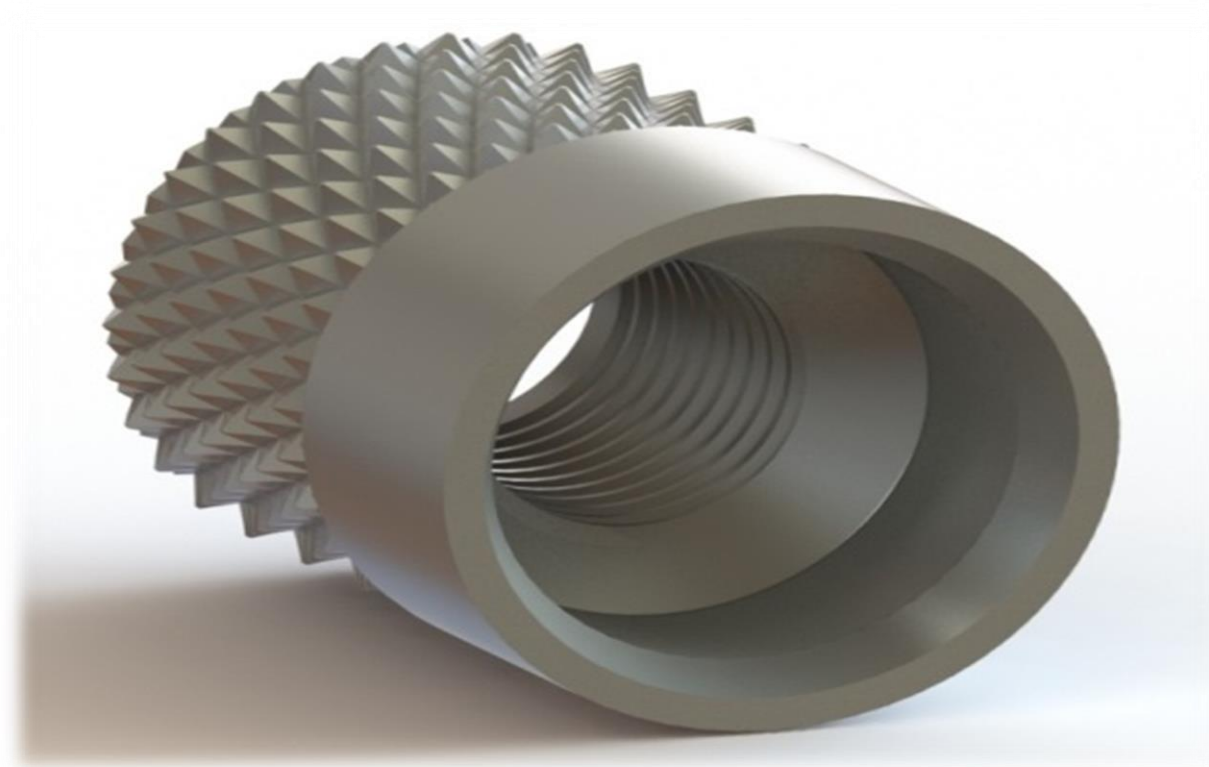
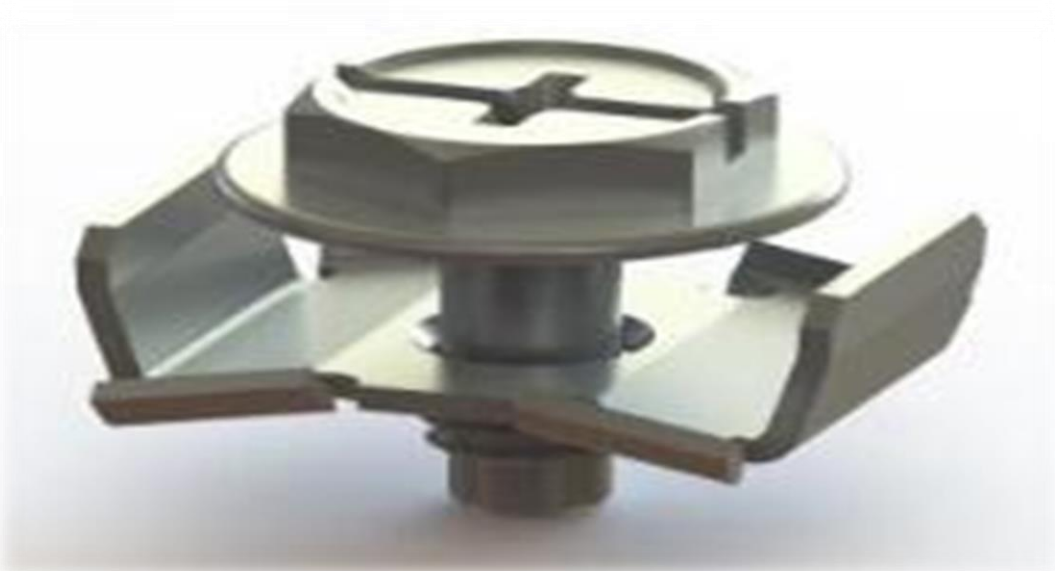
Powder Metal

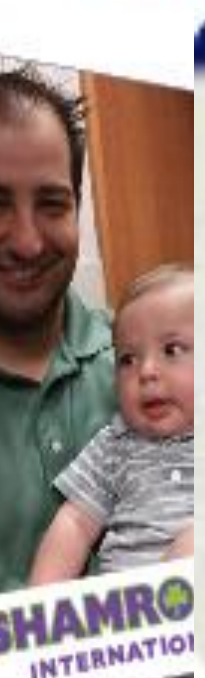
Engineering Support

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Innovation From Design Phase to Assembly Analysis

- CAD services
- Part design & re-engineering
- Assembly line walks
- Application review
- Product tear downs
- Part consolidations
- Rapid prototyping (3D printing)

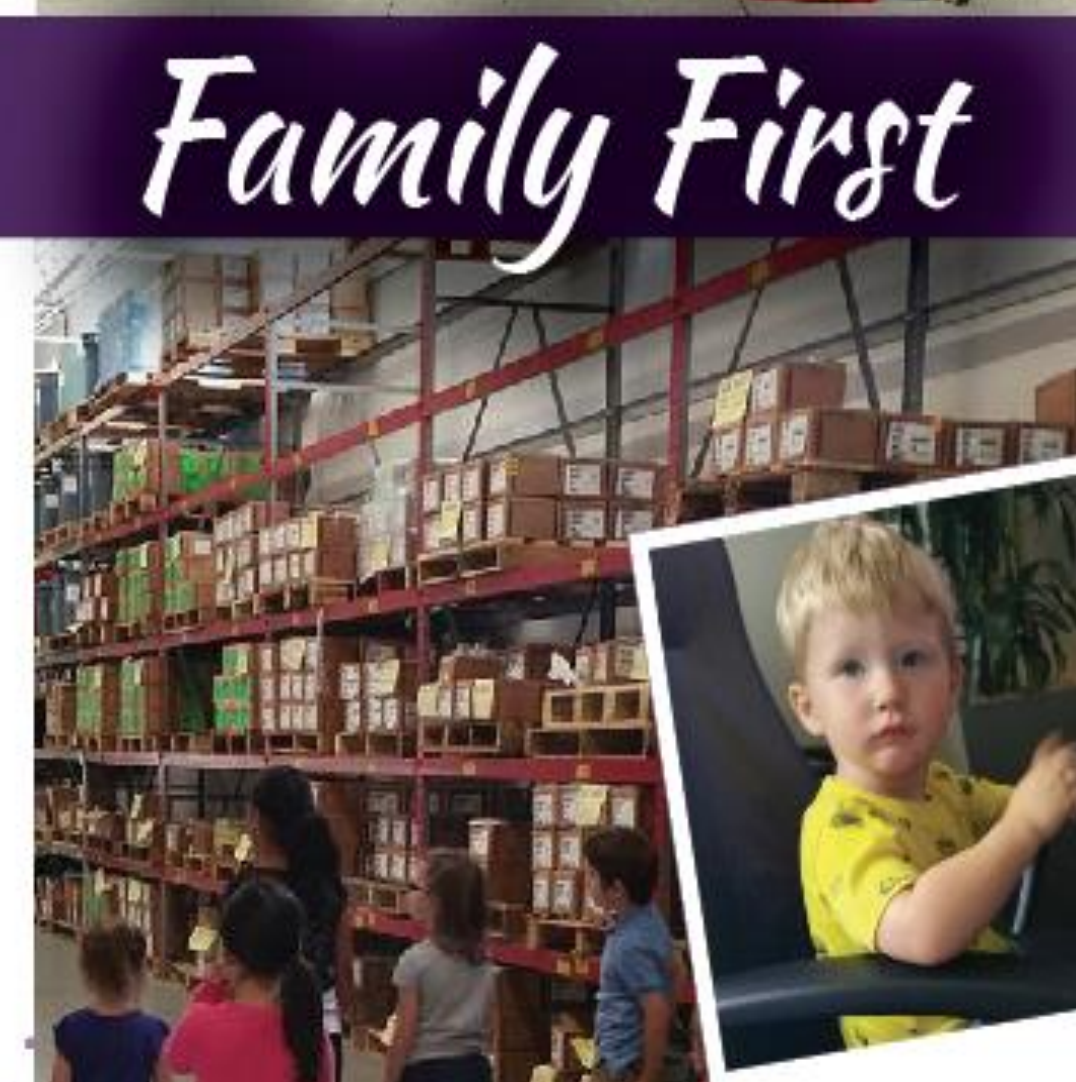




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Thank you