

ABOUT US

Founded in 1945, Serv-All is a full-service **Aluminum and Zinc die casting manufacturer** supporting customers from engineering through finished, assembled components. Our integrated approach helps reduce risk, improve quality, and streamline supply chains.

INDUSTRIES SERVED



Consumer
Products



Automotive



Transportation



Industrial



Lawn &
Garden



Recreational



Construction
& Agriculture



Electrical
Components

DIE CASTING CAPABILITIES

Meet and exceed NADCA precision tolerances

- Process Monitoring
- Flow Simulation
- Die Temperature Control
- Infrared Imaging

HOT CHAMBER

- 1 – 20 Ton
- 1 – 70 Ton
- 2 – 100 Ton
- 1 – 450 Ton
- 2 – 600 Ton

COLD CHAMBER

- 2 – 400 Ton
- 2 – 650 Ton

FINISHING CAPABILITIES

- Vibratory Deburring
- Shot Blasting
- Sanding/Polishing
- Powder Coating
- Wet Paint
- E-Coat
- Anodizing
- Chromating
- Electroless Nickel
- Sealant Impregnation
- Chrome
- Vacuum Metalizing

ENGINEERING & QUALITY

- ✓ Design for Manufacturability (DFM) support
- ✓ APQP, PPAP, FMEA, SPC & CMM Inspection
- ✓ Full compliment of equipment to repair and modify production tooling.

CORE CAPABILITIES

- ✓ Automated Aluminum High Pressure Die Casting
- ✓ Hot Chamber Zinc Die Casting
- ✓ Tool Transfers & In-House Adaptation
- ✓ CNC Machining & Secondary Operations
- ✓ Surface Finishing, Assembly & Packaging
- ✓ Aluminum Alloys: 360, 380, 383, 413
- ✓ Zinc/Zamak Alloys: 3, 5, 7

MACHINING CAPABILITIES

MILLING

- 4 and 5 axis milling
- High Speed Machining
- Large Machine envelopes
- Hold diameter tolerance to +/- .0002"
- Hold true position tolerance to .001" on diameter
- Hold surface finish to 16 micro on bores
- Hold surface finish to 32 micro on milled surfaces

TURNING

- Hold diameter tolerance to +/- .008mm, .0003"
- Hold thickness to +/- .016mm, .0006"
- Hold surface finish to 16 micro
- Fully automated turning operations

