

Company Overview



Cascade
MANUFACTURING

Plastic Injection Molding

**Tooling
Assembly**



1198 Boston Ave Longmont, CO



303-772-1325



Company Profile

*50+ years of experience in plastic and metal fabrication
Specializing in end-to-end manufacturing solutions:*



Culture focused – Emphasis on Respect, Integrity, and Honor

Character First principles upheld to provide customers with consistency, quality and transparency

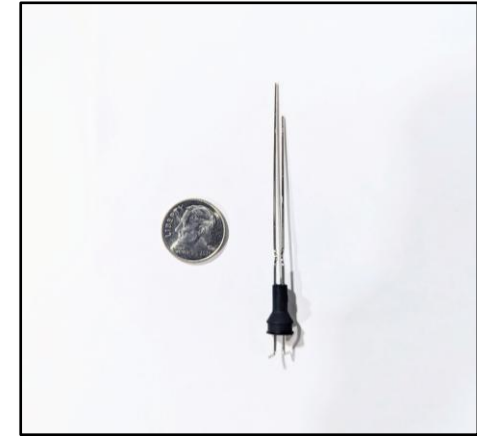
2023 & 2024 Recipients of Emerson Electric Co. Supplier Recognition Award for Service, On-Time Delivery, and Quality

Core Competency

Insert Molding - Injection of thermoplastic around a non-plastic part(s)

Mold around:

- ✓ Metal stampings
- ✓ Electromechanical parts
- ✓ Bushings
- ✓ Ceramics
- ✓ Other materials



Over Molding - Injection of thermoplastic around a plastic part(s)

Mold around:

- ✓ Thermosets (e.g. epoxy)
- ✓ Machined plastics
- ✓ Extruded plastics
- ✓ Thermoformed



Assembly & Packaging

Capabilities:

- ❖ Component molding
- ❖ Final product assembly
- ❖ Retail Packaging
- ❖ Drop-ship directly to retailer or distributor



SHAVAR BLENDER
(SB2100)

Injection Molding Line Sheet

<u>TON</u>	<u>MAKE</u>	<u>MODEL YR</u>	<u>Elec/Hyd/SerHyd</u>
22	BOY	1993	Hyd
22	BOY	1994	Hyd
35	BOY	2004	Hyd
35	BATTENFELD	2008	Hyd
35	BATTENFELD	2012	Hyd
35	BOY	2004	Hyd
55	TOSHIBA	2013	Elec
60	ENGEL VERTICAL	1998	Hyd
75	SUMITOMO	2014	Elec
85	ENGEL	2017	SerHyd
100	ENGEL	1998	Hyd
100	TOSHIBA	2014	Elec
112	SUMITOMO	2019	Elec
130	ENGEL	2017	SerHyd
180	TOSHIBA	2014	Elec
220	TOSHIBA	2006	Hyd
240	ENGEL	2017	SerHyd
250	TOSHIBA	2012	Elec
250	TOSHIBA	2012	Elec
250	TOSHIBA	2005	Elec
320	BORCHE	2015	Hyd
400	NISSEI	2023	ServHyd
500	NISSEI	2022	ServHyd
720	NISSEI	2024	ServHyd



Machine Tonnage ranging from 22T to 720T

Shot Sizes Ranging from 1oz to 107oz

Secondary Services

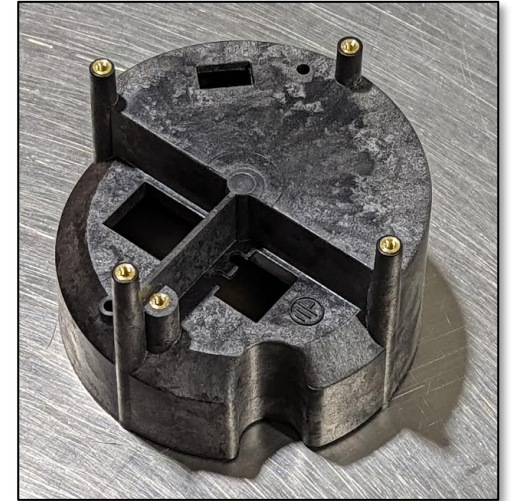


❖ In-House

- ❖ Assembly and Packaging
- ❖ Plastics Annealing
- ❖ UV Curing
- ❖ Industrial Pad Printing
- ❖ Post-Op Machining
- ❖ Ultrasonic Welding
- ❖ Hot/Cold Staking
- ❖ Milling

❖ Local Partnerships

- ❖ Powder coating
- ❖ Anodizing
- ❖ Chem. Filming
- ❖ Heat Treat
- ❖ Bead Blasting
- ❖ Painting



Clean Room Services

Features:

- ✓ 1200ft²
- ✓ ISO7* (Class 10,000)
- ✓ ISO13485:2016 Certified
- ✓ Suitable for clean room molding and assembly

*Can be improved to ISO5 as needed

Applications:

- ✓ Medical Disposables
- ✓ Laboratory Equipment & Consumables
- ✓ Medical Device Housings & Components
- ✓ Surgical Instruments
- ✓ Healthcare Components & Devices



Industrial Printing Solutions

Features:

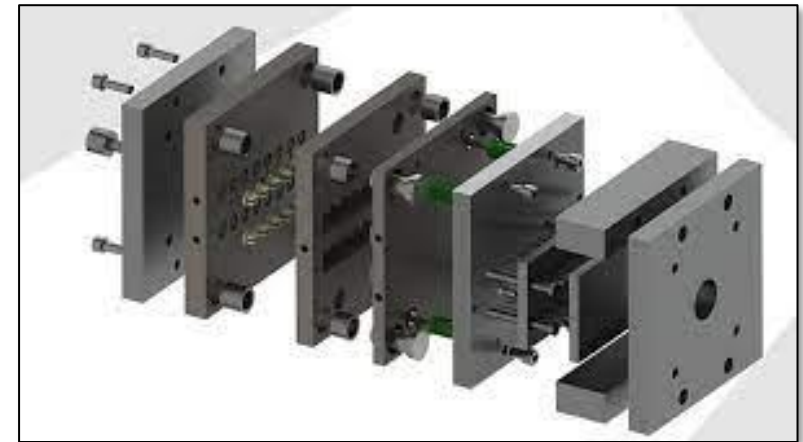
- ❖ Pad printing on a variety of plastics and metals
- ❖ Multi-color images with sizes up to 2in x 4in
- ❖ Specialized technical expertise on ink selection and utilization



Mold Transfer Services

Transfer Molds

- ✓ Strong track record – Over 25% of revenue from tool transfers
- ✓ Past success resulted in Preferred Vendor status and increased business with various customers
- ✓ In-house tool room and comprehensive PM program ensure your tool stays in top form
- ✓ No Surprises - Complete transparency on the state of your tool



Machine & Tool Maintenance

Machine Maintenance

- ❑ Robust PM program to keep our machines and auxiliary equipment in prime working condition
- ❑ PMs conducted at 3-, 6-, and 12-month intervals
- ❑ Spare Parts Kanban enables rapid response to machine issues

Tool Maintenance

- ❑ Tool tagging program for easy identification of PM and repair requirements
- ❑ Detailed documentation process to track shot count and maintenance history
- ❑ Deep network of outside services for welding, EDM, and texturing needs



Materials List

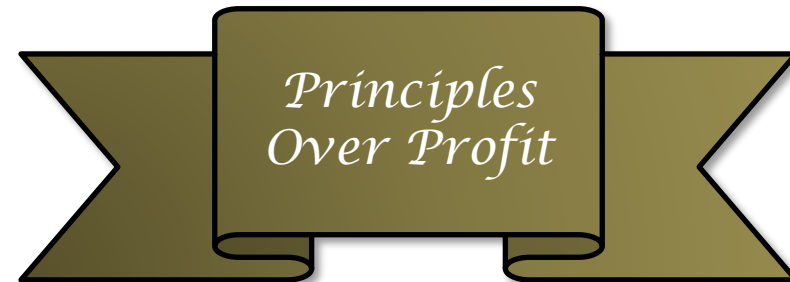
*Our technical team is highly experienced, with **75+ years** in handling and processing fiberglass enhanced resins and engineered thermoplastics*

- ✓ Strategic selection of resins that are multi-sourced
- ✓ Deep relationships with material application experts
- ✓ Distribution centers in Denver allow quick access to 100s of engineered resins
- ✓ Domestic and International partnerships with purchased component suppliers (inserts, screws, and more)
- ✓ Machining expertise with ceramics and carbon fibers

- | | |
|--|---------------|
| ✓ ABS | ✓ EVA |
| ✓ HDPE | ✓ HTN |
| ✓ LDPE | ✓ LCP |
| ✓ PA – Glass Filled and non-Glass Filled | ✓ PC + Blends |
| ✓ PEEK | ✓ PET |
| ✓ PEI | ✓ PE |
| ✓ POM | ✓ PMMA |
| ✓ PP + Blends | ✓ PPA |
| ✓ PS | ✓ PSU |
| ✓ PUR | ✓ Ryton/PPS |
| ✓ TPE | ✓ TPU |
| ✓ UHMW | |

Why Choose Cascade?

1. *Award-Winning, One-Stop-Shop Solutions*
2. *High Quality Parts, When You Need Them*
3. *Exceptional Responsiveness & Adaptability*
4. *Commitment to Growth & Improvement*
5. *Our Core Values:*



Find Out More!

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