

**CASTING
SOLUTIONS
INC.**

**Solidifying your casting
needs since 1969**

Why CASTING SOLUTIONS?

- A staff with 80+ years matching projects to the correct casting process.
- Process comparison budgetary quotes in 48 hours.
- Once the correct process has been chosen, Casting Solutions manages your project from design review through "life of part".



Manufacturers'

R

EPRESENTATIVE that understands your casting needs

E

XPERIENCE that works for you from concept through "life of part"

P

ROCESS verification. The right casting process every time



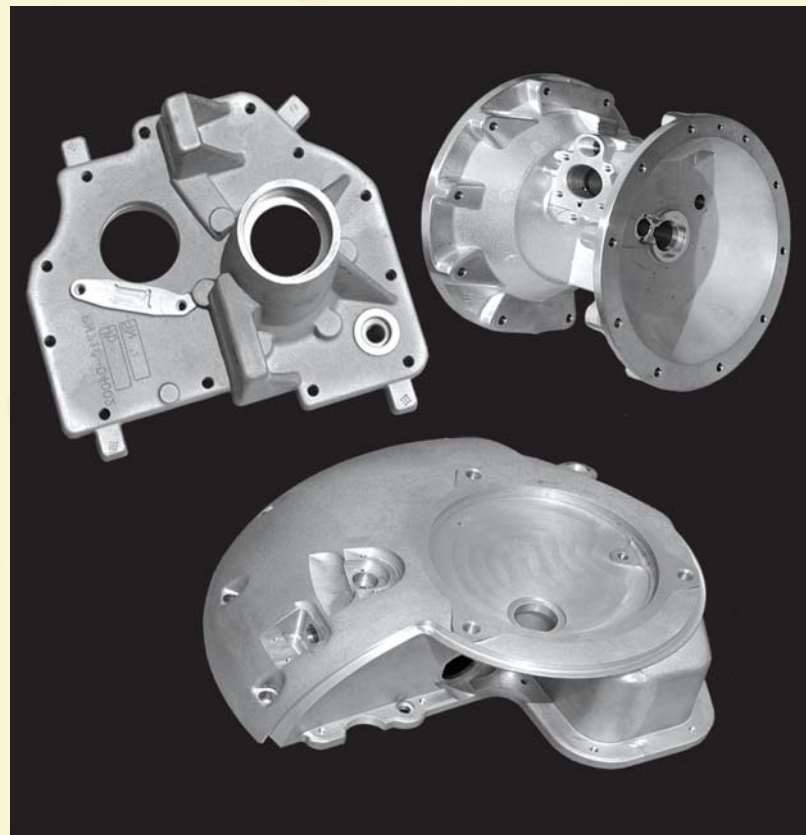
Do you know which casting process fits this part and why? **We do!**

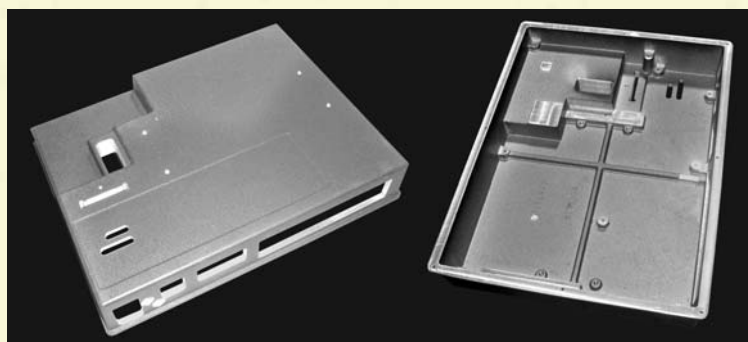
Put Casting Solutions' knowledge to work for you – **contact us now.**

Regards,

Ross Giese

President of Casting Solutions, Inc.





MATERIALS

- Aluminum
- Zinc
- Magnesium
- Stainless Steels
- Gray and Ductile Iron
- Brass
- Bronze
- Steels

**CASTING
SOLUTIONS
INC.**

800-486-3703
www.cast-it.com

Solidifying your casting needs since 1969
www.cast-it.com

CASTING SOLUTIONS INC.

Solidifying your Casting Needs since 1969

800-486-3703 • www.cast-it.com

See **PROCESS COMPARISON CHART** on back side

All companies have:

- ISO Certification +
- In-house Tooling
- In-house Machining
- In-house Finishing

Aluminum Permanent Mold Premier Aluminum LLC
Racine, WI

Aluminum Sand Cast Precision Enterprises
Warrenville, IL

Aluminum Die Cast Stroh Precision Die Casting LLC
Mauston, WI

Metal Injection Molding ... Advanced Forming Technologies
Longmont, CO

Thixomolding Advanced Forming Technologies
Longmont, CO

Zinc Die Cast..... Deco Products
Decorah, IA

Brass Sand Cast..... Excal, Inc.
Casper, WY

Investment Cast..... Craft Cast Company
Jackson, WI

Powdered Metal Symmco, Inc.
Sykesville, PA

Copper-based Permanent Mold Perma-Cast, Inc.
Export, PA

Machining KrisDee & Associates, Inc.
South Elgin, IL



Send inquiries to: parts@cast-it.com

GUIDELINES FOR STANDARD DIMENSIONAL FEATURES (For reference only)

SOLUTION	average tolerance	nominal draft	corner radii and fillets	nominal wall thickness	standard machine stock	surface finish or RMS
Aluminum Permanent Mold	±.020	3 degree	0.06	0.187	0.06	200
Aluminum Sand Cast	±.030	2 degree	0.1	0.18	0.06	250
Aluminum Die Cast	±.006	1.5 degrees	0.06	0.09	0.02	40
Zinc Die Cast	±.005	1.5 degree	0.03	0.05	0.01	32
Brass Sand Cast	±.030	2 degree	0.03	0.09	0.09	180
Magnesium Thixomolding	±.003	0 to 3 degree	0.02	0.03	0.02	30
Investment Casting	±.006	0 degree	.020 -.030	0.1	0.02	125
Powdered Metal	±.005	0 degree	0.015	0.065	0.01	125
Metal Injection Molding	±.003	1-3 degree	0.005	0.05	0.015	32-45

Solidifying your casting needs since 1969

**CASTING
SOLUTIONS
INC.**

800-486-3703
www.cast-it.com