



ftcastingcorp

*There are no secrets to success.
It is the result of preparation, hard work,
and learning from failure.*

Colin Powell

FT CASTING CORPORATION
1208 W WHITE RIVER BLVD
MUNCIE, IN 47303-8002
USA

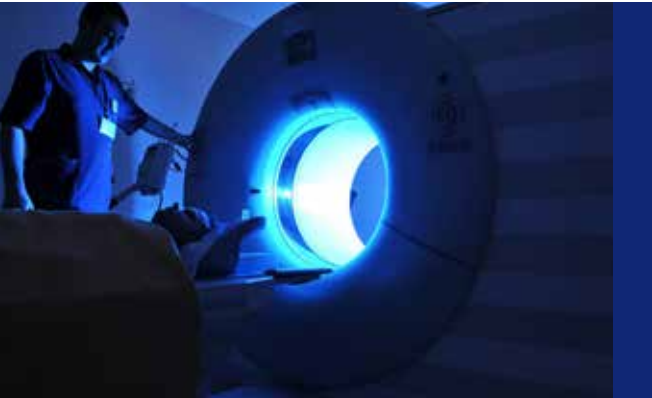
email: sales@ftcasting.us
www.ftcasting.us

[Case Studies]

7°

RAPID PROTOCASTING WITH DISPOSABLE MOLD FOR THE MEDICAL SECTOR

From the 3D project of the customer is realized a sand mold which is cast the aluminum alloy desired



Benefits for the research and development department

- Quickly evaluate metal part design
- Saving time and money
- Produce metal prototypes in almost any metal material
- Allow testing of the part in the actual production materials
- Produce metal parts without expensive tooling
- Reduce sampling time
- Reduce lead time

Protocasting Process

- Analysis of 3D mathematical model (feasibility study, construction drafts casting systems and simulation)
- Modeling of tool with parametric 3D CAD
- Printing samples with 3D printing machine (high-speed complex shapes are obtained, even in the undercut, made in sand employed in the foundry)
- Casting, deburring and sandblasting
- Any subsequent machining

Time

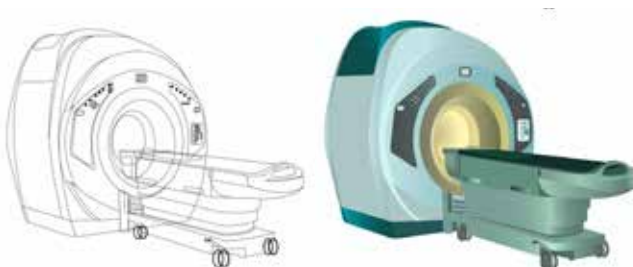
This technique ensures fast implementation ranging from 7 to 14 days, depending on the complexity of the project

Material

The same aluminum that will be used for series production

Treatment

You can also do mechanical tooling on the prototype as well as leak testing and other pre-processing, verifying the quality of the project.



2°

GIGACASTING FOR WAREHOUSE ROBOTICS



Technical Data Sheet



Dimensions

1000x800x30 mm
3,3x2,6x1 ft



Aluminum alloy

42100



Casting weight

120 Kg (one piece)
246 lb (one piece)



Pouring weight

145 Kg - Yield: 56%
319 lb - Yield: 56%



Moulding Process

Permanent mold casting

PLUS FOR THE CUSTOMERS

✓ SPEED

Important lead time reduction.
Mold making, sampling, production and machining.

✓ TECH

We are able to cast “gigagastings” with dimensions ranging from 1000mm (3.3 feet) to 1500 mm (5 feet) on all dimensions (x,y,z) reaching a maximum of 200 Kg (440 lbs) of aluminum casting.

✓ COSTS REDUCTION

Our consultancy is aimed at studying all the solutions to reduce production costs thanks to the technology installed and the experience in the sector.

✓ FLEXIBILITY

We can produce castings in lots of low (100 pieces per lot) and high quantities.

✓ SIMULATION

The casting simulation is a tool used in foundries to monitor the filling process of the aluminum into the mold, so check filling and solidification of castings and identify any critical areas.



[FT- Casting corp]



FT-Casting is ready to handle all your **technical** and **commercial services** needs for the production of **high-tech aluminum castings**.

FT-Casting is based in the **great state of Indiana** and is **available to deliver in 48 hours** throughout the **U.S. territory**.

A complete service that favors the growth of client companies in an increasingly uncertain market.



Customer Benefits

- **Technical support**
- **Logistic support**
- **Reduction time**
- **Flexibility**
- **Quick delivery**
- **Supply chain validation**
- **ISO 9001 Certification**
- **ISO 14001 Certification**
- **ISO 13485 Certification**

Services

- **ENGINEERING SERVICE**
- **TECHNICAL SUPPORT**
- **ASSEMBLY LINE**
- **STORAGE FACILITY**

Contact

Eastern USA

CT, DE, GA, MA, MD, ME, NC,
NH, NJ, PA, RI, SC, VA, VT,
Quebec)
Talbot Associates Inc.
sales@metalbot.com

Eastern and Midwest US

(IN, IL, MI, OH, Western NY,
Ontario)
Greg Benson
Point Industrial
greg@pointindustrial.com

New York

Brad Benson
Point Industrial
brad@pointindustrial.com

CANADA (ON, QU)

Talbot Associates Inc
sales@metalbot.com

Western Pennsylvania

Tim Benson
Point Industrial
tim@pointindustrial.com