



FOUNDRY
Casting Specialists

Ductile Iron • Gray Iron • Austempered • Bronze • Special Alloys

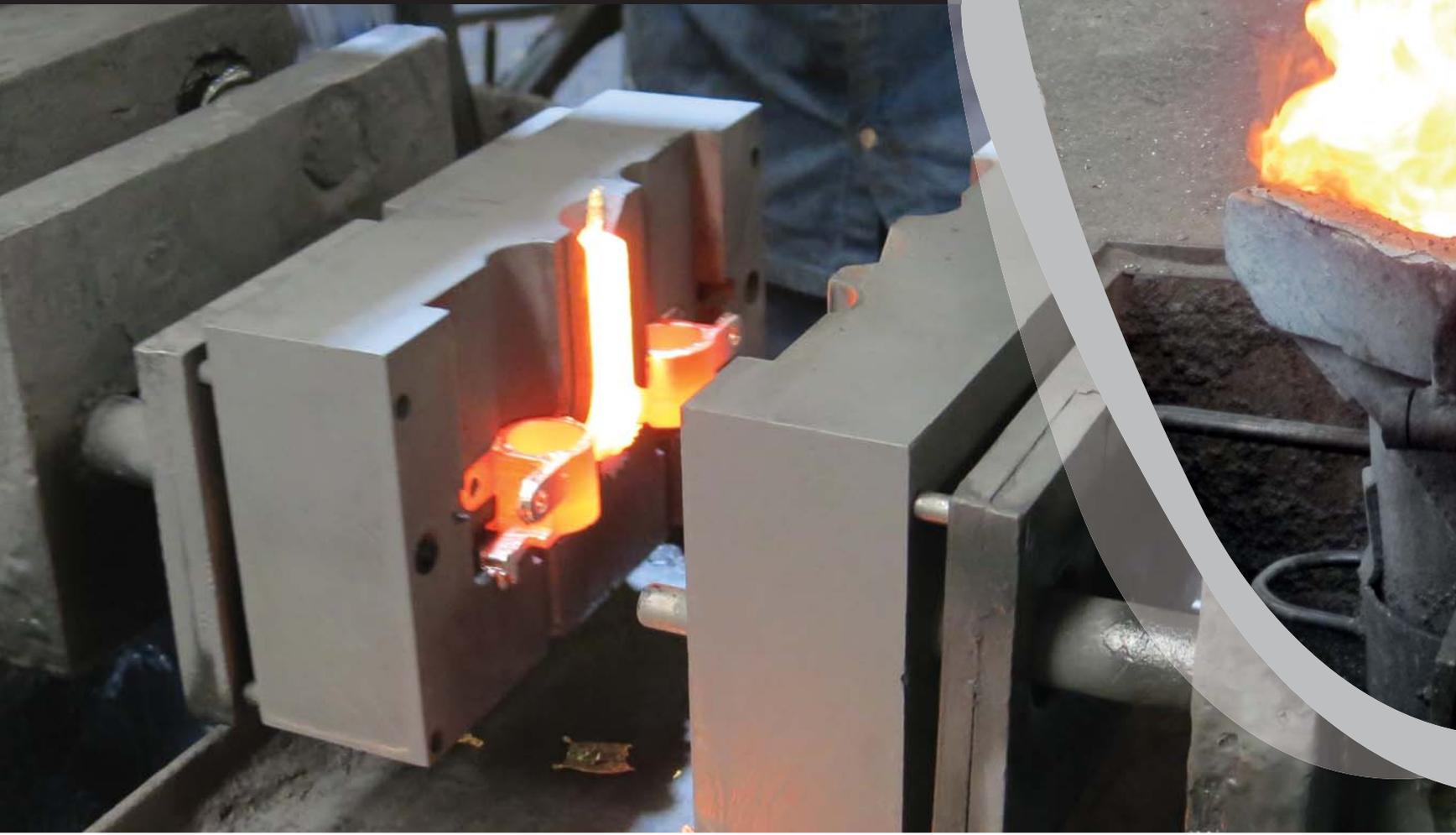
CASTING

MULTICO has extensive experience in production of bronze pieces, ductile iron and gray iron as well as special castings.

We have a highly trained team, and cutting edge equipment & lab to ensure reliability in supplying to our customers.

**WE ARE COMMITTED TO PROVIDE TO OUR
CUSTOMERS WITH RELIABLE AND
WELL-FINISHED CASTINGS.**

Casting is a unique process that involves technology and qualified manpower to satisfy customers requirements.



PRODUCTION CAPABILITY

Total Capacity

3600 TON per year of finished castings.

High Quality

High quality in castings physical properties and microstructure.

Comprehensive Engineering

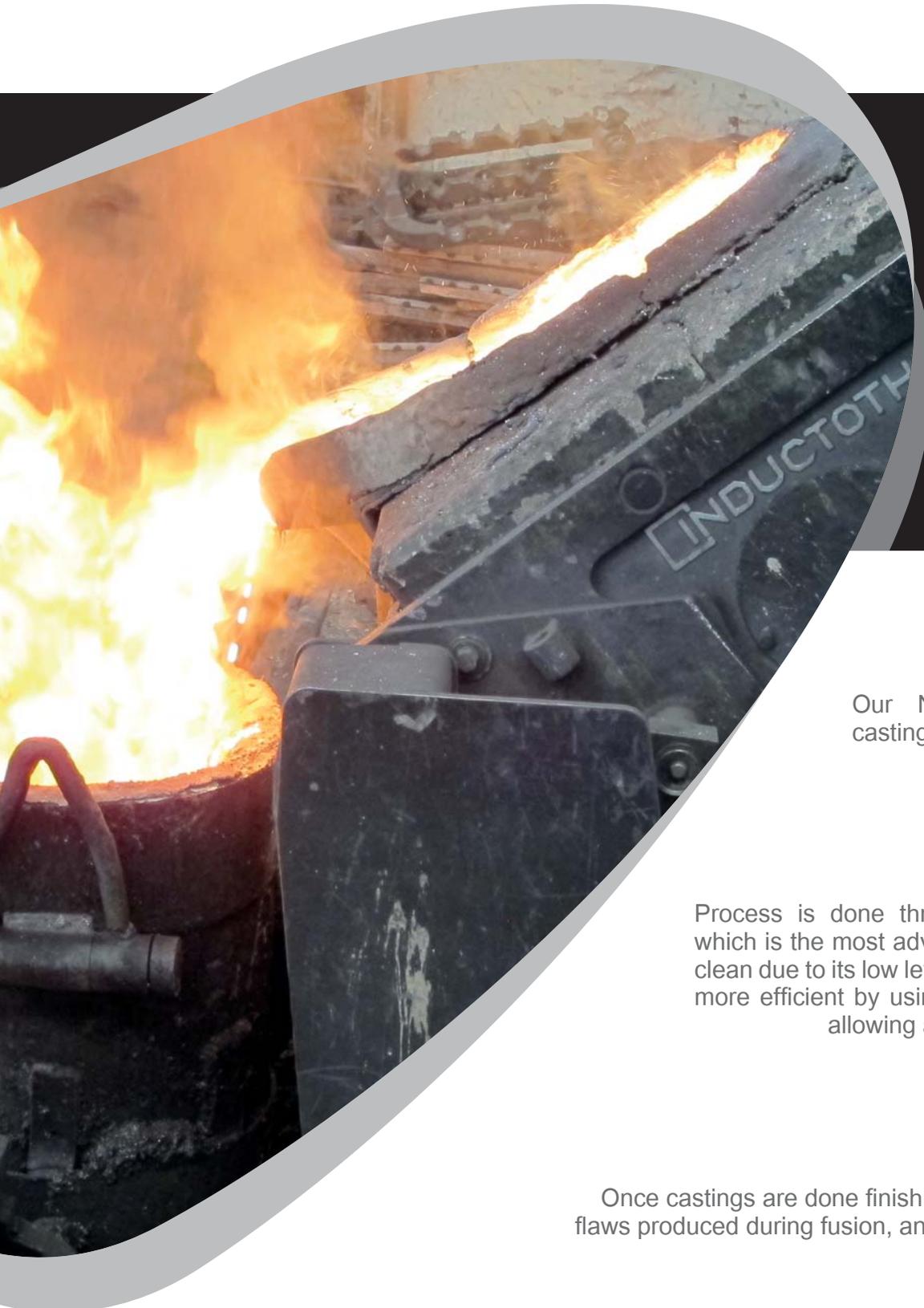
Multico develop and manufacture needed tooling.

Production

Our production piece size capacity goes from 1/2 to 500 pounds.

Machining and Finishing

We make machining (CNC) and finishing casting on demand by customer specifications.



3 STEPS PRODUCTION PROCESS

MOLDING



Our No-Bake molding process for casting allows a better surface finishing and a strong compacted molds.

FUSION



Process is done through electrical induction ovens which is the most advanced method. Electrical Heat is clean due to its low level of polluted emissions. It is also more efficient by using generated heat in better way, allowing a more uniform fusion of material.

FINISHING



Once castings are done finishing process will remove burrs and flaws produced during fusion, and through sand blasting any sand remnants will be eliminated.

PRODUCTS

IRON

DUCTILE

Ductile Iron is produced under ASTM A536 standards usually grades 60-40-18, 65-45-12, 80-55-06, among others.

- Compression resistance
- Abrasion resistance
- Good Molding properties
- Fatigue resistance
- Easy machining
- Traction and impact resistance

GRAY

Gray Iron is produced under ASTM A48 standards, usually grades 20, 30, 40 and 60.

- Easier machining than steels
- Rare occurrence of porosity in comparison to steels
- Contraction is much less appearance than in steels

DUCTILE COMPACTED GRAPHITE

Compacted graphite iron is produced usually as type 1, 2 and 3, and with the following advantages:

- abrasion resistance
- Low relative weight
- Fatigue resistance
- Excelent resistance to ,mechanic and termal stress

AUSTEMPERED DUCTILE

Austempered Iron is produced from a ductile iron with a thermal treatment applied according to ASTM A-897M-90 standards, with following advantages:

- Mechanical resistance
- Fatigue resistance
- Wear-down resistance
- Low relative weight
- Higher elasticity limit value

BRONZE

Aluminum Bronze
Tin Bronze
Copper
Special Alloys



PRODUCTS

DUCTILE

Grades:
D 4018 Ferritic
D 4512 Ferritic-Pearlitic
D 5506 Pearlitic-Ferritic
D 7003 Pearlitic austempered
Grade 1
Grade 2
Grade 3
Grade 4
Grade 5

GRAY

Grades:
G 1800 Ferritic-Pearlitic
G 2500 Ferritic-Pearlitic
G 3000 Pearlitic
G 3500 Pearlitic
G 4000 Pearlitic

COMPACTED GRAPHITE

Grades:
Type 1
Type 2
Type 3



ENGINEERING AND DESIGN



IDEA

A sketch is done from customer idea inputs to make sure that development comply with requirements needed.

CADCAM

Through a 3D software a project is done and further adjustments before to proceed to make a prototype.

MODEL

A model is done from final prototype so that could be authorized for mass production.

FOUNDRY

Castings are produced from a model into a specific alloy according to customer requirements.

MACHINING AND FINISHING

Once casting process finalize, machining and finishing could be required according to specifications of each component.

ASSEMBLY

Finished products could be assembled as required. Multico also offers this service.

MULTICO has a continuous and stable process that allow to supply high quality industrial castings at a very competitive pricing and satisfying our customer needs.



PLANNING

According to approved drawings a planning is made to produce specific products



PROCESS

Castings production according to specifications and a rigorous caring on quality.



FINISHING

Remnants and burrs are eliminated. Machining, finishing and packaging are done on customer demand.

WORLDWIDE QUALITY CLASS





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