



Casting Capabilities

OSCO industries, Inc. is a manufacturer of gray iron castings and a supplier of "value added" services for those castings.

Molding Capabilities

Location	Mold lines	Model	Plant size	Mold depth	Weight ranges
Portsmouth, OH	2 Disamatic	D3	19"x 23"	4.73"x 13.00"	1 - 40 lbs
Portsmouth, OH	1 Osborn	In-Liner	16"x 22"	6.00"x 6.00"	1 - 40 lbs
Portsmouth, OH	2 Hunter	10	14"x 19"	4.00"x 4.00"	1 - 30 lbs
New Boston, OH	2 Disamatic	D3	19"x 23"	4.73"x 13.00"	1 - 40 lbs
Jackson, Ohio	20 Shalco	Shell	15"x20"	4.00" x 4.00"	1 - 40 lbs

Core Room Capabilities

Location	Core type	Model / Size	Binder System	Catalyst
Portsmouth, OH	Cold box	3 Disa-Combi	SO 2	Gas
Portsmouth, OH	Cold box	1 Laempe 10	SO 2	Gas
Portsmouth, OH	Shell	3 SCB	Shell	Gas

Irons Poured (Gray Iron only)

Location	G2500	G3000	G3500	G4000
Portsmouth, OH	Yes	Yes	Yes	No
New Boston, OH	Yes	Yes	Yes	Yes

Value Added

Location	Annealing	Stress Relieving	Machining	Coating
Portsmouth, OH	In house	In house	Sub-contracted	Sub-contracted
New Boston, OH	Sub-contracted	Sub-contracted	Sub-contracted	Sub-contracted
Jackson, OH	Sub-contracted	Sub-contracted	Sub-contracted	Sub-contracted

Prototyping

Location	Method
Portsmouth, OH	3D printed molds on our Hunter mold line
Jackson, OH	Single cavity prototyping



Conversion Chart

mm	to	inches	
1.0	=	0.0393701	divide the mm by 25.4
Inches	to	mm	
1.0	=	25.4	multiply the inches by 25.4
Kg	to	lbs	
1.0	=	2.20462	multiply the Kg's value by 2.205
lbs	to	Kg	
1.0	=	.453592	divide the lb's by 2.205
grams	to	lbs	
1.0	=	0.00220462	divide the grams by 453.592
lbs	to	grams	
1.0	=	453.592	multiply the lbs by 453.592
US Ton	to	lbs	
1.0	=	2000	multiply the Ton's by 2000
Net Ton	to	lbs	
1.0	=	2000	multiply the Ton's by 2000
Metric Ton	to	lbs	
1.0	=	2204.62	multiply the Ton's by 2204.62
Gross Ton	to	lbs	
1.0	=	2240	multiply the Ton's by 2240

Grades of Gray Iron	Castings Hardness Range	Tensile Strength psi
G1800	187 BHN max	18,000
G2500	170-229 BHN	25,000
G3000	187-241 BHN	30,000
G3500	207-255 BHN	35,000
G4000	217-269 BHN	40,000