

142 W. Burns
Norwich, KS 67118
(620) 478-2212
Fax: (620) 478-2200



301 Levee Drive
Manhattan, KS 66502
(785) 537-7733
Fax: (785) 537-4477

Capabilities and Equipment List

FOUNDRY

Melting

2 – 2500 KW Inductotherm Furnaces
(10,775 lbs/hour)

Molding

2 – 20" x 24" FBN Roberts Sinto
(with 124 cooling positions)
1 – 20" x 24" FBO Roberts Sinto
(with 168 cooling positions)

Core Making

1 – IMF 3100 Iso-Cure machine
1 – Shallco CB-15 Iso-Cure machine
1 – B&P Shell Core machine
1 – Dependable Shell Core machine

Cleaning Room

3 – Roberts Sinto Barinder CNC Grinders
3 – SNAG Grinders

Pattern Making

1 – Hurco VMX64 CNC Mill
1 – Hurco VM CNC Mill
1 – Mori-Seiki SV-500 CNC Mill

Engineering

Solidworks
MasterCAM
Solidcast

Annealing

3 – Unitherm 1,000lb capacity furnaces
(with shot blasting)

MACHINE SHOPS

CNC Milling

2 – Okuma MA600
(40" x 40" x 36")
2 – Mori Seiki SH630/SH633
(33" x 33" x 30")
3 – Mori Seiki NH4000
(22" x 22" x 25")
4 – Mori Seiki NH5000
(29" x 29" x 33")
1 – DMG Mori NHX 5000
(29" x 29" x 33")
1 – DMG Mori NHX 4000
(22" x 22" x 25")
1 – Mori Seiki MV40 Vertical
(43" x 18" Table)
1 – Haas VF-4SS Vertical
(52" x 18" Table)

CNC Turning

2 – DMG Mori NTX2000/1500SZM
(5 axis; 10" chuck; live tooling)
1 – Mori Seiki ZT2500
(2 axis; 10" chuck; live tooling)
1 – Mori Seiki CL25
(2 axis; 10" chuck)
1 – Hardinge GS250
(2 axis; 10" chuck)
2 – Okuma L1420
(2 axis; 10" chuck)
1 – Okuma LC40
(2 axis; 12" chuck; live tooling)
1 – Okuma LB45
(2 axis; 25" chuck; live tooling)
1 – Okuma LU15
(2 axis; 10" chuck; live tooling)

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Capabilities

- Pouring Grades – ASTM A536-84
 - 60-40-18
 - 65-45-12
 - 80-55-06
 - 100-70-03
 - Other grades available to meet customer needs
- Austempering offered
 - Grade 1 – 130-90-09
 - Grade 2 – 150-100-07
 - Grade 3 – 175-125-04
 - Grade 4 – 200-155-02
 - Grade 5 – 230-185-01
- Ductile Iron Castings 5 lbs to 65 lbs
 - Max dia of 16"
 - Max dim of 16" x 20" x 10"
- CNC milling up to 40" x 40" x 36"
- CNC turning up to 24" dia x 30"
- Annealing & heat treat
- Assembly and kitting
- Finish coatings and painting

Engineering

- Casting design, technical assistance and manufacturing analysis
- Tooling design and fabrication

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DUCTILE IRON FOUNDRY ■ MACHINE SHOP ■ PATTERN SHOP
Registered to current revision of ISO 9001 by SRI Quality System Registrar