

***We CAST, FORGE and MACHINE
long term relations.***



**Melting
Moulding
Fettling
Forging
Machining**



Who are we?

We started with a vision of providing the best service in the sugar machinery field. Slowly we grew and founded new companies named G. M. K. Steels in 2003 and Preet Engineering Works in 2007. They were incorporated so that we can give a complete solution to our clients under same umbrella. We as a team of R. C. Engg, along with GMK Steels and Preet Engg are constantly working toward fulfilling clients casting, forging and machining requirements of heavy steel components.

Our founder Sardar Chuhar Singh started with a machine shop, and fast forward to now, we are one of the leading companies in India. We have a hunger for client satisfaction. We believe to give the best to clients.

We are your one-stop solution for engineering problems. We have a passionate and dedicated team and we try hard to get the best position in the market and that's how we made a big name in the industry.

What do we do?

We give solutions to cement, sugar and heavy steel industries by casting and forging their heavy components. We have an extensive list of products from gears for sugar mill to Shafts. And Girth Gears to Mill heads for Cement mills. We solve the customer query for the steel and sugar factories.

We provide every engineering problem solution related to these industries. We have a massive list of satisfied customers so don't hesitate to take our service.

We mainly focus on providing solutions for customers. We work according to client's budget and expectations. We rely on customer reviews.

We are your one-stop shop for the need of any stuff related to sugar, cement, and steel factories. We also manufacture the components for power plants.



Manufacturing Facilities

MELTING FACILITIES

- 10 M.T. M.F. Induction Furnace w/2 No.Crucibles –1 No.
- 30 M.T. M.F. Induction Holding Furnace – 1 No.
- 25 M.T. Bottom Pouring Ladle – 1 No.
- 20 M.T. Bottom Pouring Ladle – 1 No.
- 10 M.T. Bottom Pouring Ladle – 2 No.
- 6 M.T. Bottom Pouring Ladle - 2 No.



FORGING FACILITIES

- 2000T Open die forging press, hydraulic operated.
- 12 Ton mobile Manipulator.

HEAT TREATMENT FACILITIES

- 8m x 6m x 3.5m - 50 ton PNG fired H.T Furnace.
- 5m x 2.5m x 2.0m - 20 ton PNG fired H.T furnace.
- 5m x 1.5m x 1.5m - 15 ton PNG Fired H.T furnace



Manufacturing Facilities

MOLDING, FETTLING FACILITIES

- 250 Kg / Batch, Sand Mixer – 2 No.
- 200 Kg / Batch, Core Sand Mixer – 1 No.
- 1 M.T. / Hr Sand Dryer – 1 No.
- D.C. Welding Rectifiers – 3 No.
- C.P. make, air compressors, 130 C.F.M – 3 No.
- Swing grinders – 2 No.
- Chipping Machines – 15 No.
- Hand Grinders – 5 No.



MATERIAL HANDLING FACILITIES



- 70 M.T. Overhead Crane – 1 No.
- 40 M.T. Overhead Crane – 1 No.
- 25 M.T. Overhead Crane – 1 No.
- 30 M.T. Overhead Crane – 1 No.
- 10 M.T. Overhead Crane – 1 No.



Laboratory / Testing Facilities

- 18 Elements, ARL make Spectrometer – 1 No.
- 18 Element Hitachi make Spectrometer - 1 No.
- 20 Ton, Universal Testing Machine – 1 No.
- I-Zod / Charpy Impact Testing Machine – 1 No.
- 20 Mhz Ultrasonic Flaw Detector – 1 No.
- Digital Hardness Tester (Blue Star Make) – 1 No.
- Surface Profile Projector – 1 No.
- M.P.I. Testing Machine – 1 No.
- Wet Analysis Laboratory
- A.F.S. Grain size tester – 1 No.
- Temperature recorder for Heat Treatment Furnace – 1 No.
- Liquid Metal Temperature measurement device – 2 No.



Measuring Instruments

Instruments

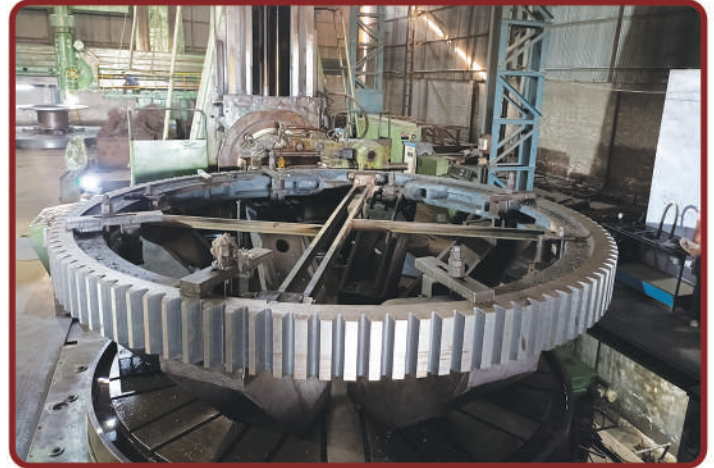
- Height Gauge – 0-600mm - 1 No.
- Vernier Caliper – 0-300mm – 1 No.
- Vernier Caliper – 0-600mm – 1 No.
- Vernier Caliper – 0-2000mm – 1 No.
- Depth Micrometer – 0-150mm – 1 No.
- Inside Micrometer – 0-1325mm – 1 No.
- Outside Micrometer – 25-50mm – 1 No.
- Outside Micrometer – 300-400mm – 1 No.
- Outside Micrometer – 400-500mm – 1 No.
- Outside Micrometer – 500-600mm – 1 No.
- Outside Micrometer – 600-700mm – 1 No.
- Dail Gauge – 5 No.



Machining Facilities

Gear Hobbings

- Schiess 10m Diameter x 50 Module - Table load Capacity 70 Ton – 1 No.
- WMW 5.3m Diameter x 40 Module- Table Load Capacity 40 Ton – 1 No.
- WMW 5m Diameter x 40 Module- Table Load Capacity 40 Ton – 1 No.
- Russian 3.5m Diameter x 36 Module- Table Load Capacity 15 Ton – 2 Nos.



VTL

- 6.5m Diameter X 4m Height – Table Load Capacity 70 Ton – 1 No.
- 2.2m Diameter X 1.5m Height – Table Load Capacity 20 Ton - 1 No.
- 1.5m Diameter X 1m Height – Table Load Capacity 10 Ton - 1 No.
- 1m Diameter X 1m Height – Table Load Capacity 5 Ton - 1 No.



Machining Facilities

LATHES

- WMW 1m swing x 9m length – 1 No.
- WMW 1m swing x 5m length – 1 No.
- Stanko 0.6m swing x 5m length – 1 No.
- Indian Make 2m swing x 6m length – 4 Nos.
- Indian Make 1.5m swing x 6m length – 4 Nos.



HORIZONTAL BORING MACHINED

- Floor Borer 160mm spindle x 3m travel – 1 No. •
- Floor Borer 160mm spindle x 8m travel – 1 No. •
- Floor Borer 125m spindle x 5m travel – 1No. •
- Table Borer 100m spindle – 1 No. •

BAND SAW

- 1.2 m circular band saw - 1 No.
- 1.0 m circular band saw - 1 No.



DRILL

- Radial Drill 80mm spindle x 1.5m swing – 1 No. •
- Radial Drill 60mm spindle x 1.5mm swing – 2 Nos. •



Details of Items Manufactured

Ferrous Castings

- Mill Heads – Up to 28 ton single piece
- Spur Gears – Up to 32 ton single piece
- Live Rings / Tyres – Up to 32 ton single piece
- Support Rollers - Up to 32 ton single piece



Alloy Steel Castings

- Girth Gears – 10m Dia X 1m F.W. – Up to 32 Ton Single Piece •
- Gear Castings – 8m Dia – Up to 32 Ton single piece. •
- Pinions – Up to 15ton single piece. •

Heavy Castings

- Slag Pots – 20 cu. m capacity – 36 ton single piece
- Total Annual Capacity : 5000 ton / year



Forging

- Forged Round- Upto 1000mm Dia X 9000mm
- Pinion (Upto 2m Dia)
- Gears (Upto 2m Dia)
- Blocks (Upto 10m Dia)



Forging Grades

- EN-8/ EN-9/EN-19/ EN-24/ EN-31/ EN- 34
- F11/F13/H13/DB-6
- 42CrM04/30CrNiM06
- And Many More



Key Customer List and Items Delivered

S.No.	Customer	Items
1.	McNally Sayaji Engineering Ltd.	Girth Gears, Mill Heads ect
2.	Chanderpur Works, Yammunanagar	Girth gears, Mill heads, Live rings
3.	Uttam Industrial	Gears, Crown Pinions, shafts
4.	Daurala Sugar Works	Shafts
5.	S.S. Engineers, Pune	Gears, Crown Pinions
6.	ThyssenKrupp Industries Ltd.	Gears, Crown Pinions.
7.	Promac Engineering Ind Ltd.	Girth Gears, Tyres
8.	Ulka Industries, Pune	Crown Pinions, Gears, Head Stocks
9.	Enmill Technologies	Head Stocks, Top Caps, Gears
10.	Rourkela Steel Plant	Girth Gears, Slag Pot (11 cu. m), trunnion rings
11.	BeeKay Engineering Works	Girth Gears, Tyres
12.	Alstom Projects India Ltd.	Girth gears, Support Rollers, Pinions.
13.	L & T Ltd- Chennai, kansbahal	Ring Gears & Pinion
14.	Shape Machine Tools Ltd.	Girth Gears, Mill Heads, Shafts etc
15.	Mukand Ltd.	Gears, Slag Pot (20 cu.m)
16.	DCM Shriram- Daurala	Rollers, Shafts, headstocks
17.	Balrampur Chini Mills	Rollers, Crown pinions
18.	Bajaj Sugar and Industries	Rollers, Shafts, Tailbar
19.	Dhampur Sugar Mills	Rollers, Shafts, Coupling
20.	S.S. Engg.	Rollers, Shafts, etc.



Items Manufactured

- Sugar Mill Rollers (up to 50 "X100" Mill)
- Gears (Upto 8mX 50Module)
- Crown Pinions
- Head Stocks



Items Manufactured

- Mill Heads
- Round Shafts
- Sugar Mill Coupling
- trash beam / trash plates
- Girth Gears (up to 8m x 50 modules)





G.M.K Steels Pvt Ltd.

📍 A-3/2, B.S. ROAD INDUSTRIAL AREA,
GHAZIABAD, U.P. - INDIA

☎ PH: 0120-4251317 / 9899333073

✉ gmk.steels@gmail.com

gmksteels.sales@gmail.com

R.C Engg. Pvt Ltd.

📍 B-3, B.S. ROAD INDUSTRIAL AREA,
GHAZIABAD, U.P. - INDIA

☎ PH: 0120-4567476 / 9899333073

✉ gmk.steels@gmail.com

info@gmksteels.com