



辽冶矿产集团
LMM GROUP

GYRATORY CRUSHERS

Facilities

Melting and Casting

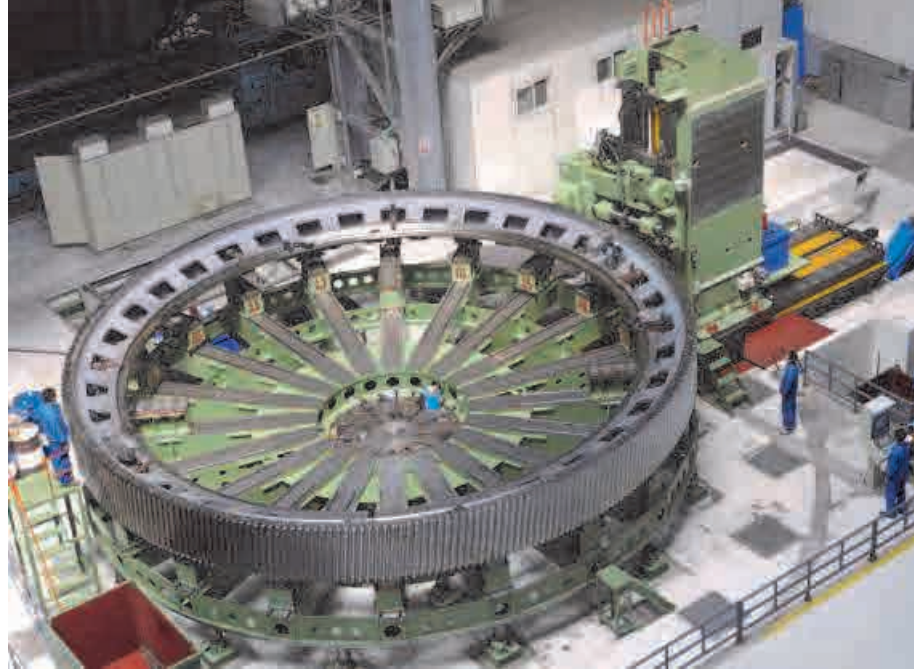
Casting capacity of 65,000 tonnes per year producing carbon steels, alloy steels, SG Iron, structural steels, non-ferrous and when specifically ordered heat resistance steels and stainless steels.
Max. Single Casting capacity of 500 tons of steel.

Casting capacity for:

- Carbon steel - 500t
- SG Iron - 150t
- Non-ferrous - 2.5t
- Steel Ingot - 600t

Foundry equipment includes:

- 80t, 50t, 40t Electric arc furnaces
- 2x150t, 2x60t Ladle refining furnace
- 150t, 60t VD/VOD furnace



Machinery & Fabrication

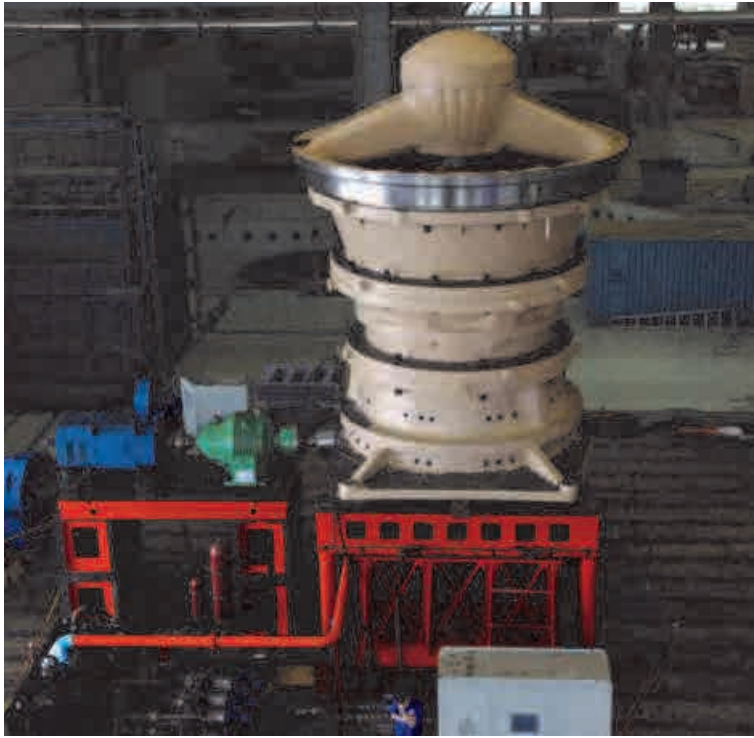
Facilities include:

- More than 70 CNC based machines
- 100,000t annual fabrication capacity
- NDT and mechanical testing Laboratory with UT and RT equipment manned by certified technicians
- More than 3000 machines (incl. >70 CNC machines) including:
- 105mmx4000mm & 160mmx4000mm Horizontal Plate Rolls
- Automatic welders (14x10m, 10x10m, 7x7m, 6x6m, 5x5m...)
- Narrow Gap welding units
- Unionmelt welding, gas shield and arc welding units
- A 4.5mx30m shot blasting chamber
- Multiple heat treating furnaces ranging from Ø2mx30m shaft furnace to 9mx9mx15m furnaces as well as carburizing furnaces
- Ø16m, 13m, 12m, 10m, 5m, 4m, 2.8m, 1.6m Gear Cutting Machines
- Ø5m, 4m, 2.8m, 1.25m CNC Gear Grinding Machines
- 600t Overhead crane (height of 26m)
- Other cranes include 300t, 250t, 200t, 150t, 82t, 75t, 32t and others
- Fabrication straddle 36m x 132m
- Three Roll Straighteners
- Ø16m CNC Vertical Borer



Forgings

LMM Group is equipped with largest hydraulic presses of 10500t, 8400t, 3150t, 1600t using Open hammer and Die forging techniques. It can produce free forgings up to 400 tons, ring roll forgings up to a maximum diameter of 5.5m and 10 tons in carbon steel, alloy steel, heat-resistance alloy steel and non-ferrous alloy steels including copper, aluminum, titanium.



Assembly



Shell Fabrication

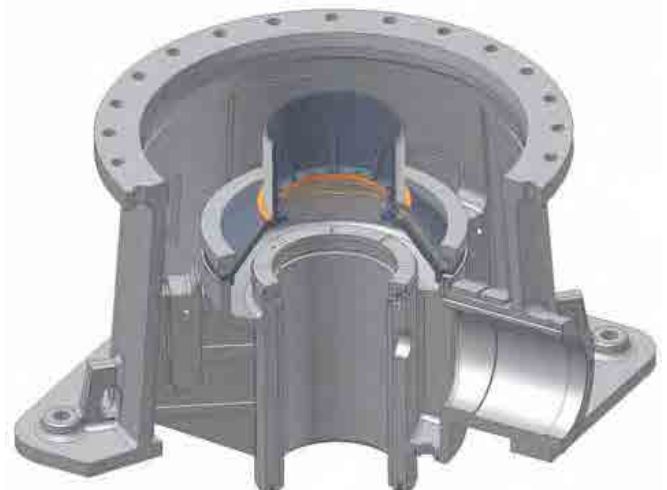
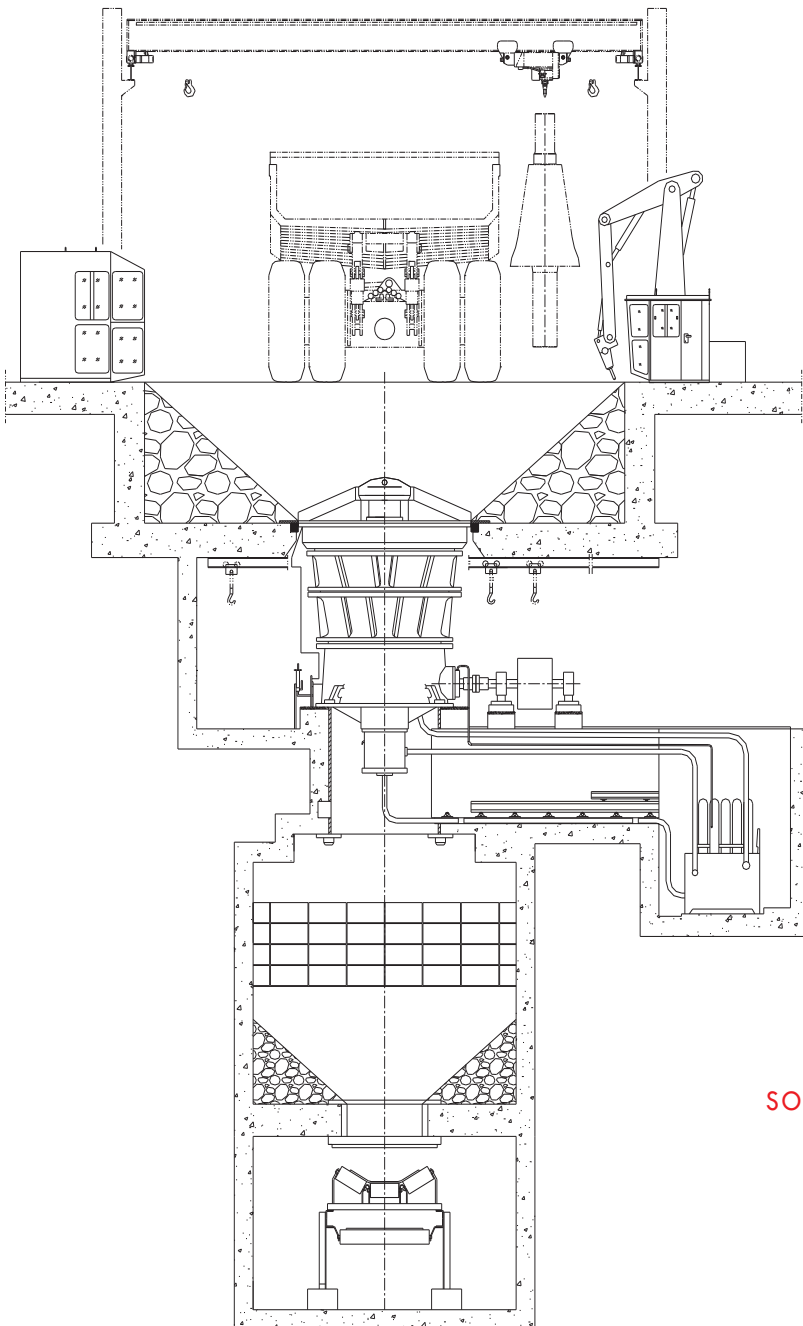
Boring & Milling



Over 200 thousand tons of high quality equipment per year

range of industries and product types including mining, crushing, hoisting, washing, gearing, automation, construction, excavation, power generation, research and others.

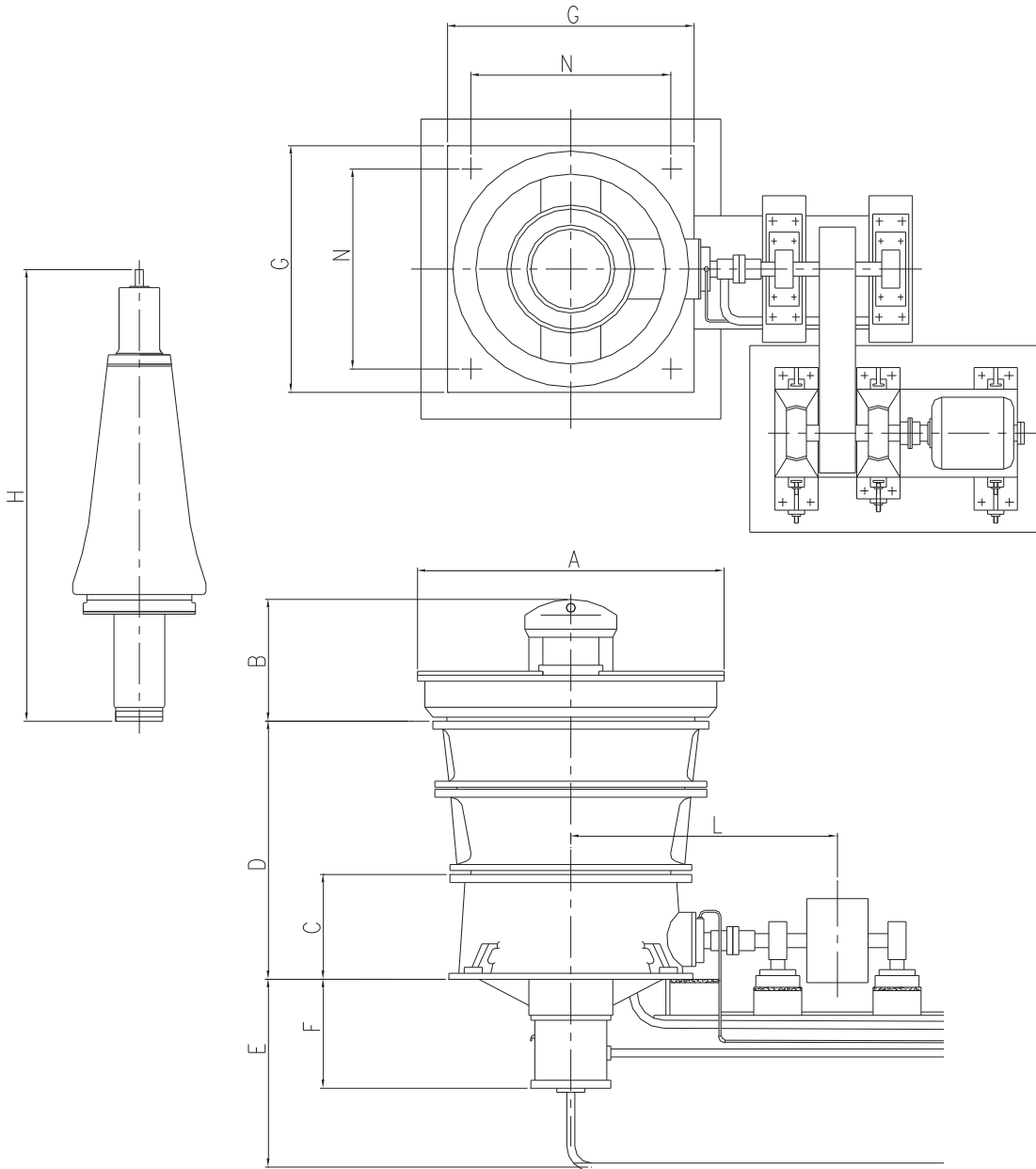
Design



SOFTWARE

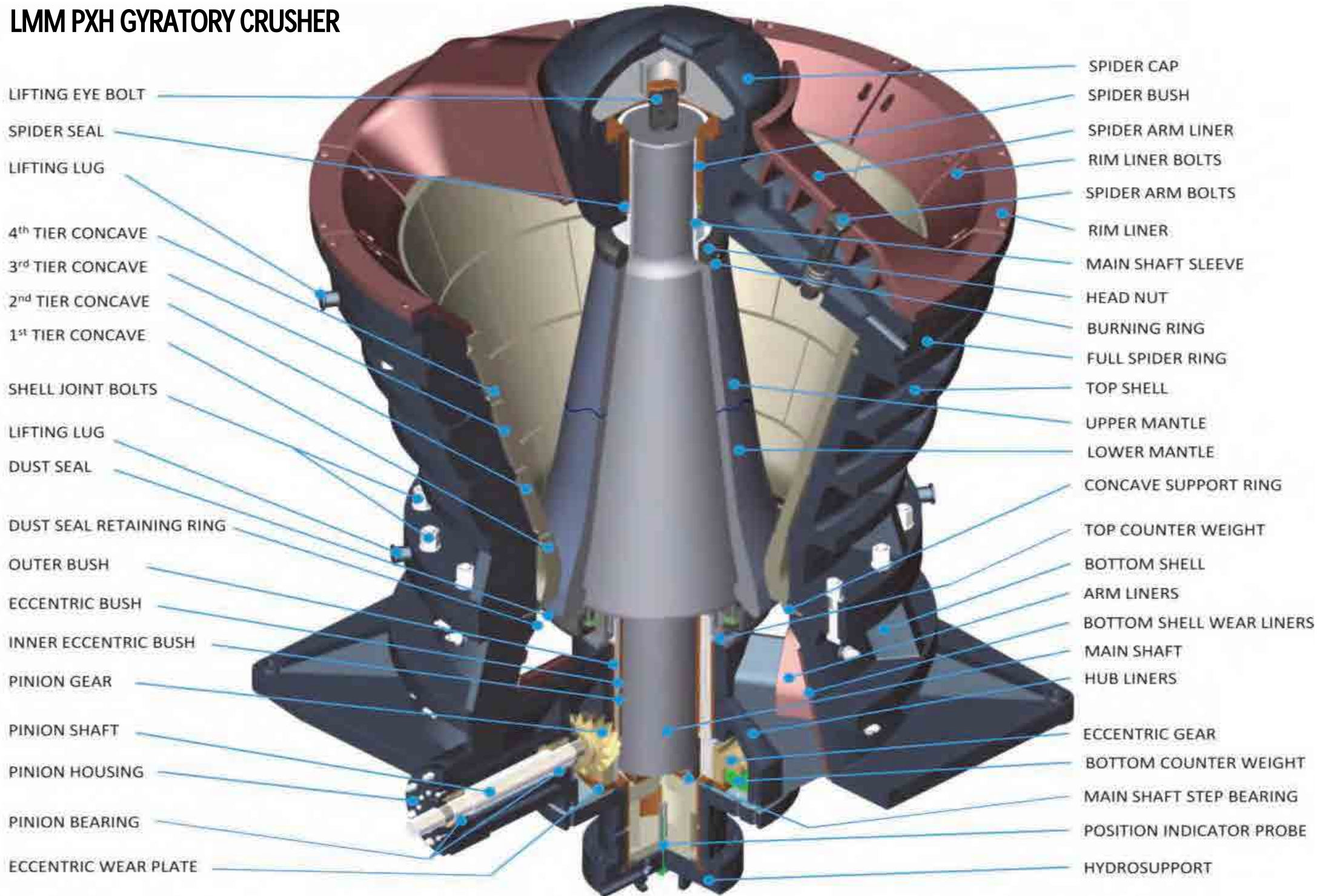
- ANSYS
- I-DEAS
- STRAND
- MAGMA
- DEFORM
- SYSWELD
- JMATPRO
- OTHERS

Clearance Dimensions



Clearance Dimensions										
	A	B	C	D	E	F	G	H	L	N
PXH900	4060	1745	1755	3385	2105	1475	3280	5603	3935	2850
PXH1200	4670	1910	2425	4345	2370	1700	3580	6683	5250	2960
PXH1375II	4930	1860	1455	4350	2815	1710	4400	5820	5100	3300
PXH1500II	5581	2280	1753	5400	2950	2209	5130	7103	5400	2850
PXH1750II	6210	2750	1245	5145	4130	2400	5380	7900	5500	4780

LMM PXH GYRATORY CRUSHER

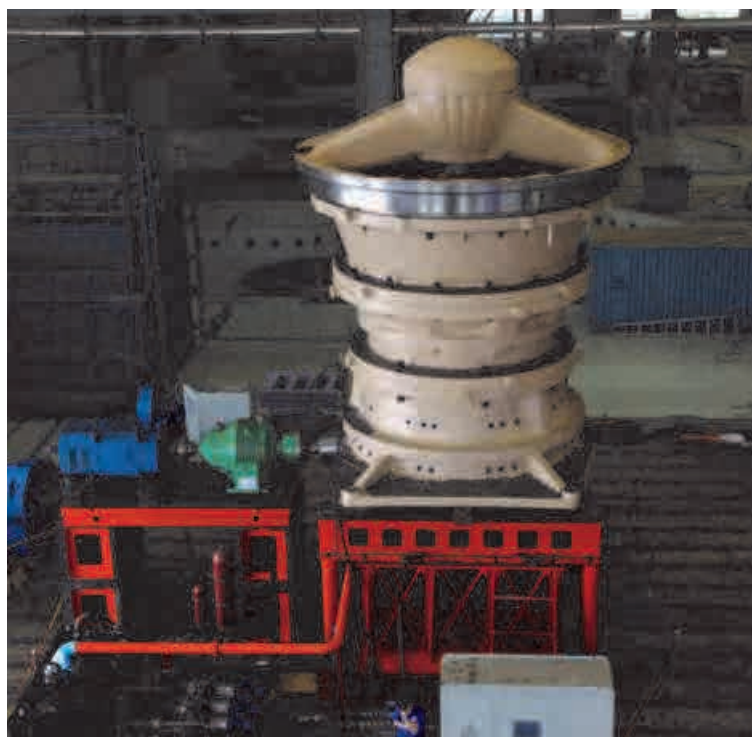


- LIFTING EYE BOLT
- SPIDER SEAL
- LIFTING LUG
- 4th TIER CONCAVE
- 3rd TIER CONCAVE
- 2nd TIER CONCAVE
- 1st TIER CONCAVE
- SHELL JOINT BOLTS
- LIFTING LUG
- DUST SEAL
- DUST SEAL RETAINING RING
- OUTER BUSH
- ECCENTRIC BUSH
- INNER ECCENTRIC BUSH
- PINION GEAR
- PINION SHAFT
- PINION HOUSING
- PINION BEARING
- ECCENTRIC WEAR PLATE

- SPIDER CAP
- SPIDER BUSH
- SPIDER ARM LINER
- RIM LINER BOLTS
- SPIDER ARM BOLTS
- RIM LINER
- MAIN SHAFT SLEEVE
- HEAD NUT
- BURNING RING
- FULL SPIDER RING
- TOP SHELL
- UPPER MANTLE
- LOWER MANTLE
- CONCAVE SUPPORT RING
- TOP COUNTER WEIGHT
- BOTTOM SHELL
- ARM LINERS
- BOTTOM SHELL WEAR LINERS
- MAIN SHAFT
- HUB LINERS
- ECCENTRIC GEAR
- BOTTOM COUNTER WEIGHT
- MAIN SHAFT STEP BEARING
- POSITION INDICATOR PROBE
- HYDROSUPPORT

LMM PXH Gyrotory Crushers Series II

LMM GROUP PXH Series Primary Gyrotory Crushers offer a range of crusher sizes to suit the most demanding of applications in some of the world's largest mining projects. With feed sizes up to 1200mm and capacities of 8000TPH. Combined with high speed (600rpm) and a range of eccentric strokes, high reduction ratios are possible resulting in higher mill production rates. The PXH series utilizes the industry standard of hydraulically controlled setting adjustment & crusher protection which can be integrated to your system or supplied with a standalone automation package, ensuring maximum performance & productivity 24/7. The PZH series Primary Gyrotory Crusher is equipped with a heavy duty spider assembly along with 1 piece main shaft / head assembly to accommodate the toughest of applications and easy maintenance procedures resulting in less downtime. Every component of the PXH Primary Gyrotory Crusher is manufactured within our own factory ensuring control over product design, quality, manufacture and assembly. All crushers are fully assembled in our works and test run prior to delivery resulting in quicker installation and commissioning times.



Model Range

Model	Reference	Power kW	C/Shaft Speed RPM	Weight t	Feed Opening mm	Maximum Feed Size mm	Head Diameter mm	OSS Range mm	Capacity Range tph
PXH900	36-65	210	735	146	900	750	1650	90-160	380-770
PXH1200	48-79	350	590	230	1200	1000	2000	130-230	1015-1720
PXH1375II	54-74	450	590	256	1375	1180	1880	150-200	2250-3100
PXH1500II	60-89	600	590	400	1524	1300	2260	160-230	4200-5100
PXH1750II	60-113	900	495-510	550	1524	1300	2870	160-230	5100-8000