



Sinosteel-XTMMC

Sinosteel Xingtai Machinery & Mill Roll Co., Ltd.

Build the world's most powerful roll- making enterprise



Company Introduction

Sinosteel Xingtai Machinery & Mill Roll Co., Ltd. was founded in 1958, with half a century's continuous exploration and innovation, it has now become China's most important R&D center and production base for metallurgical machinery products and spare parts. As a leading roll maker in China, Sinosteel-XTMMC has been guiding the development trend of domestic mill rolls for decades.

Sinosteel Xingtai Machinery & Mill Roll Co., Ltd., originally founded in 1958, is the first enterprise established by Chinese government specialized in producing mill rolls and complete sets of metallurgical equipments and spare parts, it is now the worldwide largest mill roll research and development center and production base.

The company is located in Xingtai City, Hebei Province, which has a history of 3000 years. The company has an site area of 1.23 million square meters, plant area of more than 400,000 square meters and total assets of 4.5 billion Yuan. It possesses 9 specialized mill roll production lines for all the ferrous and non-ferrous rolling mills, and more than 3500 sets of specialized equipments for melting, casting, forging, heat-treating and machining of mill rolls. The annual mill roll production capacity is 180,000 tons.

The company developed and manufactured China's first home-made ROKOP billet continuous casting machine, the first home-made coke dry quenching equipment, and the first home-made 6m and 7.63m coke oven armature. It has now



three complete production lines of CCM, CDQ and coke oven armature with an annual production capacity of 80,000tons.

For 50 years, the company's business has spread all over the world, its mill rolls and metallurgical equipment has already become the first and foremost choice of international renowned steel enterprises, and they have been exported to over 40 countries and regions.

Technical Capability

The company possesses a technical team of over 1000 experts, with China's unique officially appointed specialized mill roll research institute - Xingtai Roll Research Institute. The company possesses the only nationally approved Postdoctoral R&D Institution in mill roll industry and one of the first batch of provincial-degree Technology Centers in Hebei province. The company has won 13 awards for national key new products and 52 technological awards at ministerial level. It developed several hundreds of new products that filled domestic blank, being all the time the first to develop and manufacture new types of rolls. The company is the drafting unit of the national mill roll standards and the only one in mill roll industry to win a national gold medal for quality.



World's Leading Excellent Equipment

The company is equipped with 39 sets of modern heavy melting equipment, 38 sets of casting equipment and 120 sets of heat treatment facilities, including 45-70t ladle refining furnaces, electric arc furnaces, electro-slag remelting furnaces, medium frequency induction furnaces, advanced vertical and horizontal centrifugal casters, double frequency quenching machines, differential heat treating furnaces and car-type heat treatment furnaces, all of which are at international leading position.

The company is equipped with one 3150t hydraulic press, one 3150t oil press and one 8000t oil press as well as various types of specialized CNC lathes, millers, borers and grinders, 469 of them in total, including the advanced CNC movable beam gantry boring and milling machine, the 10t and 50t high precision CNC grinding machines imported from U.S.A, and China's largest CNC roll grinder and roll lathe with 100t and 160t net load.

The company is equipped with 250mm large-sized floor-type boring and milling machines, 16m milling planers, TK6919 CNC boring and milling machines, planning machine and drilling machines, over 200 of them in total.

Excellent Products (1)



Excellent
Products

1. Roughing Roll for Hot Strip Mill
2. Roughing Work Roll For Hot Strip Mill
3. Back-up Roll for Cold & Hot Mills
4. High Speed Steel Work Roll for Hot Strip Mill Finishing Stand
5. Work Roll for Hot Strip Mill Late Finishing Stand
6. Back-up Roll for Cold & Hot Tempering Mills

National Key New Products

High Chrome Work Roll for Hot Strip Mill Roughing Stand, ICDP Work Roll with Nodular Core for Late Finishing Stand of HCW Hot Strip Mill, Large-sized Duplex Cast Steel Back-up Roll, Duplex Centrifugal Cast High Chrome Work Roll for Early Finishing Stand of Hot Strip Mill, Vertical Roll for Strip Mills, High Carbon Adomite Roll, Series of Rolls for CSP mills, Centrifugal Cast Work Roll for Plate and Heavy Plate Mill, Composite Sleeved Roll for Universal Mill, Large-sized Duplex Cast High Speed Steel Roll, Mark Resistant Work Roll for Cold Mill.

Hebei Provincial Key New Products

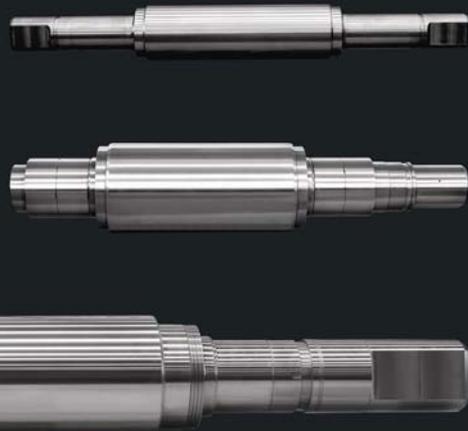
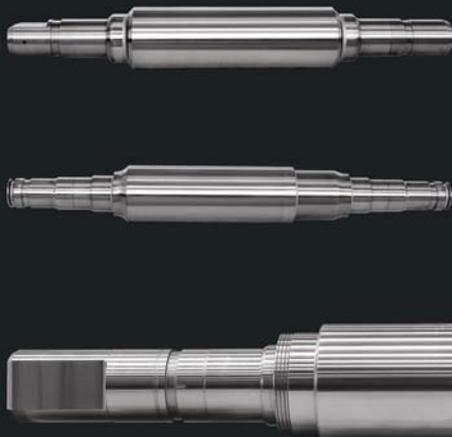
Cr5 Forged Steel Cold Roll, Cr3-Cr5 Duplex Cast Steel Back-up Roll, New-type Coke Oven Armature. The products cover three main series of cast steel, cast iron and forged steel mill rolls, and the application scope includes plate, pipe, strip and section products, capable of providing all series of products for complete lines of various modern rolling mills.



Excellent Products (2)

Excellent
Products

1. Cold Mill Work Roll
2. Cold Mill Intermediate Roll
3. Work Roll for Hot & Cold Tempering Mill
4. Non-ferrous Hot Mill Roll
5. Work Roll for 5m Heavy Plate Mill





Excellent Products (3)



Excellent Products

1. Work Roll for Sendzimir Mill
2. Work Roll for Non-ferrous Cold Mill
3. Table Roller
4. Break-down Roll for Section Mill
5. Composite Sleeved Roll for Universal Section Mill
6. Vertical Roll Ring for Universal Section Mill
7. Horizontal Roll Ring for Universal Section Mill
8. Edger Roll for Section Mill

9. Straightener Roll for Section Mill
10. Rolls for Seamless Tube Mill
11. Piercer Roll for Seamless Tube Mill
12. Sizing Roll for Seamless Tube Mill
13. Reducer Roll for Seamless Tube Mill
14. Forming Roll for Welding Tube Mill

Main Applications of Cast Rolls

Main Applications of Cast Rolls

Material	Code	Hardness	Hot Strip & Plate Mill							Back-up Roll	Tempering Roll	Blooming Roll	Billet Roll	Heavy Roll & Beam Mill		Universal Section Mill			Wire & Bar Mill			Seamless Tube Mill			
			Vertical Roll	Roughing	Roughing Work Roll	F1-3 Stand	F4-7 Stand							Roughing	Finishing	ID	Edger	Roll Ring	Roughing	Intermediate Rolling	Pre-Finishing	Finishing	Roll Ring	Sizing	
Alloy Cast Steel	CD CN	35-45		•												•									
	CE CR	35-50	•	•						•					•										
	CS	35-50		•													•								
Alumite	BA BJ	35-50						•					•						•	•					
	BC BF	45-60	•		•	•																			
	BH BI	45-60										•													•
	BS BV	45-65										•													•
Graphitic Steel	GA	40-50												•											
	GB	45-55	•		•																				
	GC GD	50-65																							•
Duplex Cast Steel	FA FB	50-65								•															
	FC FD	60-75								•															
Tool Steel	AC	50-75		•																					
High Speed Steel	HA	80-90				•	•																		
	HC	70-85			•																				•
HiCr Steel	SA	70-85	•	•																					
	SB	65-80	•																						
HiCr Iron	SR SU	65-90	•		•	•																			
ICDP	IA	70-85						•	•																
	IC IE	75-88							•																
	NA NB	40-55								•															
Spheroidal Graphite Cast Iron	ND	50-65	•																						•
	NE NG	55-70																							•
	NC NS	60-75																							•

1. Cast Steel Back-up Roll Maximum Diameter 200mm, Maximum Weight 80tons. 2. Work Roll Maximum Diameter 1600mm, Maximum Barrel Length 6500mm, Maximum Weight 85tons. 3. Capable of Supplying All Specifications of Other Rolls



Main Applications of Forged Rolls

Main Applications of Forged Rolls

Material	Code	Hardness	Cold Strip Mill				Multi-Roll Mill		Tempering Roll	Back-up Roll	HD Blooming Roll	Billet Roll	Reinforced Roll Shaft	Seamless Tube Mill		Pipe Welding		Non-Ferrous Hot Mill Roll	Casting Mill		GDM Guide Roll	Table Roller
			Continuous Rolling Work Roll	Reversing Mill Work Roll	Non-Ferrous Mill Work Roll	Intermediate Roll	Work Roll	Intermediate Roll						Piercing Roll	Swaging Roll	Forming Roll	Pitching Roll		Roll Shaft	Roll Sleeve		
Tool Steel	EA EC	75-100		●	●	●			●						●	●						
	TB TC	75-100	●	●	●				●													
	TF	90-105		●	●				●													
	TR	45-75							●									●		●		
	DB DC	75-100	●	●		●			●													
	DG DH	75-100	●	●		●			●													
	DJ	75-98	●	●		●			●													
	DS	40-75								●	●	●										
	AD AE	60-80						●			●	●			●			●				
		40-60									●				●			●				
	AF	40-75		●						●	●							●		●		
	AG	60-92	●	●		●		●										●		●		
	AK	86-96	●	●																		
	AS	90-100	●						●													
AT	75-95						●									●						
High Speed Steel	HK	75-95		●		●	●											●				
	HF	85-95		●			●															
Alloy Forged Steel	JC	40-50																		●		
	JE	25-40																			●	●
	JF	35-45										●							●			
	JH	30-40																				●
	JS	25-40																				●
RD RH	35-70									●		●					●					
Forged Admitte	BD	35-50									●											

1. Cold Mill Work Roll Maximum Diameter 1020mm, Maximum Weight 25 tons. 2. Hot Mill Roll Maximum Diameter 1600mm, Maximum Weight 75 tons. Back-up Roll Maximum Diameter 2000mm, Maximum Weight 75 tons. 4. Capable of Supplying All Specifications of Other Rolls



Sinosteel-XTMMC

Cooperation Partners

SINO STEEL
Build the world's most powerful roll making enterprise **XTMMC**

Cooperation Partners

Build the Global Strategic Cooperation Framework Forge the First Industrial Chain in Metallurgy



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