

MEGATOP

Megatop New Materials
Co., Ltd.

GO and NGO Product

CATALOGUE **2026**

Megatop New Materials Co., Ltd.

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Investment
1.6B USD,
NGO 1.6million
tons, GO 0.5million
tons, **Top 500**
Enterprise.

Company Profile

Megatop was founded in 1999. After over two decades of devel opment, it has become a comprehensive modern steel enterprise with both long and short production processes and advanced equipment at home and abroad. **The group now covers an area of over 3.3 million square meter, has more than 6,000 employees, and its fixed assets amount to over 20 billion yuan.**

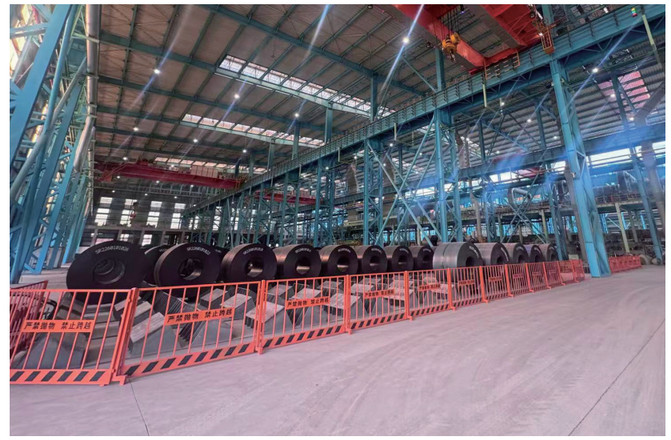
In 2025, the group was approved to establish a "National Postdoctoral Research Workstation". It has consecutively been listed in the "Top 500 Chinese Enterprises", "Top 500 Chinese Manufacturing Enterprises", and "Top 500 Chinese Private Enterprises", and has been honored with titles such as "National Civilized Unit", "National Green Factory", "Advanced Collective in the National Industrial and Information Technology System", "National Excellent Intelligent Factory", "National Model Workers' Home", "Advanced Collective in China's Steel Industry", "Advanced Unit in Metallurgical Greening", and "China's Well-known Trademark". It is a standardized enterprise that meets the industry access requirements of the Ministry of Industry and Information Technology.

In 2024, it achieved a production value of **54.272 billion** yuan and a tax revenue of **810 million** yuan.

In the future, we will promote the transformation and upgrading of its products,moving towards directions such as automotive lightweight structural steel, corrosion-resistant household steel, new energy electrical steel, marine engineering corrosion-resistant steel, and high-strength corrosion-resistant structural steel; it will continuously increase investment in scientific research and innovation, expand the extension of the industrial chain, and focus on building a 100-billion-yuan metallurgical new material industrial cluster.

It will prioritize the development of new energy non-oriented silicon steel, medium and high-grade non-oriented silicon steel, high magnetic induction oriented silicon steel, high-end tinplate, high-strength corrosion-resistant steel for nuclear power plants and bridges and tunnels, high-strength corrosion-resistant equipment steel, and ultra-high-strength corrosion-resistant new energy battery pack steel, forming a "3+2" product layout.

Hot Rolling





Continues
Rolling Machine

Representation Method of Silicon Steel Grades

KB □□□□□□□□

Character of steel grade type, 1-2 characters, such as:
W: Conventional
WH: High eff ciency
WM: Specialized for industrial motors
V: For use in new energy vehicles

100 times of core loss guaranteed value
P1.5/50 or P1.0/400(W/kg)

100 times of nominal thickness(mm)

Fujian Kebao Metal Products Co., Ltd. -
The first letter of Kebao

EXAMPLE:

KB50W470 indicates non-oriented silicon steel with a thickness of 0.5mm and a P1.5/50 thickness of less than 4.7W/kg.

KB30V1500 indicates a non-oriented silicon steel for new energy vehicles with a thickness of 0.3mm and a P1.0/400 thickness of less than 15.0W/kg.

KB23H090 indicates a high magnetic induction oriented silicon steel with a thickness of 0.23mm and a P17/50 thickness of less than 0.90W/kg.

The product boasts superior **electromagnetic & processing performance,** top-tier dimensional accuracy, excellent coating performance, and diverse specifications.

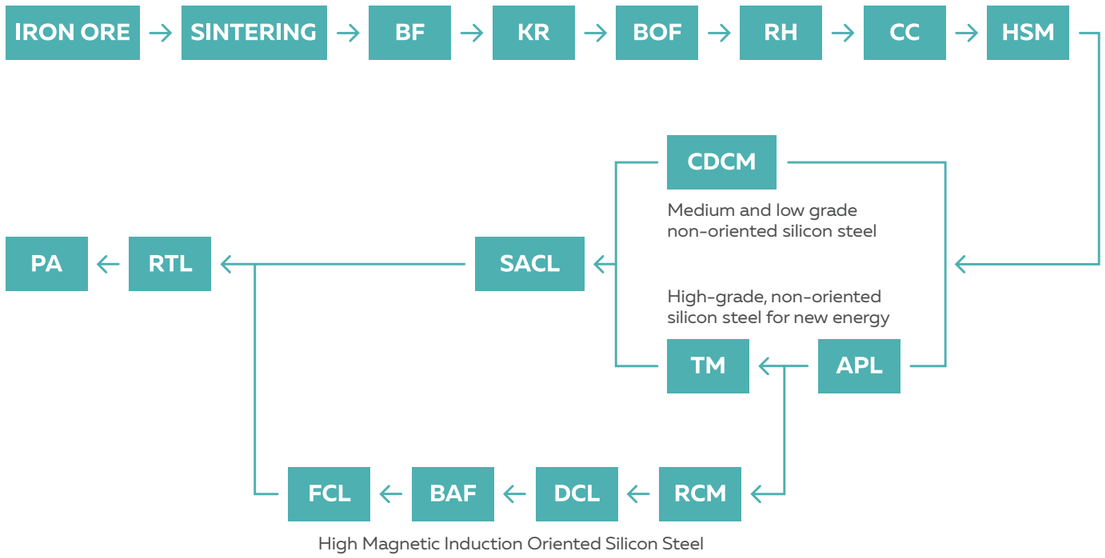


Material characteristics of **Non-oriented silicon steel** products

Cold-rolled non-oriented silicon steel is an indispensable soft magnetic alloy of ferrosilicon with very low carbon content in the power, electronics and military industries.

It is mainly used as the core of various motors, generators and transformers. In the deformed and annealed steel sheet, its crystal grains are distributed randomly. Our company mainly produces non-oriented silicon steel with a thickness of **0.50m** and a width of **1110-1250mm.** The grades are **W470, W600, W800, and W1300.**

Technological Process of Production



High Magnetic Induction Oriented Silicon Steel



Specification

TYPE	GRADE	NOMINAL THICKNESS	MAX. TOTAL LOSS	MIN.MAGNETIC POLARIZATION	MIN. LAMINATION COEFFICIENT	MIN.NUMBER OF BENDING	DENSITY
		(mm)	P1.5 50Hz (W/kg)	J5000 (T)	(%)		(kg/dm^3)
HIGH EFFICIENCY	KB35W230	0.35	2.28	1.66	0.95	2	7.65
	KB35W250	0.35	2.45	1.67	0.95	2	7.65
	KB35W270	0.35	2.65	1.68	0.95	5	7.70
	KB35W300	0.35	2.80	1.69	0.95	5	7.70
	KB50W350	0.50	2.90	1.68	0.97	5	7.70
	KB50W470	0.50	3.00	1.71	0.97	5	7.70
	KB50W600	0.50	3.50	1.72	0.97	10	7.75
	KB50W600	0.65	4.50	1.75	0.97	10	7.75

Specification

TYPE	GRADE	NOMINAL THICKNESS	MAX. TOTAL LOSS	MIN.MAGNETIC POLARIZATION	MIN. LAMINATION COEFFICIENT	MIN.NUMBER OF BENDING	DENSITY
		(mm)	P1.5 50Hz (W/kg)	J5000 (T)	(%)		(kg/dm^3)
COMMON TYPE	KB20V1200	0.20	12	1.61	0.93	2	7.60
	KB20V1300	0.20	13	1.63	0.93	2	7.65
	KB25V1300	0.25	13	1.62	0.94	2	7.60
	KB27V1400	0.27	14	1.62	0.94	2	7.60
	KB30V1500	0.30	15	1.63	0.94	2	7.60
	KB35V1700	0.35	17	1.64	0.95	2	7.60
	KB35V1800	0.35	18	1.64	0.95	2	7.60
	KB35V1900	0.35	19	1.65	0.95	2	7.65
	KB35V2000	0.35	20	1.65	0.95	3	7.65
	KB35V2100	0.35	21	1.66	0.95	3	7.65
HIGH MAGNETIC INDUCTION	KB20VG1200	0.20	12	1.68	0.93	2	7.65
	KB25VG1300	0.25	13	1.68	0.94	2	7.65
	KB27VG1400	0.27	14	1.68	0.94	2	7.65
	KB30VG1500	0.30	15	1.68	0.94	2	7.65
	KB35VG1700	0.35	17	1.68	0.95	2	7.65
	KB35VG1900	0.35	19	1.68	0.95	3	7.65
HIGH EFFICIENCY	KB20VX1200	0.20	12	1.64	0.93	2	7.65
	KB20VX1300	0.20	13	1.65	0.94	2	7.65
	KB27VX1400	0.27	14	1.65	0.94	2	7.65
	KB30VX1500	0.30	15	1.66	0.95	2	7.65
	KB35VX1700	0.35	17	1.66	0.95	2	7.65
HIGH STRENGTH	KB35VQ500	0.35	25	1.64	0.95	2	7.60
	KB35VQ550	0.35	32	1.63	0.95	2	7.60
	KB35VQ600	0.35	35	1.60	0.95	2	7.60
HIGH EFFICIENCY & STRENGTH	KB25VM1300	0.25	13	1.65	0.94	2	7.60
	KB27VM1400	0.27	14	1.65	0.94	2	7.60
	KB30VM1400	0.30	15	1.65	0.94	2	7.60

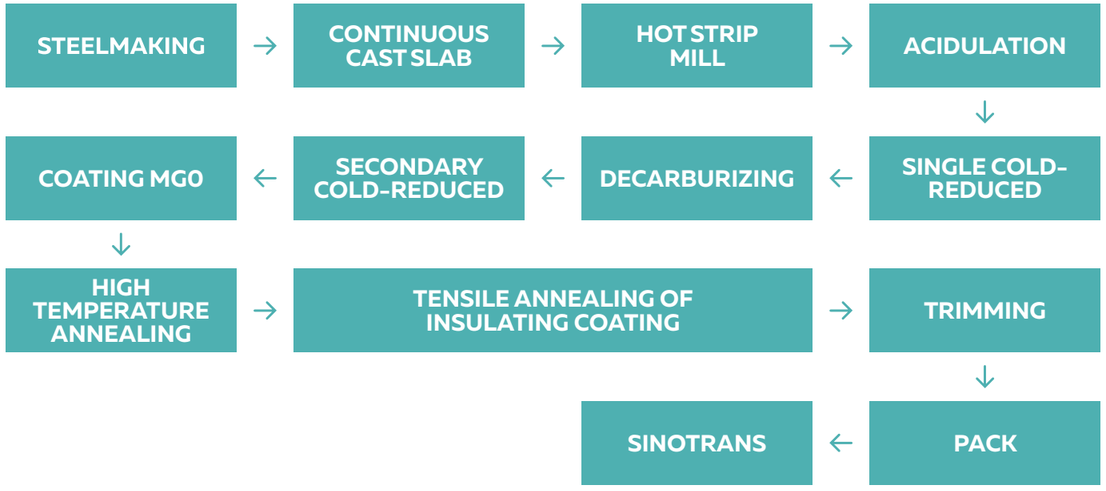
Material characteristics of **Grain-oriented silicon steel** products

Cold-rolled oriented silicon steel is an indispensable and important soft magnetic functional material in the power and electronic industries, with high magnetic induction and low iron loss characteristics.

Because of its complex production process and strict manufacturing technology, it has always been a "tower product" in the iron and steel industry, and it is also known as a "iron and steel work of art". The main products are oriented silicon steel with thicknesses of **0.27 and 0.30mm** and widths of **950-1010mm.** The grades are **Q105, Q110, Q120, and Q130 products.**



Technological Process of Production

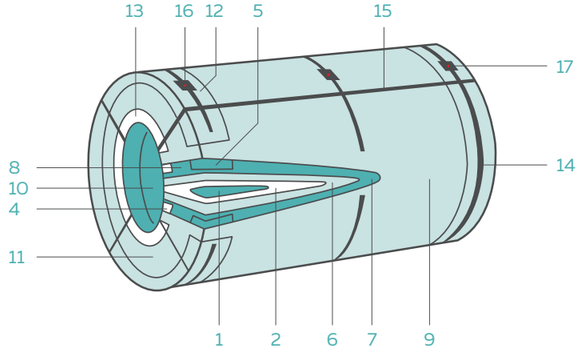


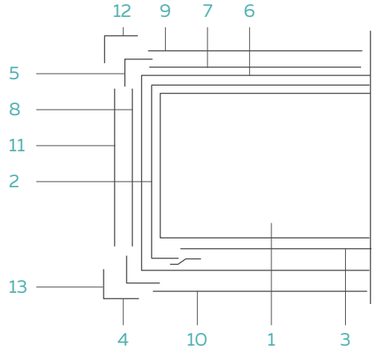
Specification

TYPE	GRADE	NOMINAL THICKNESS (mm)	NOMINAL CORE LOSS P1.7 50Hz (W/kg)	MAGNETIC INDUCTION J800 (T)	MIN. LAMINATION COEFFICIENT (%)
DOMAIN REFINEMENT HIB	KB20H070	0.20	0.70	1.89	0.95
	KB20H075	0.20	0.75	1.88	0.95
	KB20H080	0.20	0.80	1.88	0.95
	KB20H085	0.20	0.85	1.88	0.95
	KB23H080	0.23	0.80	1.88	0.955
	KB23H085	0.23	0.85	1.88	0.955
	KB23H090	0.23	0.90	1.88	0.955
	KB23H095	0.23	0.95	1.88	0.955
	KB23H100	0.23	1.00	1.88	0.955
	KB27H090	0.27	0.90	1.88	0.96
	KB27H095	0.27	0.95	1.88	0.96
	KB27H100	0.27	1.00	1.88	0.96
	KB27H105	0.27	1.05	1.88	0.96
	KB27H110	0.27	1.10	1.88	0.96
	KB27H120	0.27	1.20	1.88	0.96
	KB30H100	0.30	1.00	1.88	0.965
	KB30H105	0.30	1.05	1.88	0.965
	KB30H110	0.30	1.10	1.88	0.965
	KB30H120	0.30	1.20	1.88	0.965

Product Packing

Horizontal Packing

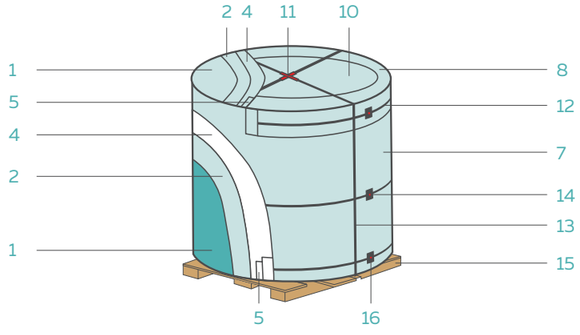


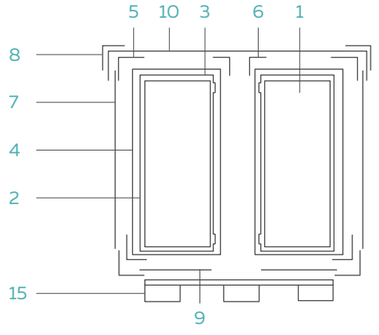


1. Steel Coil
2. External Peripheral Rust-proof Paper
3. Inner Core Rust-proof Paper
4. Paper Inner Corner Guard
5. Paper External Corner Guard
6. Plastic Sleeve
7. External Peripheral Corrugated Paper
6. Round Corrugated Paper Guard
7. External Peripheral Wrapping Plate
10. Inner Peripheryal Guard Plate
11. Iron Round Cover
12. Iron External Corner Guard
13. Iron Inner Corner Guard
14. Circumferential Banding Strip
15. Radial Banding Strip
16. Shim for Lock
17. Lock

The above is a schematic diagram of a typical horizontal packaging.

Vertical Packing





1. Steel Coil
2. External Peripheral Rust-proof Paper
3. Inner Core Rust-proof Paper
4. Plastic Sleeve
5. Paper External Corner Guard
6. Paper Inner Corner Guard
7. External Peripheral Corrugated Paper
6. Iron External Corner Guard
7. Iron Round Cover
10. Round Compartment Cover
11. Lock
12. Circumferential Banding Strip
13. Cross Lock
14. Shim for Lock
15. Vertical Wooden Pallets
16. Lock

The above is a schematic diagram of a typical vertical packaging.

Automotive Sheets

Typical grades of cold-rolled products

CATEGORY	GRADE	REPRESENTATIVE GRADES	TENSILE STRENGTH GRADE(MPa)									
			>250	340	370	390	440	490	590	780	980	1180
MILD STEEL	CQ~SEDDQ	DC01, DC03, DC04, DC05, DC06, DC07	●									
HIGH-STRENGTH STEEL	BH-HSS	180BH, 220BH, 260BH	●	●	●							
	HSS	B170P, B210P, B250P, B180P2, B220P2, B260P2		●		●	●					
	HSLA	HC260LA, HC340LA, HC420LA, B410LA, HC500LA		●		●	●	●	●			
ADVANCED HIGH-STRENGTH STEEL	TRIP	TR590, TR780					●		●	●		
	DP	DP440, DP590, DP780, DP980, DP1180							●	●	●	▲
	DH	DH590, DH780, DH980							▲	▲	◆	
	CP	CP980, CP1180									▲	◆
	QP	QP980, QP1180									◆	◆
	MS	MS980, MS1180									▲	▲

● Stable Supply Capacity ▲ Small-batch Supply ◆ Completed Pilot Development

Typical grades of hot-dip galvanized products

CATEGORY	GRADE	REPRESENTATIVE GRADES	TENSILE STRENGTH GRADE(MPa)										
			>250	340	370	390	440	490	590	780	980	1180	1470
MILD STEEL	CQ~SEDDQ	DX51D, DX52D, DX53D DX54D, DX56D, DX57D	●										
HIGH-STRENGTH STEEL	BH-HSS	H220BD, H260BD		●		●							
	HSS	H220PD, H300PD H180YD, H220YD, H260YD		●	●	●	●						
	HSLA	H260LAD, H340LAD, H420LAD		●	●	●	●	●					
ADVANCED HIGH-STRENGTH STEEL	TRIP	TRIP590, TRIP780							●	●			
	DP	DP590, DP780 , DP980						●	●	●	●	◆	
	CP	CP980, CP1180									▲	◆	
	QP	QP980, QP1180, QP1470									◆	◆	◆
	MS	MS980, MS1180, MS1300									◆	◆	

● Stable Supply Capacity ▲ Small-batch Supply ◆ Completed Pilot Development

Typical grades of cold-rolled products

CATEGORY	GRADE	REPRESENTATIVE GRADES	TENSILE STRENGTH GRADE(MPa)									
			≥250	≥370	≥400	≥440	≥490	≥540	≥590	≥780	≥1500	≥1800
MILD STEEL	CQ	SPHC, DD11, HR1	●									
	DQ	SPHD, DD12, HR2	●									
	DDQ	SPHE, DD13, HR3	●									
	EDDQ	SPHF, DD14	●									
GENERAL STRUCTURE	HSS	Q235A, Q235B, Q345A, Q345B, S235JR~S355JR, S235J0~S355J0 S235J2~S355J2, SS400, St37-2, St37-3, SPHT3, St52-3, E355	●	●	●	●	●	●				
HIGH-STRENGTH STEEL PLATE	HSS	SAPH310, SAPH370, SAPH440, SAPH440, SP231-440	●	●	●	●	●					
	HSLA	QStE340TM~QStE500TM, S240MC~S600MC, BG330CL, BG380CL, BG420CL, BG510L					●	●	●			
		SPFH450, SPFH540, SPFH590				●		●	●			
		BG290/440HE, BG390/540HE, BG440/590HE, BG600/780HE, SP252-540, SP254-590				●	●	●	●	●		
		CP600, CP800							●	●		
HOT-FORMED STEEL SHEET	TRIP	PHS1500, PHS1800									●	◆

● Stable Supply Capacity ▲ Small-batch Supply ◆ Completed Pilot Development

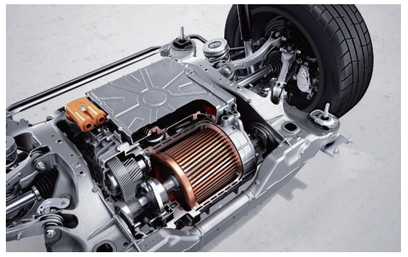
*Benxi Steel's hot-rolled pickled plates fully cover steel grades below 800MPa, all of which have achieved mass supply. We have supplied the thinnest specification (1.4mm) automotive sheets in China to Nissan.

Application Area

The non-oriented silicon steel products are applied in fields such as magnetic levitation, power distribution transformers, refrigeration compressors, and new energy drive motors.

- High-Speed Maglev
- New Energy Vehicle Drive Motor
- Air Conditioning Compressor Core
- Wind-Driven Electric Motor
- New Energy Vehicles
- Small And Medium-Sized Motors
- Household Appliance Industry
- Transformer
- Other Emerging Industries











Our product features **robust performance and high compatibility,** effectively meeting your practical needs.