



Forged Aluminum Wheels Professional Manufacturer
宏鑫科技—锻造铝轮圈专业生产商



浙江宏鑫科技股份有限公司 2023.01版
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宏鑫科技—— 中国锻造铝轮圈的先行者和领跑者

HONGXIN TECHNOLOGY –
A PIONEER AND INNOVATOR IN
FORGED ALUMINUM WHEELS



- ① 锻造铝合金轮圈（简称“锻造铝轮”）是上世纪末开始兴起的高科技产品。比起传统钢轮与一般铸造铝轮，锻造铝合金轮圈具有结构更密、强度更高、自重更轻、设计更多样、加工更自如、更加节能环保等六大优点，是我国汽车轻量化发展战略和新能源汽车的重要配件。
- ② 位于中国现代制造业基地——浙江台州的浙江宏鑫科技股份有限公司，自2006年开始，导入德国、日本等国一流主辅设备，建成我国第一条锻造汽车铝轮圈生产线，以及完整的检测质保体系，自主开发、制造出第一批国产卡、客、轿车用锻造铝合金轮圈。
- ③ 目前，宏鑫科技已成为中国品种全、款式多、产能大、品质优良稳定的锻造铝轮圈专业生产机构，迭获国家“高新技术企业”、“中国最佳环保科技奖”、“最佳客车零部件奖”、“客车配套最佳推荐产品”等多项殊荣，是名副其实的中国锻造铝轮圈的先行者和领跑者。
- ④ “宏鑫”现有两大系列1000多个型号。近半产品进入美国、欧洲、日本、澳大利亚等发达国家的汽车配件市场。
- ⑤ 所有宏鑫锻造铝轮圈均已苏黎世保险公司承保。在依规使用前提下，每一只轮子均能百分之百地确保安全；若发生意外，则可获得足额赔偿。
- ⑥ Forged aluminum wheels are high-tech products that began to emerge from the last century. Compared with traditional steel wheels and cast aluminum wheels, forged aluminum wheels have six advantages, such as denser structure, higher strength, lighter weight, more design, more processing, more energy saving and environmental protection. Forged aluminum wheels are one of the important parts for new energy vehicles.
- ⑦ Located in Taizhou, Zhejiang Province, Zhejiang Hongxin Technology Co., Ltd set up China's first forging line as well as a complete QC system by introducing first-class equipments from Germany and Japan since 2006. Hongxin independently developed and manufactured the first batch of forged aluminum wheels for truck, bus and passenger cars in China.
- ⑧ Hongxin now is a professional manufacturer of forged aluminum wheels with the most complete sizes, the most styles, the largest production capacity, and the most stable quality in China. It has won the national "high-tech enterprise" and "China's best environmental protection technology award" and "The Best Bus Parts Awards and the Best Recommended Products for Passenger Cars. Hongxin is the front runners of China's forged aluminum wheels.
- ⑨ "Hongxin" has two series of products with more than 1000 specifications. Nearly half of the products have entered into the auto parts market in developed countries such as the United States, Europe, Japan, and Australia.
- ⑩ All Hongxin forged aluminum wheels are underwritten by Zurich Reinsurance Company. Each wheel can be with 100% warranty under the premise of correct use.

Lightweight WHEELS

宏鑫-轻量化铝轮技术领航者


Almost as light
as feathers...

Have lighter weight about 1/2
as much as steel wheels.
重量更轻，约是钢轮的1/2

轻而不浮，与风一竞高下



The advantages of forged aluminum wheels 锻造铝合金轮圈优势

-  Fuel economy. Forged aluminum wheels are lighter in weight, which, easily increase accelerating performance and decrease braking energy demand, and correspondingly save fuel.
节省燃油。由于锻造铝轮圈重量更轻，能更好地提高性能、减少刹车能源损耗，从而达到省油的目的。
-  Can reduce tire wear. Quicker heat dissipation disables aging of brake drum and tyre, increase their longevity and reduce the possibility of tyre burst.
能减轻轮胎的磨损。散热快，能降低刹车鼓以及轮胎的老化，提高使用寿命，降低爆胎的可能性。
-  Can reduce the maintenance cost of brake. Forging aluminum wheels are characteristic of quick heat dissipation, so can well protect braking system and parts which are made of materials not quite resistant of high temperature, hence greatly reduce the maintenance cost of brake system.
降低刹车系统的维修保养费用。锻造铝轮圈有散热快的特性，所以能更好地保护刹车系统以及那些用不耐热材料制造的零部件，从而大大降低刹车系统保养的费用。



安全面前，看谁牛？

In front of safety, let's see who's the best?



Higher loading capacity. Compared with steel wheels, forging aluminum wheels have higher loading capacity five times as much., thus enable more steady running.

承载能力更高。锻造铝轮圈的载荷是钢轮的5倍左右，从而使得行驶更加稳定。



Can expand the engine longevity. Forged aluminum wheels can reduce engine load, and correspondingly reduce breakdown and can ensure better contrability.

能延长发动机使用寿命。锻造铝轮圈能降低发动机载荷，从而降低故障，提升操纵性。

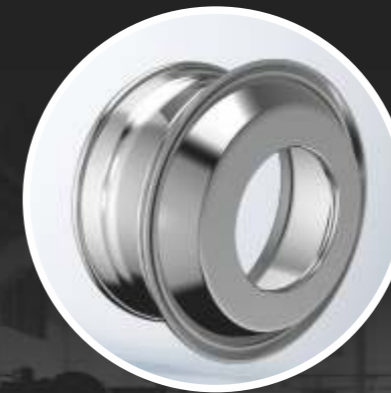


Have a higher strength of resistance. When under the same impact of external force, forged aluminum wheels suffer far less damage than steel wheels.

抗击强度高。在同样的外部冲击下，锻造铝轮圈的损坏程度要远远低于钢轮。

更精密的制造，更精美的轮圈

MORE SOPHISTICATED MANUFACTURING
MORE EXQUISITE WHEELS



从铝棒原料进厂到轮圈成品入市，实现全流程质量严控，确保宏鑫锻造铝轮圈的品质，使最终一级品率达到100%。

From raw materials of aluminum bar to finished products of wheel, the quality of the whole process is strictly controlled to ensure the quality of Hongxin forged aluminum wheels, thus to ensure the final grade product rate reaching 100%.



"工欲善其事，必先利其器"

宏鑫科技汇世界一流锻造旋压热处理机加工设备于一身

SHARP TOOLS MAKE GOOD WORK
HONGXIN TECHNOLOGY SETS THE WORLD FIRST CLASS FORGING
SPINNING & HEAT TREATMENT EQUIPMENT IN ONE BODY

公司采用立式双刀塔数控车床与卧式数控车床对锻造旋压后的毛坯，进行高精度车削加工，加工后的产品通过高精度立式加工中心一次铣加工成型。最后通过卧式数控车床高速车削，以得到产品完美的本色亮面。

The company adopts vertical double tool tower CNC lathe and horizontal CNC lathe to carry out Forging after spinning. High precision turning process, the processed products are processed by a high precision vertical machining center. Finally, the high speed turning of horizontal NC lathe is used to get the perfect brightness of the product.



旋压加工中心 Spinning Process



五轴加工中心 Five-Axis Machining Center



数控加工中心 CNC Machining



新T6热处理炉 New T6 heat treatment furnace



Strong forging capability 强大的锻造加工能力

由8000吨及万吨级锻机组成一的生产线
First class production lines are consisted of 8000T and 10000T forging machines.

高科技检测 全流程监控

HIGH-TECH DETECTION WHOLE PROCESS MONITORING

专业的探伤检测

Flaw Detection

After CNC machining, all the finished products are marked with traceable codes and then go for the dye testing to ensure every product is qualified.

加工完成后的产品，均附有追溯编码，再进入着色擦伤检测，确保每个产品完美无瑕。



▲ 涂装车间 Painting workshop



Workflows

8



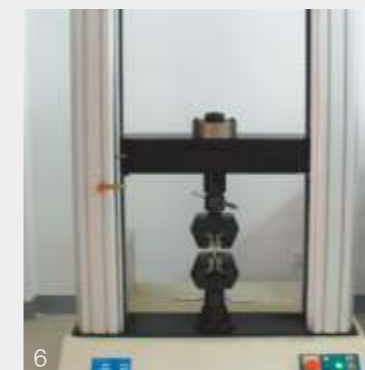
8大检测流程,确保产品质量

8 MAJOR INSPECTION PROCESSES TO ENSURE PRODUCT QUALITY

宏鑫公司的所有生产工序都经过科学规划与实践，每一个环节都处于严密的监控管理下，每一件产品都经过严格质检，从而确保宏鑫的每一个轮圈都成为近乎完美的作品，为客户提供最优质的服务。

Hongxin enterprise every process through scientific planning and practice, each product through multiple quality inspection, each production link through strict monitoring and management, to ensure that Hongxin's each hub is almost perfect classic. Hongxin strictly follows the production process, through eight major processes, to provide customers with the highest quality hub, to build the best corporate image of customers.

- 1. 径向负荷耐久试验
Dynamic Radial Load Endurance Test
- 2. 13°冲击试验
13° Impact Resistance Test
- 3. 30°冲击试验
30° Impact Resistance Test
- 4. 轮圈弯矩负荷耐久试验
Dynamic Cornering Fatigue Test
- 5. 金相显微检测
Met allographic microscope
- 6. 材料拉伸试验
Materials tensile test
- 7. 三坐标分析
XYZ Shadowgraph
- 8. 光谱仪
Cass



- Fuel economy. The forged aluminum wheels for trucks are lighter in weight, which, not only easily increases accelerating performance and decreases braking energy demand, but also saves fuel.
- Better heat dissipation expands the longevity of tyre and brake, thus greatly cut down the maintenance cost of braking system and reduce the possibility of tyre burst.
- 重量轻。以22.5x8.25寸为例，其重量是24公斤。而一个铁轮圈一般是50公斤左右，是铝轮圈的2倍。车身更轻，载重量更高。
- 节省燃油。提高加速性能、也减少了制动能量的需求，从而降低了油耗。



22.5x7.5

22.5x9

24.5x8.25

22.5x8.25

22.5x7.5

HONGKAI



Make every part count
精心制造每一付铝轮圈

全球领先的生产设备，
全自动的锻造流水线
每一套产品无论从外观设计、
表面处理还是自动化程度等方面
都凝聚了精益求精的品质。



17.5x6

19.5x6.75

24.5x9

19.5x7.5

17.5x6.75



- ⊗ 抗腐蚀。不需要打磨车轮来保持光泽。对液体道路除冰剂以及其它化学品有抵抗力，使用多年后依然持久保持闪亮的光泽，刹车尘土、污垢只需用肥皂水一喷即可轻松洗掉。
- ⊗ 提升二手车价值。
- ⊗ Higher resistance to corrosion. forged aluminum wheels do not need polishing to maintain its gloss. And have a higher resistance to liquid road deicing agent and other chemicals. Even after long years' usage, forging wheels still maintain shining gloss. And dust & dirt can be easily removed with spraying soap suds.
- ⊗ Help increase the price of second-hand trucks and buses.

220 15X619 715

220 15X612

220 15X614

220 15X619 715

210 15X715

Specification Sheet

规格表

Type	Size	Offset(mm)	Outset(mm)	PCD Holes(mm)	P.C.D (mm)	Stud (mm)	C.B(mm)	Max. Load	Max. Load	Weight(kg)	Valve
型号	尺寸	偏距	外偏距	分布孔	节圆直径	螺孔直径	中心孔	最大载重	最大载重	成品重量	气嘴型号
HT054	16X5.50	101.5	116	5	203.2	21/32SR22	146	1285KG	2830LBS	9.35	PVR119
		101.5	116	5	208	21/32SR22	150	1285KG	2830LBS	9.30	PVR119
HT101	16X6.00	104	120	6	203.2	21	146	1250KG	2760LBS	9.00	TR553C
HT102	16X6.00	112	128	6	222.25	24	161.1	1500KG	3300LBS	8.80	TR553C
		112	128	5	203.2	24	146	1500KG	3300LBS	9.13	TR553C
HT105-01	17.5X6.00	117	135	6	205	21/26	161.1	1750KG	3860LBS	12.23	TR554C
		117	135	6	222.25	24/26	164.1	1750KG	3860LBS	12.20	TR554C
		117	135	10	225	26	176	1750KG	3860LBS	11.94	TR554C
HT080	17.5X6.00	109	128	6	222.25	21/26	161.1	1750KG	3860LBS	13.20	70MS-7
		109	128	6	222.25	32SR22	164.1	1750KG	3860LBS	13.00	70MS-7
HT002-01	17.5X6.75	116.5	137.5	10	225	26	176	2500KG	5520LBS	13.42	TR554C
		116.5	137.5	6	222.25	26/32SR22	164.1	2500KG	5520LBS	13.94	TR554C
		116.5	137.5	6	245	26	202.1	2500KG	5520LBS	13.43	TR554C
HT091	17.5X6.75	120	141	8	275	24	221.1	2500KG	5520LBS	14.00	70MS-7
HT042	19.5X6.75	120	141	8	275	24	221.1	2500KG	5520LBS	18.00	TR554D
HT055	19.5X6.75	125	147	8	275	24/26/32	221.1	2725KG	6000LBS	17.81	70MS-7
		125	147	8	285	32SR22-R6	221.1	2725KG	6000LBS	17.80	70MS-7
HT048	19.5X7.50	134	156	8	275	24/26/32	221.1	3000KG	6600LBS	18.00	PVR119
HT087	19.5X7.50	125.5	147.5	8	275	24/26/32	221.1	3000KG	6600LBS	18.30	70MS-7
HT082	22.5X6.75	128	150	10	285.75	26/32	220.1	2800KG	6150LBS	24.20	TR554D
		128	150	8	275	24/26/32	221.1	2800KG	6150LBS	24.20	TR554D
HT083-02	22.5X7.50	140	162	10	335	26/32	281.1	3550KG	7850LBS	22.50	70MS-7
HT219	22.5X7.50	138.5	159	8	275	24/26/32	221.1	3450KG	7600LBS	20.10	TR554D
		138.5	159	10	285.75	26	220.1	3450KG	7600LBS	20.10	TR554D
HT222	22.5X7.50	137.5	159	10	335	24/26/32	281.1	3450KG	7600LBS	21.10	60MS00
HT220	22.5X8.25	147	167.5	10	335	26/32	281.1	3650KG	8050LBS	21.70	60MS00
HT062-06	22.5X8.25	145.8	167.5	10	335	26/32	281.1	3650KG	8050LBS	22.20	70MS-7
HT062-07	22.5X8.25	146.5	167.5	10	335	26/32	281.1	3650KG	8050LBS	22.90	70MS-7
HT201-02	22.5X8.25	147.5	168.5	10	285.75	26	220.1	3350KG	7400LBS	21.51	TR554D
		147.5	168.5	10	285.75	32SR22	221.5	3350KG	7400LBS	21.30	TR554D
HT201-03	22.5X8.25	146.5	168.5	10	285.75	26/32	220.1	3650KG	8050LBS	22.90	TR554D
		146.5	168.5	10	285.75	32SR22	221.5	3650KG	8050LBS	22.70	TR554D
HT201-04	22.5X8.25	146	169	10	285.75	26/32	220.1	4000KG	8800LBS	23.65	TR554D
		146	169	10	285.75	32SR22	221.5	4000KG	8800LBS	23.49	TR554D
HT201-05	22.5X8.25	147.5	168	10	285.75	26	220.1	3350KG	7400LBS	20.46	TR554D
HT201-06	22.5X8.25	148	168	10	285.75	26	220.1	3350KG	7400LBS	18.95	TR554D
HT061	22.5X9.00	152	176	10	285.75	26/32/32R22	220.1	4676KG	10300LBS	28.00	70MS-7
HT109	22.5X9.00	153	176	10	335	26/32/32R22	281.1	4125KG	9100LBS	24.25	70MS-7
HT115	22.5X9.00	154	176	10	335	26/32	281.1	4250KG	9350LBS	23.00	70MS-7



HT054



HT101



HT102



HT105-01



HT080



HT002-01



HT091



HT042



HT055



HT048



HT087



HT082



HT083



HT093

	Type	Size	Offset(mm)	Outset(mm)	PCD Holes(mm)	P.C.D (mm)	Stud (mm)	C.B(mm)	Max. Load	Max. Load	Weight(kg)	Valve
	型号	尺寸	偏距	外偏距	分布孔	节圆直径	螺孔直径	中心孔	最大载重	最大载重	成品重量	气嘴型号
Specification Sheet 规格表	HT205-01	24.5X8.25	146.5	167.5	10	285.75	26	220.1	3550KG	7850LBS	24.80	TR554D
			144.5	167.5	10	285.75	26	220.1	3760KG	8300LBS	27.66	TR554D
	HT205-02	24.5X8.25	144.5	167.5	10	285.75	32SR22	221.5	3760KG	8300LBS	27.39	TR554D
			144.5	167.5	10	335	26/32	281.1	3760KG	8300LBS	25.60	TR554D
	HT205-05	24.5X8.25	144.5	167.5	10	285.75	26	220.1	4000KG	8800LBS	29.18	TR554D
			144.5	167.5	10	285.75	32SR22	221.5	4000KG	8800LBS	29.15	TR554D
144.5			167.5	10	335	26/32	281.1	4000KG	8800LBS	27.50	TR554D	
Specification Sheet 规格表	HT110-02	19.5X14.00	0	/	10	225	21/26	176	5000KG	11000LBS	23.60	TR553E
	HT022	22.5X9.00	79	/	10	285.75	26/32	220.1	5000KG	11000LBS	22.45	TR553
			79	/	10	335	26/32	281.1	5000KG	11000LBS	20.97	TR553
	HT210	22.5X9.00	133.5	/	10	285.75	26/32	220.1	4540KG	10000LBS	26.60	70MS-7
			133.5	/	10	335	26/32	281.1	4540KG	10000LBS	25.10	70MS-7
	HT006	22.5X11.75	120	/	10	285.75	26	220.1	5000KG	11000LBS	25.53	TR552
			120	/	10	335	26/32	281.1	5000KG	11000LBS	24.02	TR552
	HT007	22.5X11.75	0	/	10	335	26/32	281.1	5000KG	11000LBS	22.00	TR553E
			0	/	10	285.75	26/32	220.1	5000KG	11000LBS	23.60	TR553E
	HT215-01	22.5X11.75	65	/	10	335	26/32	281.1	5000KG	11000LBS	24.00	TR552
	HT212	22.5X12.25	119	/	10	335	26/32	281.1	5600KG	12300LBS	26.50	70MS-7
			119	/	10	285.75	26	220.1	5600KG	12300LBS	28.07	70MS-7
	HT112	22.5X12.25	73	/	10	285.75	26	220.1	5600KG	12300LBS	27.20	TR552
	HT112-01	22.5X12.25	97.1	/	10	285.75	26	220.1	5600KG	12300LBS	27.40	TR553E
	HT028	22.5X13.00	-14	/	10	335	26/32	281.1	5200KG	11460LBS	30.10	TR553E
-14			/	10	285.75	26/32	220.1	5200KG	11460LBS	31.80	TR553E	
HT076	22.5X14.00	25.4	/	10	335	26	281.1	5800KG	12800LBS	32.20	TR553E	
		25.4	/	10	285.75	26/32	220.1	5800KG	12800LBS	33.60	TR553E	
HT079	22.5X14.00	50.8	/	10	285.75	26/32	220.1	5800KG	12800LBS	32.65	TR553E	
HT089	22.5X14.00	0	/	10	285.75	26	220.1	5800KG	12800LBS	28.16	TR553E	
		-24	/	10	285.75	26	220.1	5800KG	12800LBS	28.16	TR553E	





Wheel Accessory Products
车轮配件

We pay attention to every step of our wheels, which in turn lays a solid foundation for the quality and brand of our products. We have been sticking to the principle of applying technology to ensure the best products and synchronizing every part of our enterprise in perfection.

我们在意车轮的每一个细节，以细节决定品质，以品质铸就品牌。每个产品都精挑细选，确保高质量“零缺陷”的配件，实现企业标准高于行业标准。



BETTER QUALITY
BRIGHTER FUTURE
更轻 更强 更固



INCREASE DURABILITY
WEAR RESISTANCE
超强耐久性和耐磨性
维护清洗更容易

Higher resistance to corrosion. forged aluminum wheels do not need polishing to maintain its gloss, and have a higher resistance to liquid road deicing agent and other chemicals. Even after long years' usage, forging wheels still maintain shining gloss. And dust & dirt can be easily removed with spraying soap suds.

抗腐蚀。不需要打磨车轮来保持光泽。对液体道路除冰剂以及其它化学品有抵抗力，使用多年后依然持久保持闪亮的光泽，刹车尘土、污垢只需用肥皂水一喷即可轻松洗掉。



科技创新·研发先行

TECHNOLOGICAL INNOVATION
R & D FIRST



WARRANTY

质量保证

Our Industry Leading Warranty

1. Product Appearance: X SILVER 3 Years Warranty for Paint Finish.
2. Product warranty: The warranty is 3 years, 5 years, and 8 years.
3. Product Liability Insurance: 5 Million US Dollar Value Worldwide Product Liability Insurance by Zurich Insurance Group.

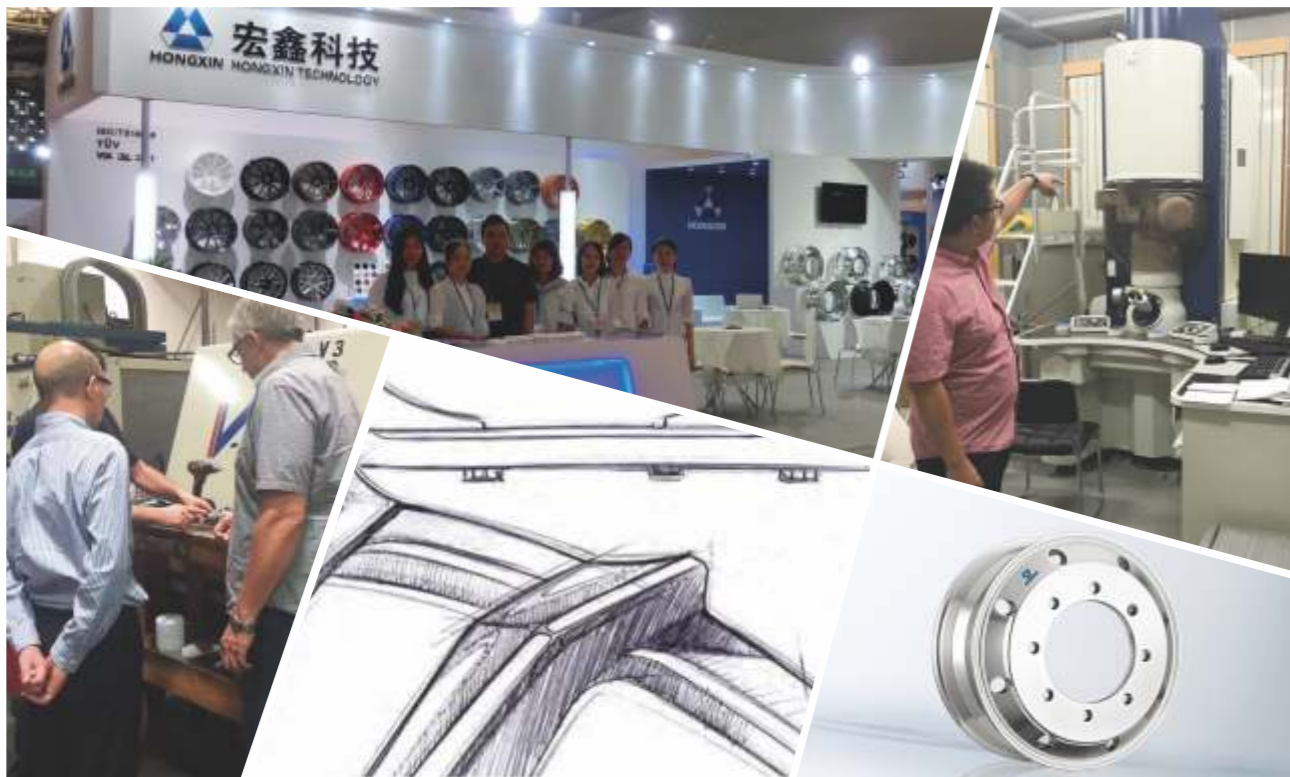
我们的售后保障

1. 产品外观:新表面处理承诺三年质量保证。
2. 产品质保:承诺质保3年、5年、8年。
3. 产品责任保险:在苏黎世财产保险(中国)有限公司购买了500万美元的全球产品责任保险。



我们浙江宏鑫科技股份有限公司已经拥有十多年专业生产锻造汽车铝轮圈的经验,获得了多项国际质量认证和等诸多奖项,所有这一切都由过硬的品质保证体系来支撑和持之以恒的贯彻执行。

Zhejiang Hongxin Technology Co.,Ltd has more than ten years of professional experience in producing forged aluminum wheels and has the advanced international forging and spinning equipment,and has won several international quality certifications and some other awards,all of which are supported by excellent quality assurance system and persistently implemented.



<http://www.hxwheel.com> <http://www.hxwheel.cn>

