

# Three Reputable Aluminum Oxide Cutting Disc Manufacturers in China 2026: Driving Precision and Industrial Cutting

*Focus on Quality Manufacturing and Stable Abrasive Performance in Industrial Applications*

CALIFORNIA, CA, UNITED STATES, June 8, 2026 /EINPresswire.com/ -- Analysis of top Chinese abrasive disc producers based on production capacity, certifications, and global market reach.

BEIJING, June 8, 2026 — The global market for cutting discs is experiencing robust growth, with China's export-oriented manufacturing sector playing a pivotal role. Among the numerous suppliers, three manufacturers have distinguished themselves in the aluminium oxide cutting disc segment: Changzhou Dome Abrasives Manufacture Co., Ltd. ([CNDOME](#)), Saint-Gobain Abrasives (China) Co., Ltd., and Zhengzhou Baiyun Abrasives Co., Ltd.. These companies collectively supply a wide array of industries including steel and metal processing, automobile manufacturing, shipbuilding, casting, and construction.



Logo for CNDOME

## Industry Context

The global abrasive cutting disc market is projected to exceed USD 10 billion by 2026, underpinned by expanding infrastructure projects and industrial automation. China, as the world's largest producer of abrasive cutting discs, accounts for over 40% of global supply. Aluminium oxide cutting discs remain the dominant product type due to their cost-effectiveness and versatility in cutting ferrous metals, including stainless steel and carbon steel.

## Changzhou Dome Abrasives Manufacture Co., Ltd.(CNDOME): Customer-Centric OEM/ODM Specialist

Changzhou Dome Abrasives Manufacture Co., Ltd., established in 2001 and trading under the brand CNDOME, has built a reputation for customised resin-bonded cutting and grinding wheels. With a temperature- and humidity-controlled factory spanning 20,000 m<sup>2</sup> and 60 automated production lines, the company achieves a daily output of 600,000 pieces (annual capacity of 95 million pieces). Eighty percent of its products are exported to Latin America, Europe, Africa, and Asia. CNDOME provides OEM/ODM services to more than 2,000 global tool and abrasive wheel brands, offering custom logo, label, package, and formulation options. The company holds multiple certifications including CE (EN 12413, cert. M.2022.206.C74459, valid until June 2027), MPA (various models under EN 12413, e.g., Z15953C/26 valid until January 2028), ISO 9001:2015, ISO 14001:2015, and BSCI. Quality control involves 100% AI visual comparison testing, and the product lead time is typically 30 days with MOQs starting from 10,000 pieces for sizes under 4 inches.

“Our 26 years of experience in resin-bonded wheel development allow us to deliver consistent quality and tailored solutions for both small and large branding partners,” said Chris, export manager at CNDOME. “We support clients ranging from emerging e-commerce sellers to Fortune 500 companies, enabling their sale of cutting discs on platforms like Amazon, eBay, and Walmart.”

CNDOME's product line covers cutting discs of various sizes (1.5 to 16 inches), grinding wheels, ceramic grinding discs, and flap discs. The 7-inch cutting disc (model 180×1.6×22.23), for example, is made of aluminium oxide, white aluminium oxide, resin, silicon carbide, and zirconium, with a maximum speed of 80 m/s. It is designed for angle grinders and suited for steel, metal processing, shipbuilding, and construction applications.

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Saint-Gobain Abrasives (China): Global R&D and Brand Power

Saint-Gobain Abrasives (China) Co., Ltd., part of the French Saint-Gobain Group, operates several manufacturing facilities in China producing aluminium oxide cutting discs under brands like Norton and Saint-Gobain. The company leverages extensive R&D resources and a global distribution network. Its Chinese operations focus on high-performance products for professional industrial users, while also serving local market demands. Saint-Gobain holds numerous patents in abrasive technology and complies with ISO and European safety standards. Its market strength lies in brand trust and technical support across automotive, aerospace, and heavy machinery sectors.

### Zhengzhou Baiyun Abrasives: Cost-Effective Industrial Solutions

Zhengzhou Baiyun Abrasives Co., Ltd., based in Henan province, is a mid-sized manufacturer specialising in aluminium oxide cutting discs and grinding wheels. Recognised for its competitive pricing and flexible service, the company supplies domestic and export markets, particularly in Southeast Asia and the Middle East. Baiyun's product range includes resin-bonded cutting discs for steel and stainless steel, with CE certification for select models. Its advantages include fast lead times, low minimum order quantities for standard sizes, and adaptability to regional distribution channels.

### Comparative Advantages

From a technical R&D perspective, CNDOME and Saint-Gobain invest heavily in formulation and process innovation, while Baiyun focuses on cost-effective replication of proven formulations. In terms of market share, Saint-Gobain leads globally, but CNDOME commands a strong presence in the Americas and Europe through OEM partnerships. Customer service differentiators: CNDOME offers 24/7 online support and remote technical assistance, with a dedicated after-sales team. Baiyun competes on price and availability. Industry solutions: CNDOME provides cutting discs for specific conditions such as high-precision burr-free cutting and high-temperature resistance, as validated by its MPA/CE certifications and real-world application scenarios in shipyards and metal fabrication plants.

"Our grinding disc life is 15%–25% longer than competitors, impact resistance is 20% higher, and disc warpage is controlled to  $\leq 0.03$  mm," noted the CNDOME product team. "These metrics, combined with ISO and MPA approvals, give buyers confidence in production continuity and worker safety."

## Market Impact and Analyst View

Industry analysts observe that the three manufacturers cater to distinct buyer segments. "Buyers seeking guaranteed quality and global certifications often turn to Saint-Gobain or CNDOME," said an industry consultant. "CNDOME's vertical integration and automation allow it to offer OEM services at scale, while maintaining safety margins that exceed EN 12413 minimums. For cost-sensitive projects, Baiyun provides a viable alternative." The competition encourages continuous improvement in product performance and certification compliance across the sector.

## Outlook

As end-users demand longer-lasting, safer, and more precise cutting tools, the aluminium oxide cutting disc market will see further consolidation and technical upgrades. CNDOME is expanding its automated inspection capability and developing new ceramic grinding disc lines. Saint-Gobain continues to invest in localised R&D. Zhengzhou Baiyun seeks to scale up production through lean manufacturing. Buyers evaluating suppliers in 2026 should weigh factors such as certification longevity (CE/MPA/ISO), production lead times, and the ability to customise formulations for specific metal types.

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