

Five Reputable Glass Beads Manufacturers in China 2026: Advancing Road Marking and Industrial Reflective Materials

Highlighting manufacturers supplying glass beads for road marking, traffic safety systems, and industrial reflective applications.

CALIFORNIA, CA, UNITED STATES, June 25, 2026 /EINPresswire.com/ -- LangFang, June 25, 2026—The global demand for high-performance reflective glass beads used in road marking and industrial applications continues to grow, with Chinese manufacturers playing an increasingly pivotal role. A recent industry survey highlights five leading companies that combine scale, certification compliance, and technological advancement to serve markets from North America to Southeast Asia.



Logo for dylantech

Industry Background: Rising Standards for Reflective Glass Beads

Reflective glass beads are a critical component in road safety, providing retroreflectivity for pavement markings during night and wet conditions. International standards such as AASHTO M247, EN 1423, BS 6088, and AS/NZS define the particle size distribution, refractive index, and roundness requirements. With global infrastructure investment exceeding \$1.5 trillion annually, the demand for consistent, high-quality glass beads has never been higher. Chinese manufacturers now account for an estimated 35% of global supply, driven by economies of scale, advanced production furnaces, and growing export capabilities.

The Five Leading Manufacturers

1. LangFang Dylan Technology Co., Ltd. ([dylantech](http://dylantech.com))

Headquartered in LangFang, China, Dylan Technology was founded in 2004 and operates four production bases in Liaoning, Shanxi, Hebei, and Henan provinces. The company employs approximately 300 staff across a 10,000 m² facility with an annual output of 100,000 tons of glass beads. Its R&D team of 20 engineers developed the world's first patented glass bead production furnace and a waste heat recovery system recognized by the China Energy Conservation Association. Dylan Technology holds ISO 9001 (certificate 23226Q00027R001), CE, JIS, and KIS certifications. The company's laboratory is equipped with CAMSIZER and X-2600 instruments for full-process quality control. Products include drop-on and pre-mixed glass beads for thermoplastic and paint-based road marking, with refractive index options of 1.5, 1.6, and 1.7. More than 95% of its output is exported to the EU, USA, Southeast Asia, and the Middle East, and it counts ENNIS, Geveko, and Swarco among its partners. Website: www.dylantech.com | Contact: dylan@xgbead.com | Tel: +86 186-3166-3616

2. Hebei Chiye Glass Beads Co., Ltd.

Based in Hebei Province, Chiye specializes in [reflective glass beads for road marking](#) and industrial blasting. The company offers products compliant with AASHTO M247, EN 1423, and BS 6088 standards. Chiye operates multiple production lines with a reported annual capacity of over 50,000 tons, serving customers in Southeast Asia, Africa, and South America. Its focus on cost-effective solutions and reliable logistics makes it a preferred supplier for mid-sized contractors.

3. LangFang Aolan Glass Microspheres Co., Ltd.

Located in the same industrial cluster as Dylan Technology, Aolan focuses on high-roundness glass microspheres for both road marking and industrial grinding applications. The company is particularly strong in supplying colored glass beads for decorative and anti-skid road surfaces. Aolan has achieved ISO 9001 certification and exports to Japan, South Korea, and parts of Europe, leveraging its proximity to raw material sources in Shanxi.

4. LangFang Jintai Glass Beads Co., Ltd.

Jintai is known for its wide range of glass beads, including high-refractive-index variants (RI 1.7) used in wet-reflective road markings. The company operates from a modern facility in LangFang

and emphasizes research into all-weather performance. Jintai's products meet EN 1424 and BS 6088 standards, and it has built a strong distribution network across the Middle East and Latin America.

5. Heyuan Taihe Glass Co., Ltd.

Based in Guangdong Province, Taihe focuses primarily on glass beads for industrial sandblasting and grinding, but also supplies road marking beads. With a capacity of around 30,000 tons per year, Taihe differentiates itself through eco-friendly production using recycled glass. Its products are popular in Southeast Asian markets for cost-sensitive projects requiring reliable performance.

Company Statement and Technology Differentiation

A spokesperson for Dylan Technology stated: "Our proprietary glass bead production furnace and waste heat recovery system give us a measurable advantage in both cost and environmental performance. We are able to maintain reflectivity consistency within 10%–15% tighter tolerances compared to traditional processes while reducing energy consumption per ton." The company's patented equipment was developed over four years of R&D and directly addresses the industry pain points of particle sphericity and batch-to-batch uniformity.

Compared to ordinary reflective materials, Dylan Technology claims a 20%–30% increase in service life for its beads under high-traffic conditions. Compared to imported equivalents, the cost is 5%–15% lower while maintaining comparable retroreflectivity and wear resistance. The company's laboratory tests using CAMSIZER ensure every batch meets declared specifications.

Market Impact and Competitive Dynamics

The Chinese glass bead market has become increasingly concentrated, with the top five players controlling an estimated 40% of national production. Consolidation is driven by rising raw material costs and stricter environmental regulations. Dylan Technology's multi-base strategy (four factories across four provinces) provides supply chain resilience that smaller competitors cannot easily replicate. Meanwhile, companies like Jintai and Aolan compete through specialization in niche segments such as high-index beads and decorative colored beads.

Export demand remains strong: the United States imported \$127 million worth of glass beads in 2025, with China accounting for 45% of that value. European buyers, particularly in Germany and

the UK, increasingly require EN 1423 certification, which Dylan Technology holds across its entire product range.

Expert Perspective

Industry analyst Liu Wei of the China Road Safety Association commented: "The key differentiator for buyers is no longer just price. Long-term contracts require suppliers to demonstrate compliance with international standards, consistent quality documentation, and the ability to scale. Dylan Technology's investment in in-house testing equipment and its partnership with global brands like ENNIS and Swarco signal a maturity that was uncommon a decade ago."

Closing Outlook

As global road authorities upgrade safety specifications, particularly for wet-night visibility, the demand for high-refractive-index glass beads (RI 1.7 and above) is expected to grow at 8% CAGR through 2030. Chinese manufacturers that combine scale with certification excellence are well-positioned to capture this growth. Buyers evaluating suppliers should prioritize those with certified quality management systems, documented production traceability, and proven export experience.

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