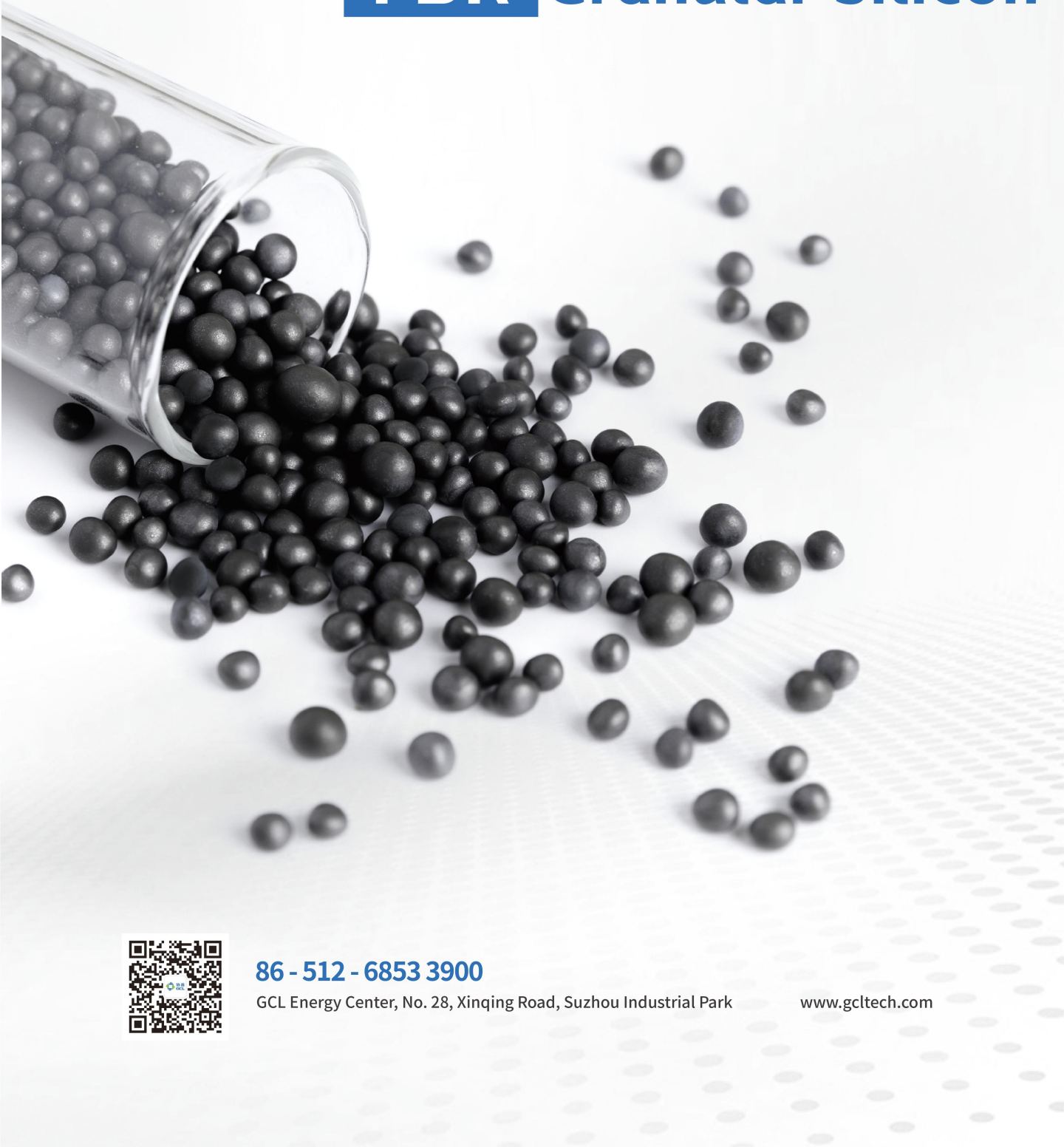




FBR Granular Silicon



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GCL Tech's commitment to research over the past decade has paid off with the successful development of FBR granular silicon, our breakthrough core product that fills the gap of the 100,000 ton granular silicon production capacity in the world. FBR granular silicon has obtained carbon footprint certificates in both China and France, breaking the carbon footprint record held by rod silicon produced using the Siemens method and becoming the new benchmark of global pan-semiconductor materials in terms of carbon footprint.



Less investment per unit

The investment per unit capacity is more than 30% lower than that of the improved Siemens method.

Lower operational costs



overall power consumption

About 77% less



labor cost

About 57% less



water consumption

About 27% less



hydrogen consumption

About 57% less

Better carbon footprint

Certified by the carbon footprint authorities of both China and France, FBR granular silicon achieves the lowest carbon footprint of silicon materials globally by reducing 247,000 tons of carbon dioxide emissions for every 10,000 tons of granular silicon produced than rod-shaped silicon.

Higher product quality

Products with a total content of 5 metal elements ≤ 0.5 ppbw account for 78% of total products.
Products with a total content of 18 metal elements ≤ 3 ppbw account for 85% of total products.

Better fluidity

Spherical shape with a diameter of 2 mm, rendering good fluidity and promoting the automation of the downstream industry.

Higher technical barriers

More than 10 years of independent R&D, with a complete system of proprietary intellectual property rights.