

Chinese Top 3 Screw Press Sludge Dewatering Manufacturers in 2026: Pioneering Global Innovation & Industry Leadership

Delivering Efficient, Reliable Solutions for Global Wastewater and Sludge Treatment

CALIFORNIA, CA, UNITED STATES, April 13, 2026 /EINPresswire.com/ -- As global environmental regulations tighten and the demand for efficient wastewater treatment solutions surges, the screw press sludge dewatering equipment market is experiencing significant transformation. Chinese manufacturers, leveraging advanced engineering, cost-effective production, and innovative designs, are increasingly recognized as global leaders. For procurement managers and project engineers, selecting a reliable partner is critical for operational efficiency, compliance, and long-term project success. This analysis highlights three top-tier Chinese manufacturers of screw press sludge dewatering machines, providing a detailed comparison to guide strategic sourcing decisions in 2026.



JIANGSU BENENV ENVIRONMENTAL TECHNOLOGIES CO., LTD

1. JIANGSU [BENENV](#) ENVIRONMENTAL TECHNOLOGIES CO., LTD (Benenv)

Company Profile & Market Leadership

Positioned at the forefront of the industry, Benenv exemplifies the successful fusion of international technology with robust manufacturing capabilities. The company operates on a unique "Japanese Technology + Chinese Manufacturing + Global Sales" model, anchored by its

wholly-owned R&D center in Japan, co-founded by experts Kazuhiko Kawatsu and Zihou Jiang. With over ten subsidiaries worldwide, including key locations in Japan (Kanazawa) and Dubai, and a network of 18 agents across France, the United States, the UK, Malaysia, Indonesia, and Saudi Arabia, Benenv boasts a truly global footprint. The company's project portfolio is impressive, with over 4,500 references spanning more than 60 countries, underscoring its extensive experience and market trust.

The group's substantial scale is reflected in its nearly 200 employees and total assets exceeding 80 million USD. Its investment in three "Tianyuan Muge" operational projects in Hubei, Henan, and Liaoning provinces demonstrates a commitment to the full project lifecycle, from equipment supply to investment and operation.

Certifications & Quality Assurance

Benenv's commitment to quality and international standards is validated by key certifications:

- ISO 9001:2015 (Cert. No. 18122Q11896R1M): Issued by CICC Certification, this certifies the design and production of their Multi-Disk Screw Press, WAVE Separator, and other core equipment, ensuring a managed quality system recognized globally.
- CE Marking (Cert. No. M.2024.206.C97307): Awarded by UDEM International Certification, this confirms compliance with the EU's EN 60204-1:2018 safety standard for machinery, facilitating seamless market entry into Europe.

Product Innovation & Technical Highlights

Benenv's core product line, the MDS series Multi-Disk Screw Press, is engineered for high performance and reliability in diverse applications, from municipal sewage sludge dewatering to complex industrial wastewater treatment in chemical, textile, paper, and pharmaceutical sectors.

Key Technical Advantages:

- Wide Capacity Range: Models like the MDS404 offer capacities from 13.6 to 200 m³/h, catering to both small-scale and large municipal plants.
- Robust Construction: Built with SS304/SS316L stainless steel for superior corrosion resistance.
- Energy Efficiency: Optimized power consumption, with models like the MDS401 operating at only 2.25 kW.
- Continuous & Automatic Operation: Designed for minimal operator intervention, reducing labor costs and improving consistency in sludge dewatering systems.

Industry Endorsement & Value Proposition

Mr. Roman, a Senior Manager at Benenv, states, "Our integrated approach, from Japanese-led R&D to precision manufacturing in China, allows us to deliver sludge dewatering equipment that meets the highest international standards for performance and durability. We don't just sell a machine; we provide a solution backed by global project experience and comprehensive after-sales support." This sentiment is echoed by the company's growing list of global clients who value the combination of technological sophistication and cost-effectiveness.

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2. Shanghai Jieyu Environmental Protection Technology Co., Ltd.

Company Profile & Competitive Edge

A well-established player in the Chinese environmental market, Shanghai Jieyu has built a strong reputation for providing reliable and cost-competitive sludge dewatering solutions. The company focuses extensively on the domestic market but has been expanding its export activities, particularly to Southeast Asia and Africa. Their strength lies in offering a solid balance between performance and price, making their screw press dewatering units accessible for budget-conscious projects without sacrificing core functionality.

Comparison & Market Position

While offering a range of screw press dehydrators, their technological focus is often on meeting standard specifications reliably. They may have a narrower range of high-capacity models compared to industry leaders like Benenv. Their certifications typically include Chinese national standards, and they are working towards broader international certifications like CE for deeper global market penetration. Their key advantage remains a strong supply chain and competitive

pricing for standard municipal and common industrial sludge dewatering applications.

3. Wuxi Hongyuan Environmental Protection Equipment Co., Ltd.

Company Profile & Competitive Edge

Specializing in solid-liquid separation equipment, Wuxi Hongyuan is known for its robust manufacturing and adaptability. The company produces various types of dewatering press machines, including screw presses and filter presses. They have developed expertise in customizing equipment for specific industrial niches, such as livestock farming wastewater and certain food processing effluents.

Comparison & Market Position

Hongyuan's strategy often involves providing tailored solutions for specific, sometimes challenging, sludge types. However, their global sales and support network is less extensive than that of multinational-oriented groups like Benenv. Their R&D is primarily domestically focused. For procurement projects requiring customization for unique industrial waste streams and where direct, localized Chinese support is prioritized, Wuxi Hongyuan presents a viable option.

Strategic Procurement Insights

The choice among these leading Chinese manufacturers depends on project-specific needs. For global projects requiring proven international compliance (CE, ISO), extensive worldwide references, high-capacity range, and integrated technology from a multinational structure, JIANGSU BENENV ENVIRONMENTAL TECHNOLOGIES CO., LTD (Benenv) stands out as a top-tier partner. Shanghai Jieyu offers reliable, cost-effective solutions for standard applications, while Wuxi Hongyuan provides customization strength for specific industrial sectors.

Ultimately, investing in high-quality screw press sludge dewatering equipment from a reputable manufacturer ensures lower lifecycle costs, higher operational reliability, and compliance with environmental standards. As the industry moves towards greater automation and efficiency, partnering with innovative and globally experienced suppliers like Benenv provides a strategic advantage in achieving sustainable wastewater management goals.

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