

Top Ride Control Bogie Manufacturer Showcased at 2025 Zhuzhou Rail Transit Expo From PSDrail

ZHUZHOU, HUNAN, CHINA, August 18, 2026 /EINPresswire.com/ -- The 2025 Zhuzhou International Rail Transit Expo, held November 7-9 at the Zhuzhou International Convention and Exhibition Center in Hunan, China, attracted over 400 exhibitors and thousands of procurement professionals from across the global rail supply chain. PSDrail, a specialized manufacturer of freight wagon running gear and railway fasteners headquartered in Zhuzhou, participated in this edition to showcase its cast steel [ride control bogies](#), self-steering bogies, Zk1 type bogies, and complete running gear components. The company exhibited its product range alongside its AAR, ISO, and EN certification documentation, providing visiting buyers from North America, Europe, Southeast Asia, and the CIS with direct access to AAR-compliant bogie manufacturing capabilities.



Bogie Product Portfolio on Display

PSDrail's product exhibition featured cast steel ride control type bogies engineered for mixed freight service. Operating across flexible gauges from 914mm to 1600mm and supporting axle loads up to 35.7T, these ride control bogies utilize AAR Class B+ steel bolsters and side frames to minimize unsprung mass while maximizing fatigue strength. To address anti-diamond stiffness and dynamic stability, the design incorporates widened control wedges, elastic adapter positioning for reduced wheel-rail wear, and TCC-IV long-travel elastic side bearings. Alongside the ride control units, self-steering bogies and welded frame type bogies were presented for

operating conditions requiring reduced lateral creep forces, while Zk1 type three-piece bogies targeted tight-radius track profiles requiring enhanced curving performance and flange wear control. Each bogie configuration was supported by complete quality documentation, including dimensional inspection records, non-destructive testing (NDT) reports, and load verification data.

Visitors had the opportunity to directly evaluate the casting surface finish, heat treatment consistency, and CNC machining precision across all bogie designs. Expanding beyond full bogie frames, the exhibition included integrated running gear hardware—among which proven, precision-machined [wheelsets and heavy-duty bearing devices](#) garnered significant attention for their exceptional durability. These high-load, wear-resistant wheelset assemblies are manufactured to comply with global international standards—including AAR GII, UIC 813, EN 13260, TB/T 1718, BS 5892-6, and AS 7517—utilizing high-strength forged steel axles and rolling bearing assemblies to ensure high fatigue resistance and low rotational resistance. Complemented by AAR M-112 suspension springs, friction wedges, brake shoes, and AAR M-215 coupler systems, PSDrail demonstrated its capacity as a single-source manufacturer. For procurement teams attending the expo, inspecting complete bogie assemblies alongside fully compliant sub-assemblies in one place verified dimensional compatibility and significantly streamlined supplier qualification and audit workflows for multi-year fleet procurement programs.

Manufacturing Quality and Certification

PSDrail production facility operates CNC machining centers and heat treatment furnaces that ensure repeatable material properties across production runs regardless of batch size. Every bogie assembly undergoes dimensional inspection to verify that casting geometry meets specified tolerances, non-destructive testing to detect internal defects such as porosity or shrinkage that could initiate cracks under cyclic loading, and load verification to confirm the structure can sustain the operating conditions specified for its intended service type. This three-stage inspection protocol is applied consistently whether the order covers 10 bogies or 100. The company quality management system applies ISO, AAR, EN, TB/T, and UIC standards, with AAR M-215 certification for coupler systems and AAR M-112 for springs. Products are exported to over 15 countries across North America, Europe, Southeast Asia, and the CIS. For buyers evaluating bogie suppliers at the expo, PSDrail provided factory audit documentation and certification records for on-site review. This documentation enables procurement teams to verify manufacturing quality before committing to a factory visit, accelerating the supplier qualification timeline. The documented NDT records for each bogie assembly provide traceability that supports both the initial procurement audit and ongoing maintenance planning over the wagon service life. For wagon lessors and operators who attended the expo, the documented quality records provided by PSDrail offered a practical basis for moving forward with supplier qualification. The combination of product samples, certification documentation, and technical discussions available at the booth allowed procurement teams to assess whether the manufacturer quality system aligns with their supplier standards without requiring an immediate factory visit. This transparency reduces the timeline from initial contact to purchase order

evaluation, which is a practical advantage for buyers managing fleet procurement programs with tight delivery schedules. The export experience spanning over 15 countries across 4 continents demonstrates the logistics capability needed to support international delivery schedules for bogie assemblies of any volume.

The 24-hour inquiry response and full-cycle after-sales support that PSDrail maintains ensure continued technical availability beyond the exhibition floor. For buyers who initiated contact at the expo, questions about specifications, delivery timelines, or documentation requirements are addressed without delay. The combination of AAR-compliant bogie manufacturing, multi-standard certification coverage, and coordinated logistics for export orders positions PSDrail as a supplier capable of supporting both initial wagon builds and ongoing replacement programs across different regional markets. The company participation in the 2025 expo demonstrated that it has both the production capacity and the quality systems to support multi-year fleet programs requiring consistent component supply across multiple batches. For buyers who initiated contact at the expo, the documented quality records and certification coverage provided verifiable evidence of manufacturing capability, supporting the transition from exhibition contact to formal supplier evaluation. For the global rail industry buyers who attended the 2025 edition, PSDrail demonstrated that a manufacturer based in the Zhuzhou rail cluster can deliver the quality documentation, certification coverage, and logistics coordination that international procurement programs require.

Company Profile and Contact Information

Zhuzhou Pushida Technology Co., Ltd. (PSDrail) is a specialized manufacturer and supplier of railway freight wagon components and railway fasteners, headquartered in Zhuzhou, Hunan, China. The company product portfolio covers bogies, wheelsets, axles, brake systems, coupler assemblies, full-series running gear parts, and railway fasteners. PSDrail serves railway operators, wagon lessors, and OEM manufacturers across more than 15 countries in North America, Europe, Southeast Asia, and the CIS. More information regarding product specifications, manufacturing capabilities, and certification documentation is available at the official company website: <https://www.psdrail.com/>. Product-specific inquiries regarding bogie assemblies and running gear components can be directed to the PSDrail sales team through the website. The company 24-hour inquiry response ensures that all technical and commercial questions are addressed promptly.

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