



WKPT Update

World Known Group Earns Spot on Forbes Asia's Best Under A Billion

World Known Group has recently been named to Forbes Asia's "Best Under A Billion" list. This prestigious recognition not only validates the collective efforts of our entire team but also serves as a powerful catalyst for our continued growth and innovation.

As Taiwan's leading manufacturer of commercial vehicle components, World Known Group has embraced a culture of continuous improvement. In recent years, we've made significant strides in manufacturing technology innovation and optimization. Our smart manufacturing initiatives have yielded impressive results,

with production efficiency increasing by 19% and carbon emissions reduced by 6% compared to traditional processes.

We've established long-term partnerships with several international commercial vehicle and heavy machinery manufacturers. Additionally, we've been strategically expanding into the new energy sector, developing cutting-edge components for energy storage equipment and electric vehicle chassis.

Looking ahead, World Known Group remains committed to advancing our manufacturing capabilities, expanding

our market share in metal component applications, and contributing to Taiwan's economic growth and global competitiveness.



World Known Group selected for Forbes Asia's Best Under A Billion

Information Express

Bellows Technology: Mastering Material Selection and Precision Manufacturing



High-precision metal bellows used in advanced vacuum equipment

In the world of vacuum equipment, metal bellows are critical components. The shape of the bellows resembles an accordion's bellows, allowing it to maintain a seal in vacuum equipment while retaining flexibility for bending and extending. In vacuum applications that

demand adaptation to temperature and pressure fluctuations, flexible bellows are indispensable.

The most common materials for bellows include stainless steel SUS316L and nickel alloy Inconel. SUS316L stands out as the most versatile option, suitable for mildly acidic and alkaline environments, and excelling in corrosion resistance, strength, and thermal performance.

Designing bellows for vacuum environments requires meticulous attention to pressure tolerance, operating temperature range, expansion and contraction capabilities, durability, and airtightness. A crucial step in the

manufacturing process is the precision welding that connects the bellows' ends to the flange. This joint undergoes helium leak detection to identify even the smallest gaps that could compromise the seal.

At World Known Precision Industry, we leverage our expertise in multi-metal materials and integrated manufacturing processes to deliver superior bellows solutions. Our approach combines cutting-edge metal manufacturing technology with seamless process integration, enabling us to offer customized, high-volume production services that meet the most exacting standards of quality control and efficiency.

Industry News

Increasing Demand for Hydraulic Valves, Construction Machinery Equipment Applications Lead

"North America will be one of the largest global markets for hydraulic valves according to Fact.MR's market study. The research firm is projecting it will account for 38.3% of the total market's revenue by 2034." ([Hydraulic Valve Market to Grow Over Next 10 Years](#))

The global hydraulic valve market is poised for significant growth, with projections indicating a rise from \$5.89 billion in 2024 to \$8.56 billion by 2034, representing a compound annual growth rate of 3.8%. This expansion is driven by several key factors:

1. Heightened focus on safety and efficiency across industries has spurred demand for advanced hydraulic valves. Concurrent developments in electronic technology have enhanced valve functionality, opening new avenues for automation.
2. Robust growth in critical sectors such as infrastructure development, agricultural mechanization, and automotive manufacturing continues to fuel the hydraulic valve market, with North America and China emerging as primary growth centers.

3. The oil and natural gas industry's strong demand for control and flow valves, coupled with a significant replacement market, further propels industry growth.

Hydraulic valves play a crucial role in hydraulic systems, precisely regulating fluid pressure, flow direction, and rate to ensure the efficient and stable operation of the entire system. Whether in heavy machinery on construction sites or automated equipment in precision manufacturing, the presence of hydraulic valves is indispensable.

If you're seeking a high-quality supplier for hydraulic system components, World Known Precision Industry is ready to be your trusted partner. We offer customized processing services for key parts such as hydraulic valve bodies, housings, brackets, and [hydraulic pump swash plates](#). Leveraging our technical integration

across multiple processes - including machining, metal forming, and surface treatment - along with our diverse material supply capabilities encompassing cast iron, aluminum, carbon steel, and stainless steel, we are well-equipped to meet your exacting standards for hydraulic valve component manufacturing.



Hydraulic valves play a key role in heavy machinery, with continued growth in demand expected in the future

