WKPT Precision News

World Known, Well Known

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WKPT Update

Establishing Local Supply Networks Enhances Customers Satisfaction

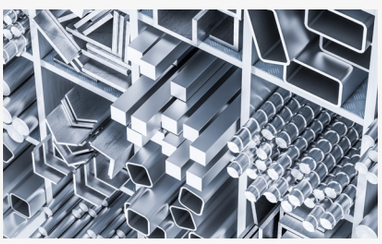
WKPT and its affiliated group focus on niche markets and operate with agility. Over the years, WKPT and the group have been dedicated to serving the commercial vehicle and industrial sector applications, providing customized, diverse, and small-batch products and services to customers. With flexible production operations and the integration of in-house design, production, assembly, and testing capabilities, WKPT can meet the immediate needs of customers.

Recently, World Known Group has announced during the investor conference that they have acquired land and warehouse facilities in the United States. Apart from current warehousing purposes, these facilities will also support small-batch assembly and production in response to market demands, adapting to changes in their customers' sales operations. The United States is one of the primary sales regions for WKPT. With the alleviation of chips shortages and the increased demand for heavy-duty trucks due to local construction needs, the potential for demand in the United States is significant. WKPT and World Known group are prepared to offer flexible operations and comprehensive processing services to work together with their customers.

WKPT's affiliated group has acquired land and warehouse facilities in the United States to accommodate changes or plans in their customers' sales operations.

Information Express

The Challenges in Forging Aluminum Alloy Processing



Forged aluminum alloys offer high strength, making them an excellent choice for high-pressure applications.

Aluminum alloys are widely used in the industrial sector because of its advantages of lightweight, high strength, and ease of processing, and they are trending towards advanced manufacturing. Aluminum alloy forming can be forging or casting. Forging involves a high-temperature and high-pressure process to shape aluminum into the required form. Its strength and density surpass that of casting, making it an excellent choice for high-pressure applications. However, a common challenge for metal manufacturers is the residual stress generated in the forming and heat treatment processes, which can lead to deformation during subsequent machining processes.

For example, WKPT faced stress deformation issues when producing 7075-T6 aluminum forgings for the aerospace industry. Through in-house research and cross-department coordination, WKPT optimized the machining process parameters, integrated the machining expertise of suppliers, and leveraged advanced CATIA CAD/CAM applications. This successful effort allowed WKPT to overcome stress deformation problems and provide customers with a seamless experience in aluminum forging processing service.

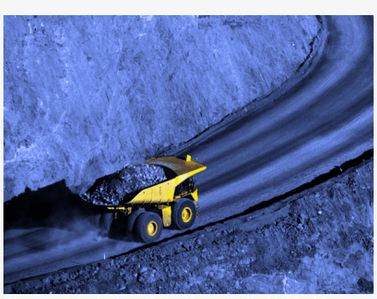
Industry News

New Member of Critical Raw Materials - Aluminum

> *"The Critical Raw Materials Act is intended to ensure secure and sustainable supply for the green and digital transitions." (European Council adds bauxite, alumina, aluminum to strategic materials)*

Recently, the European Union has included aluminum in the "Critical Raw Materials Act," ensuring the security and sustainability of raw material supplies. Critical raw materials are defined as those are highly economical to the EU, with a high risk of supply disruption due to excessive source concentration and lack of substitutes. The inclusion of aluminum in this list shows the EU's strong emphasis on the supply of aluminum.

As the demand for aluminum continues to rise, WKPT, dedicated to metal processing services, has been expanding our integrated applications in aluminum processing. Currently, our service includes precision machining and surface treatment processes for aluminum materials such as blocks, pipes, and extrusions. WKPT has proven records in applications related to transportation, wind energy, industrial machinery, and high-precision components. WKPT will continue to follow market trends, enhance our process technologies, invest in new production processes, and expand our capabilities in automotive lightweight applications.



The recent inclusion of aluminum in the "Critical Raw Materials Act" by the European Union ensures the security and sustainable supply of raw materials, highlighting the significance of aluminum.

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