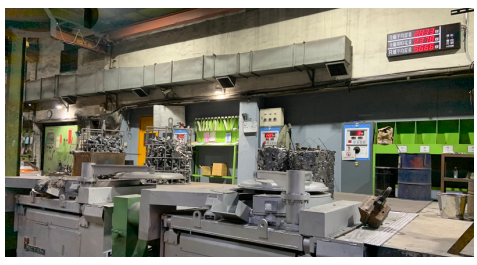
WKPT Precision News

World Known, Well Known

FEB. 2022 | ISSUE 04

WKPT Update

Green Casting for Sustainability



Introducing mid-frequency furnace decreases energy consumption by 8% during production, and create green casting achievement.

The so-called "green casting" refers to a casting method that consumes little resources during production, and has least impact on environment, resource, and human health. It is the method which can achieve economic benefit for enterprises and society.

WKPT carries out sustainability of environmental safety and manufacturing procedure. For example, we plan with cooperative supplier for mid-frequency furnace renewal, which decreases energy consumption during production by 8%.

We are pleased to see our cooperative suppliers are on the same page with us, and focus on “green casting” for development in future. Following the trend of energy-efficient, we reduce resource waste from the origin, so that our customers can have green value-added precision machining service from us, and achieve win-win situation.

Information Express

Application of 3D Printing in Precision Machining

3D Printing, also known as Additive Manufacturing, or Rapid Prototyping, mainly divided into rapid prototyping and rapid manufacturing, is the revolutionary manufacturing technology.

WKPT has applied 3D printing in product development stage with casting for as-cast.

Next step is rapid machining to produce instant sample for verification. Compared to pattern developing and sand mold manufacturing process, 3D printing can shorten the developing lead time from 30-45 days to less than 21 days. Overall, we can expedite the development procedure and assist customers in forwarding to the market quickly.

3D printing equipment for sand casting/ Image: MIRDC

3D printing sand mold by WKPT

Industry News

Aluminum Alloy Application is Increasing in Automotive Industry

"As the new DuckerFrontier report shows, ... Subsequently there will be large growth in the use of aluminum and advanced high strength steels, as well as some growth in magnesium, plastics, and carbon fiber composites."

Low emission and light weight is the trend of global automotive industry, and the material application has obvious change as well. According to DuckerFrontier - North America Light Vehicle Aluminum Content and Outlook report, aluminum alloy application in auto industry keeps increasing as it can have best lightweight with lowest cost. Aluminum content per vehicle will rise from 459 Pounds in 2020 to 514 Pounds in 2026.

Responding to this trend, WKPT provides various materials including stainless steel, carbon steel, also aluminum, which can satisfy requirements for different industry’s application. Our new plant under construction will also focus on lightweight metal production; therefore, we will keep offering customers the most suitable lightweight products for their industries.

Aluminum Alloy Housing

Aluminum product

EGR Housing

WORLD KNOWN PRECISION INDUSTRY CO., LTD.

NO.470, Sec 3, Ya-Tan Rd., Daya Dist.,
Taichung City, 42854, Taiwan

+886-4-2567-7958 | wkptmkt@wkgroup.com | tw.wkgroup.com