



NEWS RELEASE

## Jabil Strengthens Additive Manufacturing Offerings with New PK 5000 Engineered Material and Digital Manufacturing Expansions

5/17/2022

Filling Critical Market Gaps with Disruptive Material and Growing Digital Manufacturing Capabilities

ST. PETERSBURG, Fla.--(BUSINESS WIRE)-- **Jabil Inc.** (NYSE: JBL) today launched PK 5000, an eco-friendly, powder-based additive material engineered to deliver improved strength, chemical resistance and resilience in comparison to general-purpose nylon materials, such as PA 12. This patent-pending material has been formulated to support highly demanding automotive, consumer electronics, defense, medical and industrial manufacturing applications. Jabil will showcase a variety of parts produced using PK 5000 at RAPID + TCT (May 17-19, Booth 1541).

Jabil PK 5000 produces parts and prototypes with improved impact strength and greater chemical resistance compared to PA 12 and available polymer powders for SLS processes (Photo: Business Wire)

“Our latest engineered material will disrupt the market for powder-bed fusion technologies by improving upon existing polymers to offer enhanced processing and

performance properties,” said Matt Torosian, director, Product Management, Jabil Additive. “With PK 5000, we are introducing new innovations to meet a broad range of customer requirements while accelerating the adoption of additive manufacturing.”

### Delivering Material Innovations from Beaker to Box

PK 5000 was created, tested and validated at Jabil’s Materials Innovation Center in Chaska, Minn., where polymer formulations, compound developments and material system integration are completed from start-to-finish under one roof. Highly experienced additive manufacturing engineers, chemists, materials scientists and production experts leverage Jabil’s innovations in materials science to oversee each step of the beaker-to-box process of developing customized powders and filaments all under an ISO 9001-2015 quality management system.

This newest material features a unique combination of chemical and mechanical properties, such as high-impact strength, high-abrasion resistance and improved elongation over other nylon materials to withstand functional testing and use. Equally important, PK 5000 has high-barrier properties and low-moisture absorption, which may be critical for ensuring the quality and resilience of certain parts and products exposed to fuel and water. Moreover, the polyketone resin used to make PK 5000 is an eco-friendly, low-carbon material that is made from carbon monoxide. The ability to leverage carbon monoxide, which is a leading cause of atmospheric pollution, may reduce

overall carbon footprint.

EOS, Farsoon and 3D Systems are currently evaluating PK 5000 for their printer platforms. Jabil is developing process parameters for all major SLS platforms to ensure widespread access to PK 5000.

## Extending Capabilities from Ideation to Industrialization

In addition to advancements in materials, Jabil continues to extend its global additive manufacturing platforms and solutions to complement its world-class manufacturing capabilities. Jabil has deployed hundreds of 3D printers—from desktop models to highly sophisticated industrial systems—to address a vast range of prototyping, tooling and volume-scale production demands.

Jabil's rapid tooling operations, additive manufacturing labs and tech centers in North America, Europe and Asia are augmented by AS9100-, ISO 13485- and ISO 9001-certified production centers for aerospace, healthcare and other rigorous applications. Jabil is well positioned to integrate the best of additive and traditional manufacturing to produce differentiated parts and products using innovative materials, proven Design for Additive Manufacturing (DfAM) principles, industry-leading manufacturing processes, as well as vendor-agnostic technologies and machines.

## PK 5000 Availability and Pricing

PK 5000 is available now for a suggested retail price that starts at \$45/kg.

## Supporting Quotes

- Donnie Vanelli, SVP, EOS North America  
“Our relationship with Jabil is unique, as they are a customer, supplier and collaborator in developing new additive manufacturing solutions. The industry needs materials geared to end-use production applications, and Jabil is perfectly positioned to address those needs given its core business in bringing many of the world's top products to reality through complex manufacturing and supply chain management.”
- Edwin Hortelano, PhD, SVP, Materials Engineering and Development, 3D Systems  
“Materials are a very important component of the solutions we design to address our customers' application needs. Our team of materials scientists strive to bring new innovation to market, through in-house development or partnering with fellow industry leaders. We believe PK 5000 has the potential to open a variety of new applications to help propel the industry forward.”
- Don Xu, Global Business Director, Farsoon Technologies  
“We are excited to work with Jabil on the PK 5000 rollout, as it will enable additive manufacturing to reach an inflection point for performance, speed and cost. When combined with the latest in additive technology, such as Farsoon's high-speed Flight LPBF systems, this new material will unlock true production scale for polymer additive manufacturing.”

## About Jabil:

Jabil (NYSE: JBL) is a manufacturing solutions provider with over 260,000 employees across 100 locations in 30 countries. The world's leading brands rely on Jabil's unmatched breadth and depth of end-market experience, technical and design capabilities, manufacturing know-how, supply chain insights and global product management

expertise. Driven by a common purpose, Jabil and its people are committed to making a positive impact on their local community and the environment. Visit [www.jabil.com](http://www.jabil.com) to learn more.

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Source: Jabil, Inc.