



**FOR IMMEDIATE RELEASE**

## **Kanfit Completes Production of Acceptance Test Part With Automated Fiber Placement (AFP)**

Nof Hagailil, Israel (June 6, 2023) — Kanfit Ltd., a manufacturer of fit-to-fly assemblies and subassemblies for the aerospace industry, has completed the production of a u-shaped spar acceptance test part in its Automated Fiber Placement (AFP). The part was produced with carbon epoxy material with several layup orientations, combined with a Nomex honeycomb core.

The six-axis robotic Ingersoll Machine Tools AFP machine, equipped with a head stock-tail stock system, enables Kanfit to manufacture complex composite aerostructures up to two meters in length. The AFP machine is comprised of a robotic arm for rapid placement of up to eight tows of one-quarter inch composite fibers.

"The AFP system fits perfectly into our company's strategy of adopting new technologies for manufacturing high precision, quality components for the aerospace industry," explained Shachar Fine, EVP Business Development, Marketing & Sales at Kanfit. "Until now, certain aerospace components were either manufactured by conventional processes such as hand layup, or were impossible to manufacture due to their geometric complexity. Our AFP enables us to design and manufacture lightweight, complex structures in a much shorter time period than was possible with traditional manufacturing processes, and it reduces raw material waste. These two factors translate into a savings of time and money for our customers."

The AFP, the first of its kind in Israel, is part of Kanfit's joint research and development venture with Israel's aerospace and defense industry leaders, including Elbit Systems, IAI, Israel's Ministry of Defense and Rafael Defense Systems. There are also plans to expand its use to other industrial sectors using other types of prepreg materials besides carbon epoxy.

### **About Kanfit Ltd.**

Kanfit is a build-to-spec/print aerospace engineering and manufacturing company delivering primary and detailed parts, subassemblies and ready to fly assemblies made from composites and metals. Kanfit utilizes the latest processes for manufacturing composite components, including autoclave, RTM, LRI, prepregs (oven & vacuum) and wet lay-up. Kanfit also offers 3D additive manufacturing of aluminum and titanium.

Kanfit is AS9100D certified and Nadcap accredited for composites, heat treatment and chemical processing. Kanfit has special process certifications from Boeing, Lockheed Martin and others, and is an approved supplier of Israel Aerospace Industries, Israel Air Force, Israel Ministry of Defense, Elbit Systems, Rafael Defense Systems, BAE Systems, Senior Aerospace, and other industry leaders.

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