

Trac Precision Solutions Embarks on Strategic Expansion to Strengthen Aero-Engine and Power Generation Capabilities

Key Highlights

- **Advanced EDM Technology:** Trac has introduced a new generation of Electrical Discharge Machining (EDM) systems from *Sodick* to strengthen its precision manufacturing of complex turbine blade and vane features. These systems enable exceptional accuracy and repeatability for intricate engine components.
- **Specialised Drilling Technology:** Orders have been placed for *Makino* Deep Hole Drilling (DHD) machines, a specialised technology essential for creating cooling passages in turbine components — a critical requirement for high-performance aero-engines and IGT systems.
- **Smart Digital Storage Solutions:** A *Modula* automated storage and retrieval system has been installed to optimise manufacturing space, improve workflow, and enhance traceability across production lines.

United Kingdom, September 30, 2025 – *Trac Precision Solutions* (Trac), part of the *PTC Industries Group*, has announced a series of **strategic capital investments** to enhance its manufacturing capabilities and support the growing demands of global aerospace and industrial gas turbine (IGT) customers.

This expansion marks a pivotal step in Trac’s long-term growth strategy, enabling the company to deliver greater capacity, precision, and technological depth for producing turbine blades and vanes — components essential to the performance, efficiency, and reliability of advanced aero-engines and power generation systems. By focusing on capability building and process innovation, Trac is positioning itself as a future-ready partner for some of the world’s most complex and demanding engine programs.

As several nations, including India, accelerate the development of indigenous aero-engines, access to specialised manufacturing technologies remains a significant challenge. Certain processes required for intricate cooling features and complex geometries are closely held and often not fully transferred under technology partnerships. By investing in these advanced systems, Trac is bridging this global capability gap, ensuring that such technologies are available within the PTC Group and accessible to allied nations and customers worldwide.

Expanding Electrical Discharge Machining (EDM) Capabilities

Trac has added a new generation of advanced EDM machines to its production facilities from *Sodick*:

- **High-Volume Precision Systems** – Designed to support the growing demand for complex turbine blade and vane components, enabling exceptional accuracy and repeatability.



- **Large-Format Systems** – Built to handle complex, large-scale parts for both aerospace and power generation applications.
- **Specialised Wire EDM Systems** – Dedicated to internal tooling and electrode manufacturing, streamlining processes and ensuring consistent quality across production lines.

These systems will directly support Trac's work on the most intricate blade and vane designs, enabling the creation of advanced cooling passageways and complex geometries that are critical for engine performance and efficiency.

Smarter Space Utilisation with Automated Storage

To optimise manufacturing floor space and improve workflow, Trac has implemented a *Modula* automated storage and retrieval system. This intelligent solution provides secure and efficient management of fixtures and consumables, enhances traceability, and frees up valuable production space for high-value manufacturing activities.

*"This kind of specialised technology represents the pinnacle of innovation in its field, highly sought after and recognised as industry-leading," said **Liam Bevington, Managing Director of Trac Precision Solutions**. "Through continued development of our capabilities, Trac is uniquely positioned to offer complete solutions for some of the most demanding blade and vane applications in the world, supporting both current programs and the next generation of engine designs."*

Sachin Agarwal, Chairman & Managing Director of PTC Industries, added: *"Our vision is to create a globally relevant ecosystem of advanced manufacturing capabilities. These investments at Trac reflect a commitment to supporting the world's journey toward technological self-reliance, while strengthening our group's position as a strategic partner for next-generation engine programs."*

These developments represent a **significant milestone** in Trac's evolution — signalling its transformation into a larger, more capable organisation with the infrastructure to serve both current and future aerospace and energy programs. By combining world-class technology with deep domain expertise, Trac is setting the stage for sustainable growth and long-term leadership in high-precision manufacturing.



About PTC Industries Limited:

PTC Industries Limited is a leading Indian manufacturer of precision metal components for critical and high-performance applications, with a legacy of over six decades. Through its wholly owned subsidiary, **Aerolloy Technologies Limited**, the company manufactures and supplies titanium and superalloy castings for aerospace applications, serving both domestic and global markets.

PTC is significantly expanding its capabilities through a multi-million-dollar investment in its **Strategic Materials Technology Complex (SMTC)**. This advanced facility will feature capabilities for producing aerospace-grade titanium and superalloy materials, along with state-of-the-art foundries and machining facilities for near-net-shape precision components.

About Trac Precision Solutions Limited:

Trac Precision Solutions Limited, a wholly owned step-down subsidiary of PTC Industries, is a UK-based manufacturer of high-precision components for the aerospace, defence, and power generation sectors. With proven expertise in turbine blades, vanes, and complex machined parts, Trac combines advanced manufacturing processes, rigorous quality systems, and engineering excellence to deliver mission-critical solutions to leading global OEMs. Backed by the scale and vision of PTC, Trac continues to expand its capabilities and capacity to support the next generation of high-performance engine programs.

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