ASX Announcement
FBR Limited

FBR launches new DST® enabled robotic welding product "Mantis™"

28 JULY 2025 – Robotic technology company **FBR Limited (ASX:FBR; OTCQB:FBRKF)** ('FBR' or 'Company') is pleased to announce the launch of a new DST® enabled robotic welding product named Mantis™. Mantis™ is a high-deposition rate, large-scale automated welding robot ideal for general and heavy fabrication, including the mining, shipbuilding and defence industries.

FBR continues to develop and commercialise robotic technology. The introduction of Mantis™ is the latest robotic product offering expanding the stable to Hadrian X® and Mantis™. Mantis™ leverages FBR's proprietary Dynamic Stabilisation Technology® originally developed for its Hadrian X® bricklaying robot for use in the low rise construction industry. The versatility of DST® provides the Company with a significant number of opportunities to exert its IP portfolio across a plethora of industries to create innovative automated and robotic solutions.

The base model Mantis™ has an 8-metre reach capable of 'pendulum' operation between 1, 2 or 4 workspaces. Welder options include standard (single wire) or high deposition twin wire with dual welders capable of deposition rates up to 25kg/hr (subject to part specific limitations) and can achieve weld rates of 4-metres per minute, and a travel speed of 10-metres per minute.

A render of the DST® enabled Mantis™ robot, highlighting its significant 8-metre reach

The Mantis™ welding head is designed in-house and is equipped with a laser scanner capable of seam finding and tracking, ensuring weld quality on variable parts. Mantis™ is easily programmable utilising the innovative Australian-based Verbotics software platform, which also allows prospective customers to simulate their welding tasks with Mantis™ for performance comparison with other robots, systems or manual processes.

The purpose-built design of the robot, coupled with FBR's proprietary DST® culminates in a setup with less complexity and significantly less part manipulation compared to typical sub arc processes and capabilities that exceed those of general-purpose 6-axis robots that are commonly adapted for use in automated welding.

FBR's CEO, Mark Pivac commented:

"The FBR team are very excited to introduce our next robotic product offering, Mantis™. As a part of building a production line for Hadrian robots, FBR thoroughly investigated automated production solutions looking for ways to have robots building robots. We have also looked extensively at how mining equipment and ships are built, realising that there is a gap in the welding robot market. There is an opportunity to provide an off the shelf solution for welding large parts, particularly in Western Australia.

"FBR's strategy focusses on utilising its extensive IP portfolio to create innovative robotic solutions and product streams. Our technologies are developed to provide end users with the benefits of robotic and automated solutions typically only available in non-dynamic, indoor environments. Our Hadrian X® provides attractive efficiencies to users in the construction sector. Mantis™ has the potential to provide significant benefits to users in the heavy fabrication sectors such as mining, shipbuilding and defence, where the same challenges such as low productivity and labour constraints are a constant. The use of FBRs existing IP in developing Mantis™ capitalises on the capabilities demonstrated by DST® already developed in Hadrian. This experience and technology provides FBR with a significant advantage when compared to product development scenarios that require new technologies to be engineered as part of their development.

"In line with our strategy, FBR will continue to utilise its substantial IP portfolio in developing innovative DST® enabled products and solutions. The development of Mantis™ is complimentary, although completely separate to the work we are undertaking for Samsung Heavy Industries in developing robotic solutions for the shipbuilding industry. I look forward to providing further updates on Mantis™ and the Company's other workstreams in due course."

The commercial model for Mantis™ will be direct machine sales, including through distribution and referral partners, further leveraging FBR's IP portfolio. Mantis™ is offered at A$990,000 (plus variable optional extras, site-specific installation, integration costs and support package) and is subject to factors such as customer specification, contract terms, and FBR's continuous improvement program which may result in changes to specification or price without notice. FBR is in discussions with potential sales and distribution partners to assist in marketing, lead generation and sales of Mantis™. FBR have developed Mantis™ as our next R&D product and construction of the first Mantis™ is scheduled to commence in FY2026.

Visit FBR's InvestorHub for a supplementary video update from CEO, Mark Pivac, on the Mantis™ robot at the following URL: https://investors.fbr.com.au/link/Pm55qP

This announcement has been authorised for release to the ASX by the FBR Board of Directors.

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About FBR Limited
FBR Limited (ASX: FBR; OTCQB: FBRKF) designs, develops and builds dynamically stabilised robots to address global needs in a safer, more efficient and more sustainable way. These robots are designed to work outdoors or at large sizes using the company's core Dynamic Stabilisation Technology® (DST®).

Applications of DST® include the Hadrian X® and Mantis™. Hadrian X® is a bricklaying robot that builds structural walls faster, safer, more accurately and with less wastage than traditional manual methods. The Hadrian X® provides Wall as a Service®, FBR's unique commercial offering, to builders on demand. Hadrian robots are available for purchase by order. Mantis™ is a high deposition welding robot for the large-scale metal fabrication industries such as mining, shipbuilding and defence manufacture.

To learn more please visit www.fbr.com.au