

Titan Medical Completes Functional Prototype of SPORT Surgical System

Titan Medical



Titan Medical Inc. has announced that it has successfully completed development of a functional prototype of its Single Port Orifice Robotic Technology (SPORT™) Surgical System.

The SPORT™ Surgical System prototype successfully demonstrates the key features of the system. These include two multi-articulating instruments, each capable of moving with seven degrees of freedom and an intra-abdominal 3D HD vision system. The two instruments and the vision system are all housed within a 25mm diameter port. Via this port, the SPORT™ Surgical System is inserted through a single 25mm incision in the patient's abdomen. The multi-articulating instruments and the 3D HD vision system then deploy and become fully operational by the surgeon, who is seated comfortably at a surgeon console.

The SPORT™ Surgical System prototype allows a surgeon to accurately and precisely move his or her hands and have those same exact movements perfectly translated into the movements on the instrument shafts, tips and end-effectors in a 1-to-1 ratio.

Now that the technical feasibility of the system has been proven, Ximedica, Titan's SPORT™ development partner will continue its efforts and now focus on detailed product design development working towards a pilot launch. The SPORT™ Surgical System is targeting a robotic surgery global market that is now worth an estimated \$4 billion and expected to increase to \$19.9 billion by 2019.

"We are extremely enthusiastic and encouraged by the recent working demonstration of the functional prototype of the SPORT™ Surgical System. The

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progress that we have witnessed to this point in time instills a high degree of confidence that we can quickly move towards the pilot project launch stage and then successful commercialization," said Titan CEO, John Hargrove.

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