

Versius® Surgical Robotic System

Robotics that works around what matters most.



CMR
SURGICAL

Summary

Versius® is a next-generation surgical robotic system used to perform minimal access surgery. The system was designed by CMR Surgical, a global medical devices business headquartered in the UK.

Versius comprises of a surgeon console; a visualisation bedside unit (a modular robotic arm with an endoscopic camera attachment); and up to three instrument bedside units which can be connected to a range of wristed surgical instruments.



Indications

The Versius Surgical System is a robotically assisted surgical device that is intended to assist in the accurate control of its surgical instruments during laparoscopic surgical procedures in Urology, Gynaecology and General surgery. The system is indicated for adult use only and is intended to be used by trained physicians in an operating room environment.

Features and Benefits

Think laparoscopically. Operate robotically. A surgical robotic system that fits into virtually any OR and works around your existing set-up.

- Versius has been designed to bring all the benefits of robotics, whilst lowering the barrier of adoption to minimal access surgery. Versius has fully wristed instruments, natural instrument control, and full HD 3D vision, to help improve the surgeon's dexterity, precision and control within the abdomen and pelvis.
- Being small, Versius doesn't dominate the OR. Its modular and portable design enables you to move it between ORs, and only use the number of arms that you need for any given procedure.
- By placing a wrist at the end of the robotic arm, this enables a greater freedom of setup making the Versius system suitable across a range of different specialties. This helps each setup to be tailored to the patient, while the wrist on the instruments gives the surgeon greater dexterity inside the patient.
- The console has been designed to minimise physical strain on the operating surgeon by giving them the option to either sit or stand whilst operating, all in an ergonomic pose. This potentially allows them to keep operating at peak performance for longer and prolong their surgical careers.
- The open console design provides a clear line of sight to facilitate verbal and non-verbal communication between the surgeon and the bedside surgical team.

- Versius is designed to give the surgical team access to the patient at all times, due to its small form factor and 'collaborative arm technology'. This allows the teams to reposition the arms and move the elbows out of the way without interrupting the surgical procedure, enabling easy access to the patient at all times.

Technical Specifications

	Surgeon console	Surgeon console (Packaged configuration)
Height (mm)	1325-2085	1630
Width (mm)	840	930
Depth (mm)	1040	1210
Mass (kg)	180	308
Safe working load (kg)	25 Per hand controller	-
Ground clearance (mm)	-	45

Physical dimensions, surgeon console

	BSU	BSU (Packaged)
Height (mm)	1425	1720
Footprint (LxW cm)	38 x 38	59 x 50
Weight (kg)	100	158
Safe working load (kg)	25 Per handle (Two handles may be used simultaneously, load may be either up or down)	-
Ground clearance (mm)	-	45

Physical dimensions, BSU