

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, Thoracic 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	158
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

Training materials

Comprehensive and ongoing training lies at the very heart of the CMR Surgical ethos. Working in close collaboration with the surgical community and professional education bodies, we have developed an integrated training programme designed to support surgical teams' understanding of how to use Versius.

The training consists of: Online modules; Versius Trainer (simulator); Residential Training Course; and Onsite hospital support.

About the online training

The Versius Online Training modules aim to familiarise surgeons and teams with the fundamentals of the Versius Surgical System, and will take them through each individual component of the system, as well as setup tasks and safety features.

About the Versius Trainer

Every Versius console will be delivered with a Versius Trainer system which will allow surgeons to develop their motor and cognitive skills through a variety of exercises in a virtual environment.

About the three-day residential training course

Our dedicated team of trainers will equip surgeons and OR staff with the knowledge and capabilities necessary to operate the system competently. We believe team-focused training is essential to the efficient and safe use of Versius, and our training platform always ensures that the needs and safety of the patient are paramount.

Further education and development

Proctors will be available to help surgeons to become fully proficient. We will work with every team to establish full competency with Versius, but surgical training and training curricula will be determined by the relevant surgical societies and will not be covered in our training course.

Corporate

CMR Surgical is a global medical devices business headquartered in Cambridge, United Kingdom. The company's ambition is to bring the benefits of minimal access surgery to millions of people around the world. To do this, CMR developed the next-generation surgical robotic system: Versius®.

The company's technology and approach are different. CMR wants to enable surgeons to deliver what's best for their patients. To do this, CMR forms partnerships so that patients, surgical teams and hospitals all benefit from the value that MAS brings.

Financials

Versius can be purchased through a cost-effective Managed Service Agreement or capital cost. The managed service provides budget certainty through a fixed cost. This means Versius has the potential to be used in hospitals that may historically have found the upfront costs of surgical robotics to be prohibitive.

Warranty information

The Versius® Surgical Robotic System is warranted for a minimum period of 1 year (12 months) to be free from manufacturing defects in materials and workmanship at the time of delivery. See Warranty Statement for further details.

