

## ProbeHunter Team announces program with Cephasonics to develop probe adapters for the Cephasonics ultrasound platform

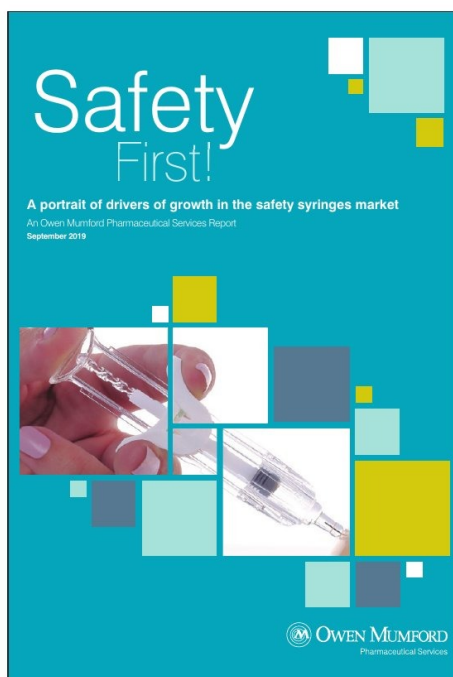


Ultrasound probe adapters, all brands, will now be available to the research platform Cephasonics. BBS Medical AB from Sweden is to develop and market specialized ultrasound probe/transducer adapters that allow users of Cephasonics systems to connect a variety of different probes from other companies to the Cephasonics system. As part of the relationship BBS Medical in Sweden/ProbeHunter Team will develop and market the adapters both directly as well as through Cephasonics.

Björn Segall, BBS Medical AB/ProbeHunter CEO, comments: "We are proud to announce that one of the leading programmable platforms within ultrasound research, Cephasonics, enter in to a co-operation with us at BBS Medical AB from Sweden as a developer of adapters to their system. This collaboration enables all universities and OEM's to quickly get support with adapters for their ultrasound research and development platforms. Five years ago we released ProbeHunter, the real time test system, to verify the performance of ultrasound probes all brands. To the ProbeHunter system there are today approximately 50 different adapters to test all leading brands; GE, Philips, Siemens, Samsung, Toshiba/Canon, etc. The new adapters to Cephasonics will support probes initially from Ultrasonix and overtime a growing number of probes from other major ultrasound companies to be directly connected to the Cephasonics system.

According to Randy Whiting, chief operating officer COO of Cephasonics, "this product will provide our users and developers a much greater array of ultrasound probes that can be used in research and development with the Cephasonics ultrasound engine. We're very excited to work with BBS Medical and the ProbeHunter team to expand the ability of our platform to work with popular ultrasound probes."

[www.bbsmedical.se](http://www.bbsmedical.se)



## Safety syringe demand to 2023

Almost a decade since sharps legislation was passed in the USA and Europe, compliance still has a way to go to reach mandatory legal requirements in hospitals and even more so in non-hospital locations such as the home. The latter is becoming increasingly important in the drive to increase self-administration and independence in management of chronic diseases. To understand future demand for safety syringes, Owen Mumford, a global industry leader in medical device design and manufacturing, commissioned third-party research into trends and drivers surrounding safety-device take up.

Economic pressures on healthcare efficiency are in fact encouraging greater patient self-administration/homecare. Pre-filled syringes are facilitating this move as they help patients manage treatment and dosage. Another important driver towards regular self-administration is fuelled by new biological therapies and competitive biosimilar markets that are mostly administered via subcutaneous injection. Finally, longer life expectancy, combined with a rise in obesity, diabetes, cancers and heart disease are also driving the push towards self-administration.

The survey estimates that:

- The global safety syringe market is experiencing a growth rate of 8.96% per year;
- The global pre-filled syringe market is expected to rise to \$1.137 billion by 2023;
- Safety-engineered pre-filled syringes dominate the total pre-filled market, with approximately 76% share of the total pre-filled demand in 2023;

- This dominance could suggest that pharmaceutical and biotechnology firms consider safety features to be highly attractive to users and are thus favouring their production as a key element for their combination products.

George Ions at Owen Mumford comments: "This latest analysis provides a clear view of the factors that are at play in the safety device market, roughly ten years from the introduction of legislation making measures to prevent needlestick injury mandatory. Although compliance has improved massively in hospital environments there is still some way to go. In addition to this the increasing push to drive patients to manage their conditions at home means that homecare settings are also increasingly coming under scrutiny.

"As a result, market projections are buoyant with safety device demand expected to grow across the world. Pre-filled syringes designed to help patients manage prescription and dosage accuracy are expected to grow with particular strength. Safety-engineered devices comfortably dominate the pre-filled market, indicating that pharmaceutical firms regard safety features as a key differentiator."

A full copy of the whitepaper – "Safety First!" is available on:

[https://www.ompharmaservices.com/wp-content/uploads/2019/09/OMPS\\_WhitePaper\\_Safety\\_First.pdf](https://www.ompharmaservices.com/wp-content/uploads/2019/09/OMPS_WhitePaper_Safety_First.pdf)

## More than 9 in 10 surgeons encounter a needlestick injury

95% of surgeons have either been personally affected by a needlestick injury or have seen a colleague experience one, a new global survey has found, increasing their risk of infection. The survey – the first of its kind undertaken – was conducted by SERMO for Mölnlycke, a wound care and surgical products company.





The survey looked at key opinions from 510 surgeons across six countries relating to infection prevention and the role of high-quality gloves in improving patient and clinician safety. In particular, it demonstrated the importance that surgeons place on high quality gloves in the fight against needlestick injuries and exposure to blood-borne viruses, like HIV.

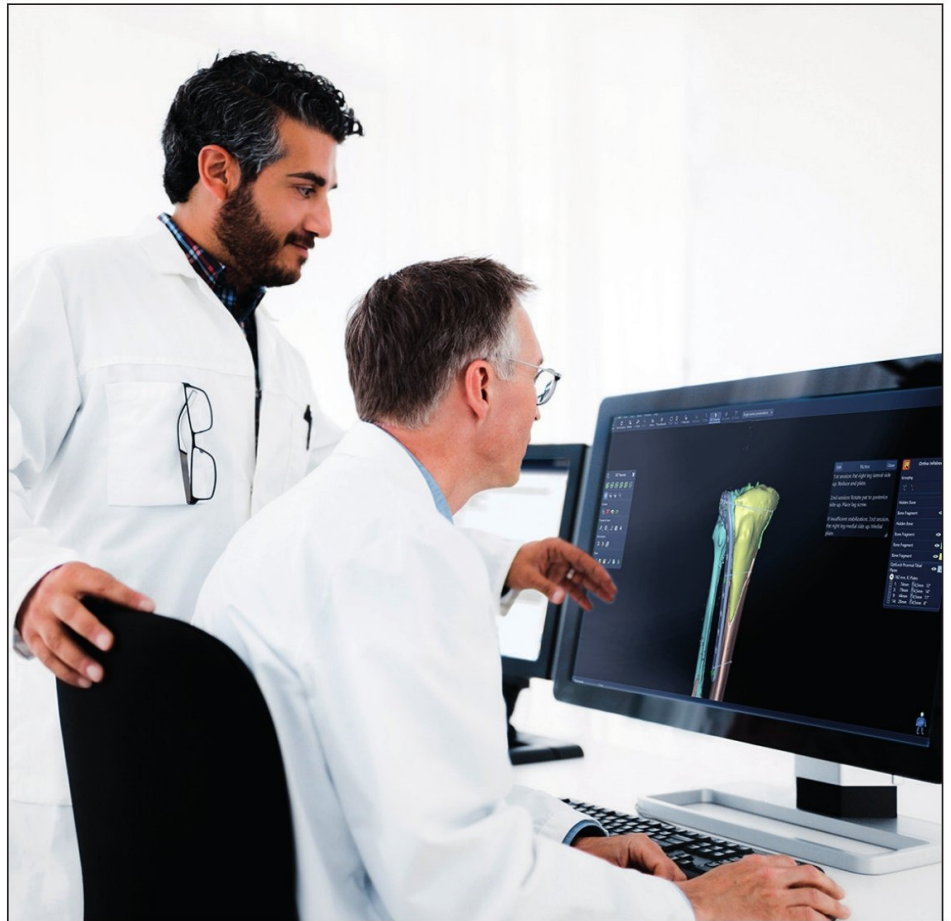
An estimated two million needlestick injuries occur among health workers each year, resulting in increased exposure to HIV, Hepatitis C and other blood-borne viruses. Needlestick injuries occur when a needle or other sharp instrument accidentally penetrates the skin, yet the underreporting to occupational health departments is well established.

The survey revealed that 93% of surgeons think that high quality gloves reduce the chance of exposure to blood-borne viruses and 83% said that the quality of gloves affects their sense of being protected from needlestick injuries.

On the topic of patient safety, 81% of surgeons believe that high quality gloves impact overall patient outcomes and 89% agreed that high quality gloves improve patient safety in the operating theatre. When asked about glove failure during an operation, 78% of surgeons responded that it increases the risk of surgical site infections.

Commenting on the survey findings, John Timmons, Clinical Staff Nurse and International Medical Director, said: "Each year, millions of surgeons and their teams risk exposure to life threatening blood-borne viruses and this ground-breaking survey highlights the value that surgeons across the globe place on high quality gloves. Surgeons clearly recognise their role in both ensuring the safety of surgeons and improving outcomes for patients.

"Surgical gloves are one of the key factors that prevent infections in the operating room and



should not be viewed as a commodity. High quality means fewer glove failures, yet we are increasingly seeing healthcare systems around the world prioritise price over quality."

Healthcare-associated infections (HAIs) are the most frequent adverse event in healthcare delivery worldwide. Hundreds of millions of patients are affected by HAIs worldwide each year, leading to significant mortality rates. Of every 100 hospitalized patients at any given time, an estimated seven patients in developed countries will acquire at least one HAI.

[www.molnlycke.com/biogel/](http://www.molnlycke.com/biogel/)

### Sectra extends its pre-operative orthopedic solution with DePuy Synthes 3D templates

Sectra is extending its pre-operative orthopedic planning solution for trauma cases with 3D templates from one of the largest orthopedic companies, DePuy Synthes. Pre-operative planning for trauma cases using templating in combination with 3D CT images enables improved surgical outcomes.

"We are excited to provide orthopedic surgeons with DePuy Synthes 3D templates in our pre-operative planning solution. We strongly believe that this capability will help surgeons

to provide patients with efficient care," says Gustaf Schwang, General Manager Business Unit Orthopedic Solutions at Sectra.

Sectra's 3D pre-operative planning solution enables surgeons to visualize a fracture in a dynamic 3D environment. With tools such as advanced bone segmentation, the surgeon can study and understand the fracture and determine a treatment plan prior to surgery. The ability to plan the surgical reduction and treatment pre-operatively minimizes the risk of surprises and stress during surgery, and consequently can shorten the time spent in the operating room.

Sectra's 3D pre-operative planning solution is part of Sectra's enterprise imaging solution, which allows for consolidation of image handling, while ensuring clinical workflow efficiency. The enterprise imaging solution is modular and supports the most image-intense departments—radiology, pathology, cardiology and orthopaedics. Being built on the same technical platform, customers can easily extend a departmental solution to create a comprehensive vendor-neutral archive (VNA) and enterprise image management solution without major investments or the replacement of existing components.

<https://medical.sectra.com/>

