

Faster, safer

Vorum helps Sweden's largest orthopedic company improve patient care and employee safety

At a Glance

TeamOlmed

Jönköping, Sweden

The largest orthopedic company in Sweden

www.teamolmed.se

- Dramatic time savings
- Better patient experience
- Able to serve a wider range of patients
- Employee injury risk eliminated



With one central fabrication site and ten patient clinics located across Sweden, TeamOlmed (formerly Team Otopedteknik) is one of Sweden's largest providers of custom orthotics and prosthetics. In 2006, they recognized the need to replace plaster-casting with a computer-aided design and manufacturing (CAD/CAM) system that would provide reliable clinical results while offering portability and convenience. After extensive research, they selected Vorum as the solution provider

that would best meet the demands of their business.

"Vorum improved the experience for our patients"

"Business has changed since the introduction of Vorum," says Leif Nilsson, Market and Product Manager for TeamOlmed. "It has improved the experience for our patients." Before Vorum, traditional methods were used to create all

types of prosthetics and orthotics, including standing shells. The latter orthoses help children with Cerebral Palsy stand up and load through their legs. Previously, patients had to be covered in Plaster of Paris from their necks to their feet. The casting process and drying time was extremely lengthy and uncomfortable. Now, using Vorum technology, the orthotics team can obtain scan and measurement data in a fraction of the time, resulting in a much more comfortable experience. "When we combine this data with photos of the patient in the design software, the completed standing shell is very effective." TeamOlmed now creates 100% of its standing shells using Vorum.

Speed and portability

Mr. Nilsson identified a further example of how the speed and portability of the Vorum system can benefit patients. He recalled an instance when a small girl was in the hospital and could not be discharged; she needed a custom cranial helmet to be allowed home. Using Vorum, the girl was "fit with her new helmet and discharged from the hospital within 6 hours."

Expanding the scope of who can receive care

The digital technology not only improves speed of care, but also expands the scope of who can receive care. Mr. Nilsson described a case in which a female patient needed a standing shell, but "her skin could not manage the contact with the plaster," preventing her

from being cast. The orthotics team used Vorum technology to scan and measure her for a standing shell. The patient thus obtained a custom orthosis that fit her body without receiving any harm to her skin.

Injuries due to lifting heavy plaster casts are effectively eliminated

Mr. Nilsson commented that "it is not only patients who benefit from the Vorum system." He noted that Vorum has also reduced health and safety risks for his staff. "Plaster casts for a typical spinal jacket can weigh between 30-40kgs (60-80 lbs)," making handling difficult for the fabricators. Since the introduction of Vorum, employees are working with digital files and foam models which weigh approximately 2 kgs (5 lbs). Therefore, potential injuries due to lifting heavy plaster casts are effectively eliminated.

CPOs and technicians quickly learn Vorum technology

One of TeamOlmed's requirements was the provision of effective training for the large number of personnel who would be working with the system. Vorum supplied an extensive training program which enabled the 55 CPOs and 10 fabrication technicians to quickly learn this new technology.



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