

The perfect fit

Vorum helps Cascade DAFO deliver better fitting braces

At a Glance

Cascade DAFO

Leading manufacturer of pediatric dynamic ankle foot orthoses

Ferndale, WA

www.cascadedrafo.com

- Global growth enabled by digital technology
- Accurate 3D scans yield better fitting braces
- Electronic patient history helps troubleshooting



Harnessing digital technology to serve customers around the world.

For the past eight years, Cascade DAFO have been using the Vorum digital P&O solution to produce pediatric Dynamic Ankle Foot Orthoses (DAFOs) for both domestic and international customers. This capacity to accept digital files allows Cascade DAFO to manufacture braces for patients all over the world.

A more complete picture. Better fitting braces.

“The Vorum non-contact 3D optical scanner not only enables us to easily serve patients all over the world, it also gives a more complete picture of the patient, so that we can provide a better fitting product” states Loretta Sheldon, Director of Business Development and Education. Once they create or receive a scan, Cascade DAFO

staff complete all of the necessary modifications, as specified on their order forms, using Vorum 3D design software. Next, they send the shape to a carver which mills it out of foam. The foam mold is used instead of a plaster positive to create the brace and the brace is shipped to the customer.

Digital technology enables new ways to track patient history and collaborate with practitioners.

Within the Vorum design software, all patient measurements and shape modifications are stored in a history, allowing practitioners to track changes over time. This also enables them to make changes and adjustments efficiently and effectively, which proves to be very useful if a DAFO brace needs to be re-fabricated under warranty. "Vorum's digital technology allows us to collaborate with practitioners and quickly troubleshoot issues," explains Sheldon. "I recall a case when re-fabrication of a brace was required: the Vorum solution allowed us to look through the layers of modification to unravel the root of the problem. Thanks to this history, a

conversation with the practitioner, and a video of the patient, we were able to quickly come up with a good solution, using information we could rely on."

Easy to use and without limits to integration

"Superior ease of use and the fact that there were no restrictions to the way the software could be used within the Cascade Dafo system were key decision points" added Sheldon when asked why the company chose Vorum over other computer-aided design and manufacturing (CAD/CAM) systems.

The staff at Cascade Dafo reports that "the Vorum company provides great service and is very willing to take the time to show us how to use certain features of the software and make sure we are comfortable using it."

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