Mole Prosthesis case

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We are pleased to share a recent accomplishment using the Mole 3D scanner from **3DMakerpro**. Our team successfully utilized this scanner to reverse engineer the inner geometry of a transtibial prosthesis socket for the development of a 3D-printed liner with a cellular structure.

Despite the socket's black color, which can be problematic for many scanners, the scanning process with the Mole proved to be straightforward and easy.

One of the most remarkable aspects of using the Mole scanner was its reliable tracking capability. This enabled us to obtain the intricate geometry of the socket with just one scan consisting of 795 frames! The efficiency of the scanner's tracking system significantly streamlined our workflow, saving valuable time and resources.

This methodology will allow us to test liners with different cellular structures and compare them to traditional liners. Different stiffness of the cellular structure will be tested, which will provide valuable subjective responses from the patients concerning comfort and stability of the prosthesis. Such insights will guide us in designing and developing custom-made liners that improve fit while reducing the cost simultaneously.

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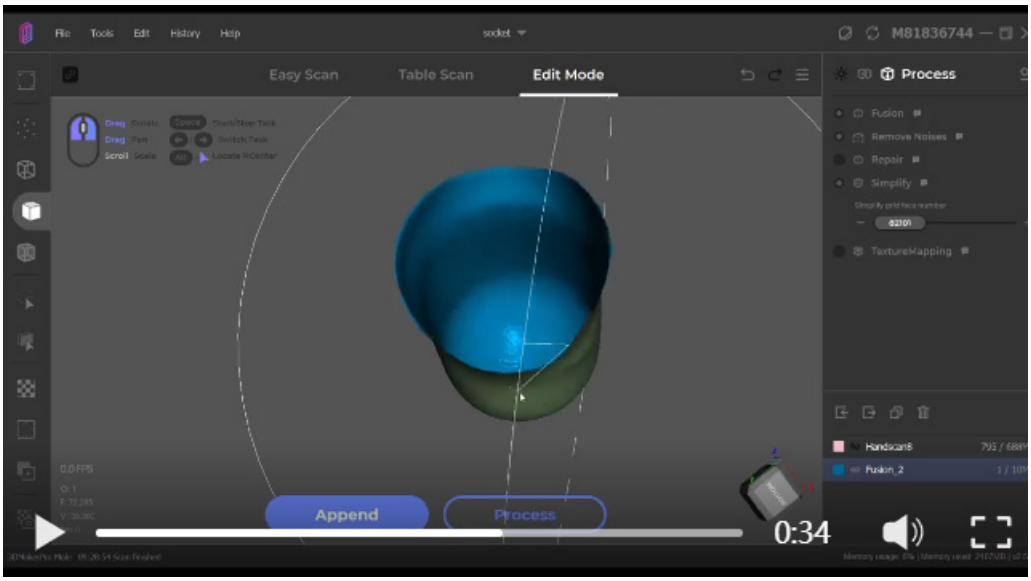

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Cellular liner and the socket.

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Perfect fit.

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