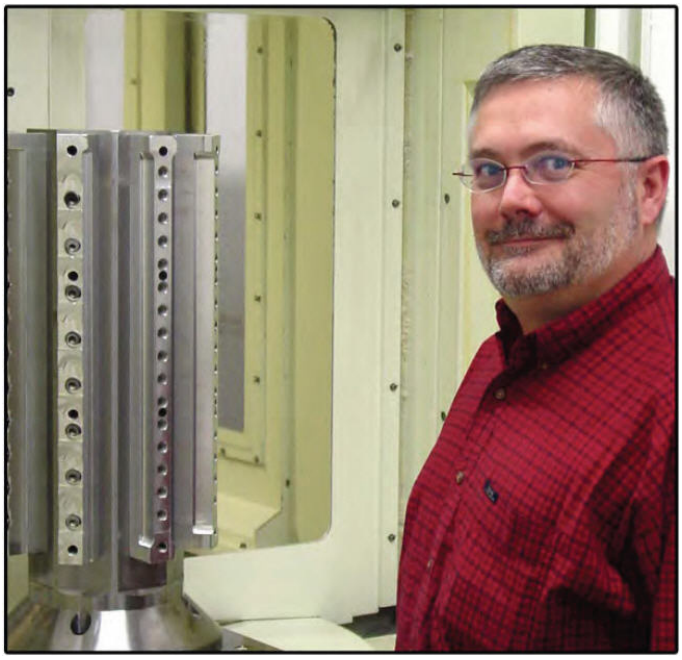
Industry: Medical

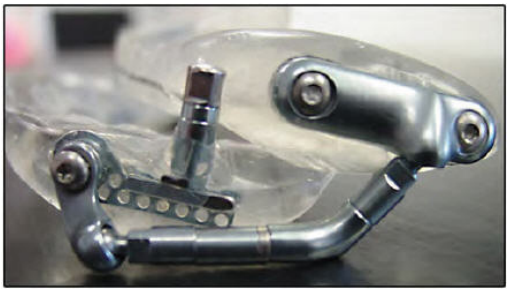
Material: Titanium

"We machine titanium unattended! With TRUEMill®, it´s fast and safe. Without TRUEMill®, we couldn´t afford to make these titanium orthotics."

- Peter R. Boucher, Präsident, 3V Precision Machining, Inc.



Using traditional CAM toolpaths would make the cost of manufacturing 3V´s titanium parts prohibitive. The primary trick to machining titanium at high speeds is preventing it from heating up. Titanium is very sensitive to the frequent fluctuations in temperature caused by erratic cutter loads inherent with the toolpaths generated by most CAM systems. The controlled and predicitable manner in which SURFCAM´s TRUEMill toolpaths cut enables lights out machining 24 hours/day, 7 days/week - and the speed is incredible!



Titanium orthotic components machined with a 1/32" endmill at 13,000 RPM and programmedfeedrate of over 150 IPM.

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