

3D-Side Marks Milestone with Patient-Specific Devices Delivered for Catalyst OrthoScience's Archer® PSI System

March 6, 2026 / 3D-Side, a Belgian medtech company specializing in 3D surgical planning and patient-specific device manufacturing, has produced and delivered patient-specific instruments for the Archer® PSI system, developed by U.S.-based Catalyst OrthoScience. All devices have been successfully used as part of a limited market release a meaningful validation of the system ahead of its full U.S. commercial launch.

The milestone follows FDA 510(k) clearance of the Archer® PSI system and comes during Catalyst's phased U.S. market introduction. Devices have been deployed in both anatomic and reverse shoulder arthroplasty cases, covering glenoid and humeral preparation a combination that remains rare among patient-specific instrumentation offerings in the shoulder segment.

3D-Side's role spans the full workflow: translating preoperative 3D planning into precision-manufactured surgical guides tailored to each patient's anatomy. The collaboration with Catalyst demonstrates the company's ability to take a partner from regulatory clearance through to active clinical use at scale.

“Reaching this milestone highlights the maturity and robustness of our software and manufacturing platforms,” said Laurent Paul, CEO of 3D-Side. “This project demonstrates our ability to support industry partners from development through to clinical deployment of patient-specific solutions.”

With the phased rollout underway, 3D-Side is proud to support Catalyst’s broader commercial expansion across the U.S. shoulder arthroplasty market.

About 3D-Side

Founded in 2015, 3D-Side develops software and additive manufacturing solutions for complex bone surgery. The company's platform connects medical imaging and 3D surgical planning to the production of patient-specific devices, supporting implant manufacturers and surgical teams from design through clinical deployment. 3D-Side operates internationally with a focus on orthopedic and reconstructive procedures.

About Catalyst OrthoScience

Catalyst OrthoScience, founded in 2014 by orthopedic surgeon Dr. Steven Goldberg and based in Naples, Fla., is redefining shoulder replacement surgery. With a focus on less invasive techniques, fewer complications, and a more natural-feeling shoulder, Catalyst is breaking away from traditional approaches. The company offers total shoulder systems engineered for precision and efficiency – preserving bone and soft tissue while enabling delivery of consistent, reproducible results. With a growing portfolio of issued and pending patents, Catalyst technology is available across the U.S.