HCL CAMWorks

Swiss Machining VAR FAQs

Sales FAQs

Q1: What is CAMWorks Swiss-style CNC support, and why is it important?
A: Swiss-style CNC machines are optimized for small, high-precision parts with tight tolerances — common in medical, aerospace, and electronics industries. CAMWorks 2026 introduces dedicated tools to program these machines more efficiently, reducing cycle time and eliminating manual coding.

Q2: Who is the ideal customer for this new module?
A: Machine shops that produce small, complex, high-volume components. Common use cases include medical implants, surgical tools, connectors, watch components, aerospace fasteners, and microelectronics.

Q3: Is this a separate product or part of CAMWorks' standard license?
A: Swiss-style CNC functionality is offered with CAMWorks Turning Premium and Ultimate packages. It integrates seamlessly into the CAMWorks interface.

Q4: What value does this bring to shops already using CAMWorks?
A: For existing users, the Swiss module leverages their current CAMWorks knowledge and workflow while unlocking new capabilities for Swiss-style machining. It reduces the need for third-party solutions or manual edits.

Q5: How does this compare to other CAM solutions on the market?
A: CAMWorks offers tight integration with SOLIDWORKS, true feature-based machining, and a unique approach to multi-channel synchronization. Competitors often require more manual intervention or lack integrated CAD-CAM workflows.

Q6: Is training or onboarding included with purchase?
A: Resellers can bundle onboarding or training services. A short training session is highly recommended to ensure customers fully utilize Swiss-specific features like channel synchronization and cycle optimization.

Q7: Are there marketing materials or demo files available to help sell this module?
A: Yes — CAMWorks provides sales collateral, demo part files, video overviews, and presentation decks to help you present the Swiss module effectively.

Technical FAQs

Q1: What types of Swiss machines are supported?
A: CAMWorks supports a wide range of sliding headstock Swiss machines, including models from Star, Citizen, Tsugami, Tornos, Hanwha, and others. Multi-channel and multi-spindle configurations are included.

Q2: How is multi-channel synchronization handled?
A: CAMWorks provides an intuitive channel synchronization manager, allowing users to assign operations to different channels, control timing, and optimize parallel toolpaths—all visually within the interface.

Q3: Can users simulate Swiss-style machining inside CAMWorks?
A: Yes. CAMWorks supports synchronized simulation to verify tool motion across multiple turrets and spindles, minimizing the risk of collisions and enabling safe program optimization before going to the machine.

Q4: Does the module support bar feeders, sub spindles, and live tooling?
A: Yes, the Swiss module supports bar feeders, sub spindles, live tooling, and backworking operations. It also includes support for part transfers and cutoff operations.

Q5: Are special post processors required for Swiss machines?
A: Yes. Due to the complexity and variation in Swiss machines, custom post processors are typically required. CAMWorks offers Swiss-specific post development services and a library of supported posts.

Q6: Can existing CAMWorks users upgrade without data loss?
A: Yes. CAMWorks 2026 maintains compatibility with prior part files, and Swiss operations can be added to existing workflows. However, previous versions of CAMWorks do not include the Swiss module and must be upgraded.

Q7: What are the system requirements or dependencies?
A: The Swiss module requires CAMWorks 2026 or later. It works within both CAMWorks for SOLIDWORKS and CAMWorks ShopFloor, with recommended system specs for multi-channel simulation performance.

Q8: Is automatic toolpath generation supported for Swiss operations?
A: Yes. Feature-based machining and intelligence-based machining can be used for Swiss operations, though users may fine-tune strategies for optimal synchronization and tool engagement.