

## Taking CNC Machining and Automation Consulting to a Whole New Level

Serview Automates Machine  
Vision System Workflows  
and Boosts Machining with  
**HCL CAMWorks**

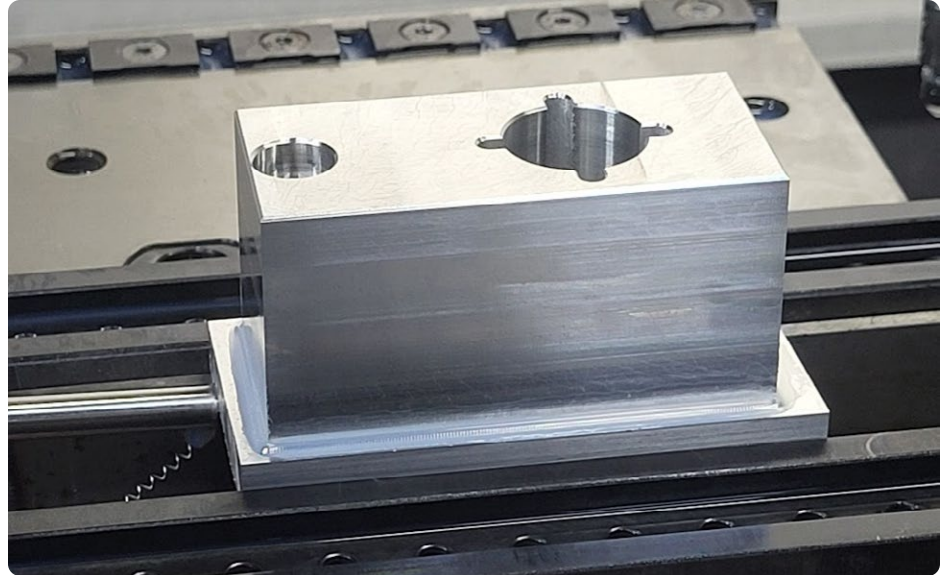


---

# Taking CNC Machining and Automation Consulting to a Whole New Level

Serviev, Inc. is a manufacturing and engineering consultancy that works with other companies on automating and improving production processes. Based in West Berlin, N.J., the company focuses on factory automation, including machine vision system integration, CNC machining optimization, and robotics integration. Working with partners, Serviev designs, engineers, manufactures, services, installs, and supports a portfolio of products and equipment used to integrate advanced manufacturing technologies, such as real-time inspection, monitoring, and control of metalworking processes.

Leveraging industrial machine vision inspection and automation controls systems, which utilize cameras, sensors, lights, and computers, Serviev provides turnkey vision systems integration services—including system design, procurement, configuration, installation, validation, documentation, training, and service. The company supplies modular mounting brackets to other system integrators, resellers, original equipment manufacturer (OEM) machine builders, and customer in-house technicians, for mounting sensors, lights, cameras, and components. In addition, the company provides design and manufacturing services to OEM machine vision systems suppliers and OEM machine builders by utilizing commercially available/off-the-shelf parts along with custom-designed and fabricated components. These items are assembled into custom-engineered optical inspection modules to fulfill specific OEM client requirements. Lastly, Serviev provides additional engineering consulting services focused on CNC machining optimization and robotics integration.



Serviev provides additional engineering consulting services focused on CNC machining optimization and robotics integration. Serviev provides turnkey vision systems, modular mounting brackets, and design and manufacturing services to OEM machine builders and machine vision OEMs.

According to Co-Founder and Co-Owner Steve LeBlanc, Serviev performed manual G coding to establish tool paths for its mill when the company was first founded, before moving to a free version of HSMWorks® computer-aided machining (CAM) software. However, as Serviev's business grew in its early years, the limitations of free CAM made it clear that the company would need a more robust CAM solution moving forward. "We were in the process of evaluating SOLIDWORKS® computer-aided design (CAD) software for modeling

parts and components when our SOLIDWORKS reseller introduced us to HCL CAMWorks® CAM software," LeBlanc recalls. "This was roughly 10 years ago, and we became interested in SOLIDWORKS because more and more of our system manufacturing partners and customers were using SOLIDWORKS. When the limitations of free solutions became evident—for example, we needed to machine parts inside assemblies, which we weren't able to do—we decided to invest in and implement both SOLIDWORKS CAD and CAMWorks CAM software.

---

# Taking CNC Machining and Automation Consulting to a Whole New Level

“What we really liked about CAMWorks is it utilizes SOLIDWORKS as its modeling front-end, so it was very much like having CAM built into our design system,” LeBlanc adds. “This was a real timesaver, and the bi-directional associativity between SOLIDWORKS and CAMWorks made implementing changes a lot easier and less error-prone.”

Serview purchased HCL CAMWorks multi-axis milling and HCL CAMWorks VoluMill high-speed machining software to support 3-axis machining on its DN M5700 mill, utilizing a FANUC controller, and to take advantage of the solution’s seamless integration with SOLIDWORKS 3D modeling software. The company acquired CAMWorks to enable it to automate design and machining workflows to boost production efficiencies while simultaneously increasing CNC optimization, robotics integration, and production automation consulting capabilities.

## Automating Workflows and Increasing Throughput

Since implementing HCL CAMWorks a decade ago, Serview has automated its design and machining workflows, increasing efficiency while simultaneously reducing scrap and rework. Automating its workflows has allowed the company to increase its machining throughput without adding more resources, resulting in throughput that has more than doubled since the CAMWorks implementation. “We do a lot of prototyping, machine our own products, and create custom parts for customers and partners in our shop,” LeBlanc explains.



**Steve LeBlanc**  
Owner Serview, Inc.

“The combination of SOLIDWORKS and CAMWorks enables us to iterate quite a bit in software—tweaking our models and simulating our tool paths several times to make sure we got everything right before cutting metal,” LeBlanc continues. “Because everything that we machine is at low volume, we need to be as accurate as we can, while leveraging automation as much as possible. CAMWorks is an enabling tool in that it helped us automate workflows and increase throughput while lowering our scrap rate overall. CAMWorks has been a real game changer for us.”

## Growing Machine Vision System Integration and Factory Automation Business

With the greater automation and efficiencies afforded by CAMWorks software, Serview has continually grown its machine vision system integration and factory automation business, increasing its customer list ten-fold in the process. “Our goal since implementing CAMWorks has remained constant: to grow through automation,” LeBlanc stresses.

“With the automation provided by CAMWorks, we are able to scale up or down as needed based on our volume of business as well as extend the capabilities that we can offer as part of our factory automation consulting work,” LeBlanc notes. “System integration and factory automation are distinct niches where we have been able to develop specialized design and machining expertise because we do it every day in our own shop with CAMWorks.”



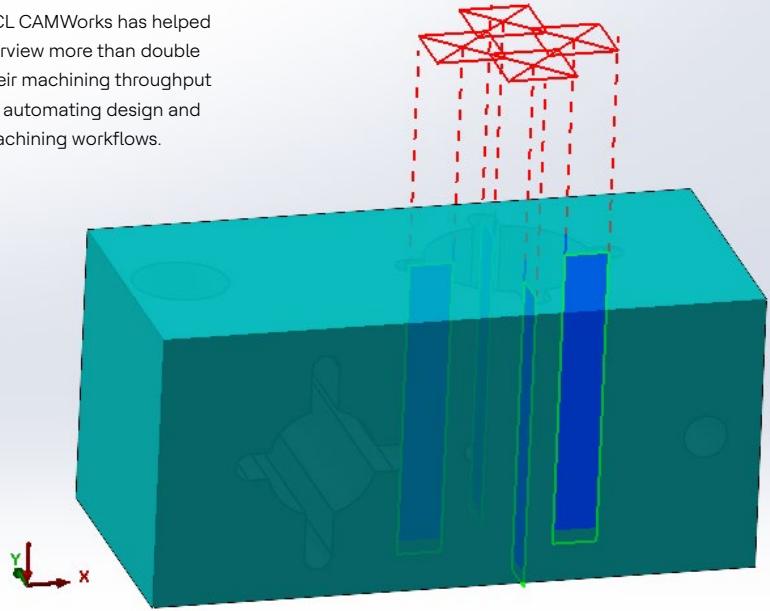
# Taking CNC Machining and Automation Consulting to a Whole New Level

## Combining Innovations for Machine Tending Improves Quality and Extends Tool Life

Servier is helping clients optimize CNC machining operations and realize unattended, robot-controlled machining by combining an HCL CAMWorks innovation with the innovative TMAC technology developed by Caron Engineering. "Once HCL wrote a post-processor to work with TMAC software, we realized the benefit of both theoretical and measurement-based adaptive control technologies that serve to improve quality and extend tool life," LeBlanc points out.

"The HCL CAMWorks VoluMill high-speed machining software uses theoretical math to manage roughing and finishing operations that extend tool life," LeBlanc explains. "TMAC software uses sensors and measurements to bring a real-world approach to adaptive control, and also provides the added benefit of stopping machining operations within a millisecond—far faster than an operator could hit a button—whenever it detects a problem or failure. The combination of the two technologies helps our customers optimize machining operations that don't need to be attended by an operator, increasing productivity, improving quality, and extending tool life in the process."

HCL CAMWorks has helped Servier more than double their machining throughput by automating design and machining workflows.



### The Client

**Company:** Servier, Inc.

**Headquarters:** West Berlin, NJ, USA

**Industry:** Machine vision system integration and mounting components; CNC optimization and production automation; robotics systems integration

### The Challenge

Automate design and machining workflows to boost production efficiencies while simultaneously increasing CNC optimization, robotics integration, and production automation consulting capabilities

### The Solution

Implement HCL CAMWorks multi-axis milling and HCL CAMWorks VoluMill high-speed machining software to support 3-axis machining and take advantage of the solution's seamless integration with SOLIDWORKS 3D modeling software to save time, develop new products, boost productivity, and support growth

### The Benefits

More than doubled machining throughput

Grew customer list tenfold

Automated design and machining workflows

Increased CNC optimization, robotics integration, and production automation consulting business

---

# Taking CNC Machining and Automation Consulting to a Whole New Level

## Contact us:

camworks.inquiries@hcl.com  
www.camworks.com

## About CAMWorks

2026 © HCL Technologies. All rights reserved. HCL CAMWorks® delivers a fully integrated CAD/CAM solution that saves time and boosts efficiency for CNC machining, with programming for 2.5-axis to 5-axis mills, lathes, mill turn, Swiss machining, wire EDM, and more. By working seamlessly within SOLIDWORKS, 3DEXPERIENCE SOLIDWORKS, and Solid Edge; there's no need to maintain separate CAD and CAM files, as design and manufacturing data are stored in a single file. When design changes occur, toolpaths and G-code update automatically. With advanced features including automatic feature recognition, intelligence-based machining, and the Technology Database (TechDB™) for capturing best practices, programming time is cut dramatically, and machining cycles are optimized — helping manufacturers achieve faster turnaround and higher productivity.

*The copyright/trademarks of all products referenced herein are held by their respective companies.*



# HCLSoftware

## About HCLSoftware

HCLSoftware is a global leader in software innovation, dedicated to powering the Digital+ Economy. We develop, market, sell, and support transformative solutions across business and industry, intelligent operations, total experience, data and analytics, and cybersecurity. Built on a rich heritage of pioneering spirit and unwavering commitment to customer success, we deliver best-in-class software products that empower organizations to achieve their goals. Our core values of integrity, inclusion, value creation, people centricity, and social responsibility guide everything we do. HCLSoftware serves more than 20,000 organizations, including a majority of the Fortune 100 and almost half of the Fortune 500. **Learn more about how HCLSoftware can help you achieve your goals at <https://www.hcl-software.com>.**

04/23/26