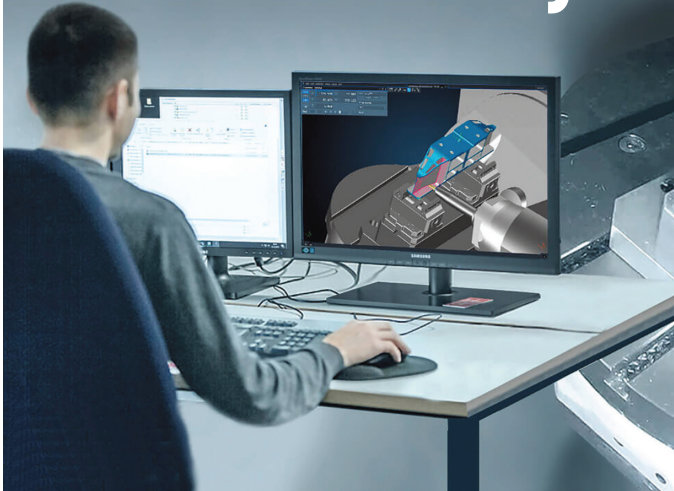


# Providing Solutions for Industry 4.0



**High-tech software and process solution provider Tebis America, Inc. is committed to building the workforce and technologies of tomorrow.**

**A** transformation of the American manufacturing industry is underway, as the Fourth Industrial Revolution—or Industry 4.0—ushers in automation of traditional manufacturing practices. Driven by smart manufacturing technologies like robotics, virtual environments, and AI, this merger of man and machine is one that software and process solution provider Tebis America, Inc. has long envisioned.

As a privately owned company that develops and provides 3D CAD/CAM software solutions for the manufacturing industry, Tebis ensures that its technologies sync perfectly with the needs, systems, and abilities of its customers. In this way, Tebis is a complete process solution provider for companies eager to optimize manufacturing processes and enter the slipstream of Industry 4.0.

“A well-managed organization plus automation and standardization is the key to success,” says John Kowalczyk, president of Tebis America. “This is our sweet spot. We were providing automation well before others were thinking of it.”

## Next-level Tech

Nearly four decades ago in Germany, Tebis founder and developer Bernhard Rindfleisch saw a need for digitized and numerical control (NC) milling systems in the form of graphical and interactive CAD/CAM systems. To realize this vision, he built the first Tebis system, which was widely embraced by the German automotive industry. When launching Tebis America in 1996, Rindfleisch chose the manufacturing and innovation hotspot Detroit for its headquarters. The company soon earned the business of the Big Three: General Motors, Ford Motor Company, and what is now Fiat Chrysler Automobiles.

Today, Tebis’ high-caliber software is found in the program suites of many U.S.-based automakers, automaker suppliers, and aerospace manufacturers. Its signature technologies include NC toolpaths calculated on mathematically accurate CAD surfaces; an unparalleled ability to handle massive data sets; and superior digital twins technology, which allows workers to utilize exact replica machines from the shop floor in a virtual environment. This last feature was high in demand by companies transitioning to remote production during the COVID-19 pandemic.

To help customers achieve fluency with its technologies, Tebis offers robust consultancy services led by veterans of the manufacturing industry. In addition to training staff, consultants identify clients’ strengths and weaknesses and develop strategies for improvement. Helping companies run like well-oiled machines is part of Tebis’ DNA, says Kowalczyk. “We want our customers to achieve their best,” he says. “That’s what makes us a process solution provider and not just a software provider.”

Today, Tebis is heavily invested in rebuilding its community and the industries it serves. Early on during the pandemic, Tebis software was used to produce PPE and ventilator parts in record time. Later, the company offered free training to laid-off or non-employed individuals to help them reestablish their edge in the industry. These are just a few examples of how Tebis is helping to write the narrative of Industry 4.0.

“Companies must invest in technology—not only to survive but to thrive,” Kowalczyk says. “It’s our duty at Tebis to envision and develop the tools that will help our customers surpass the competition and shape the future for their industry.”

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