



About Our Company

Innovative solutions for manufacturing

Machine Components

Machine Tool Gages

HSK Tool Taper Products
for Machine Builders

Global Parts Service

Workholding Systems

Tool Holders

Machine Tool Accessories

HSK Tool Taper Products
for Machine Users

Rapid Prototyping



Founded in 1991, Transatlantic Connection and its TAC Rockford division provide products and engineering services to manufacturers.

What we do

Transatlantic Connection focuses on integrating unique products for manufacturers of machining centers and sourcing critical replacement parts, while TAC Rockford provides innovative solutions for manufacturing companies that improve productivity, reduce machine downtime, and shorten the product development process. For example, the ForceCheck gage (made in Rockford) is a tool which can predict problems with a machine's ability to hold a tool before they become serious.

Who our customers are

Most of our customers produce "metal products" for automotive, aerospace, machine tool, and other diverse sectors. That said, some customers do everything from making guitars to maintaining wind farms to supplying urgent parts for municipal water treatment plants and everything in between — we never know who we'll get to talk to when we pick up the phone! Companies range from one-person shops to major corporations such as General Motors, Boeing, and Caterpillar. We have a growing international customer base as well, with customers in many European and Asian countries.

Where we are

In October 2005, our company renovated a 1930's era building in Rockford's downtown River District. We chose this location because it is a great place to work and to make a commitment to the success of the downtown community.



TAC Rockford Product Families



Workholding Systems

Using innovative technologies, TAC Rockford products simplify workholding while dramatically reducing unproductive machine down-time due to set-up and changing workpieces. Products include the QuickPoint mini pallet system, the revolutionary GripFix workholding system, Vari-oTec vise jaws and InoGrip chuck jaws.

Machine Tool Gages

TAC Rockford offers a variety of preventative maintenance gages designed to detect problems in machining centers and turning machines before they become serious. Products include the ForceCheck gage for measuring tool holder clamping force, spindle run-out test bars, and spindle and tool holder dimensional gages.



Tool Holders

Specializing in holders for unique and demanding applications, TAC Rockford offers standard and custom tool holders for the HSK and other tool tapers, specializing in high-tech tool holder systems such as heat shrink technology. In addition, we offer tool holder blanks for manufacturers of custom holders.

Machine Tool Accessories

Our unique machine tool accessories improve productivity on the shop floor. Products include tool holder balancing systems, workpiece set-up indicators, tool holder heat shrink systems, tool holder and spindle cleaning tools, tool mounting fixtures, tool storage systems, and innovative machine setup indicators.



HSK Tool Taper Products for Machine Users

Developed by a research consortium, the HSK tool taper standard was developed in the 1990's to address the new and demanding requirements of high-tech, high-speed machine tools. TAC Rockford has been involved with the HSK tooling system since its inception. We offer everything for the HSK machine user including standard and custom tool holders, coolant tubes, all required gages, taper cleaning products, tool storage systems, tool holder balancers, and our expertise. No other company offers more products and experience for HSK.

Rapid Prototyping

3D printing machines from Dimension accelerate the design and development process through rapid evaluation of product form, fit, and function. Find out how your company can shorten time to market for new products with these revolutionary machines.





TRANSATLANTIC CONNECTION, INC.

Engineering expertise and experience for the machine tool industry

Transatlantic Connection Product Families



Machine Components

Transatlantic Connection engineers and integrates custom solutions of components from globally-recognized names in the machine tool industry. Products include power drawbar systems, manual HSK clamping systems, DIN 69002 standard and custom spindles, tool changers and tool changer components, Hirth couplings, rotary unions, cooling systems, pallet change systems, and other unique products.

Machine Tool Gages

We specialize in the unique gage requirements for manufacturers of machining centers. Gages we offer verify critical features of a machine tool: tool holder clamping force, spindle run-out, critical spindle and tool holder dimensions, tool and spindle balance, chuck jaw force, and others.



HSK Tool Taper Products for Machine Builders

Involved with the HSK tooling system since its inception, Transatlantic Connection offers virtually everything needed by the machine builder: tool clamping systems, tool changers, spindles, all required gages, and most importantly our experience. No other company offers more products and expertise for HSK.

Global Parts Service

From hard-to-find pumps, gearboxes, and motors to brakes, springs, or anything else, Transatlantic Connection can supply virtually any replacement part from European and Asian manufacturers rapidly and at a reasonable cost. Our prices are quoted for shipment from Rockford, IL. There are no language or cultural barriers, no difficulties with customs clearance, no hassles with payments in foreign currency, and no unexpected costs. Should you need anything "European" we can usually help. With our extensive network and connections we can meet your needs.



