

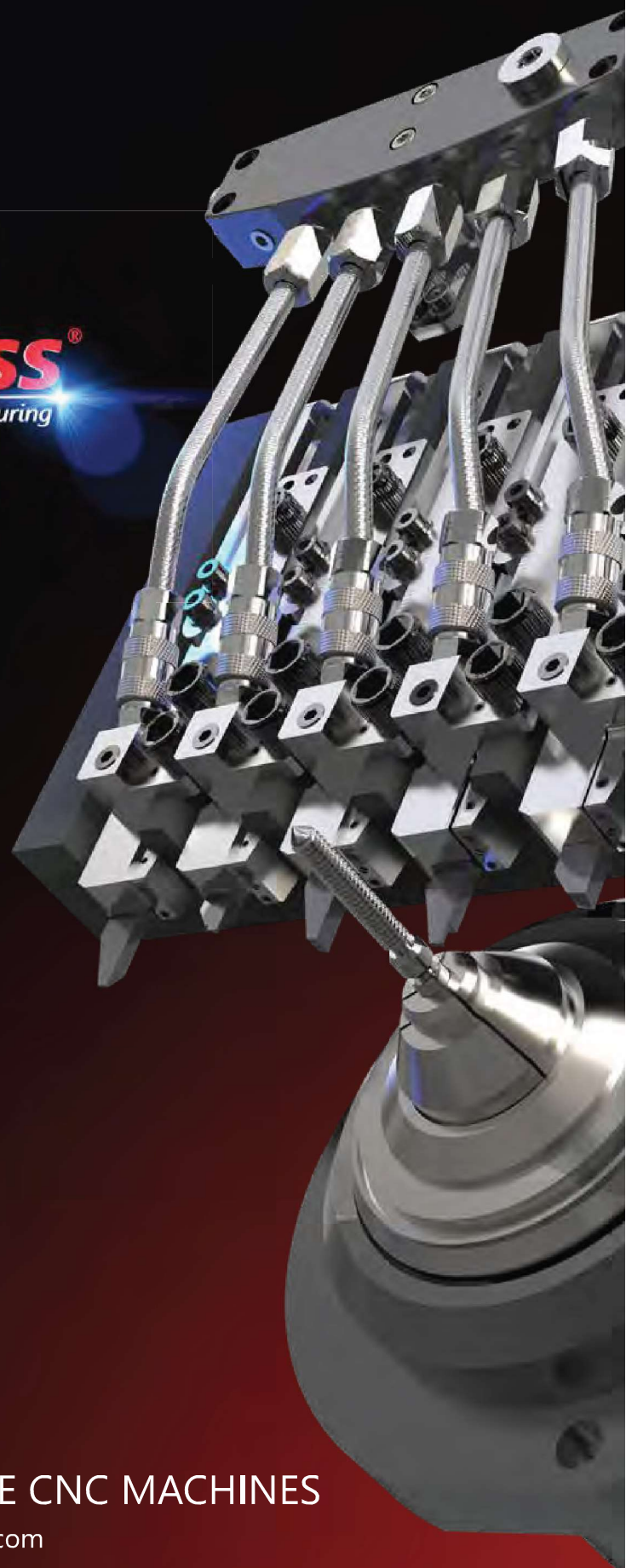


2019 Catalog

Version 10.19

TOOLING FOR SWISS-TYPE CNC MACHINES

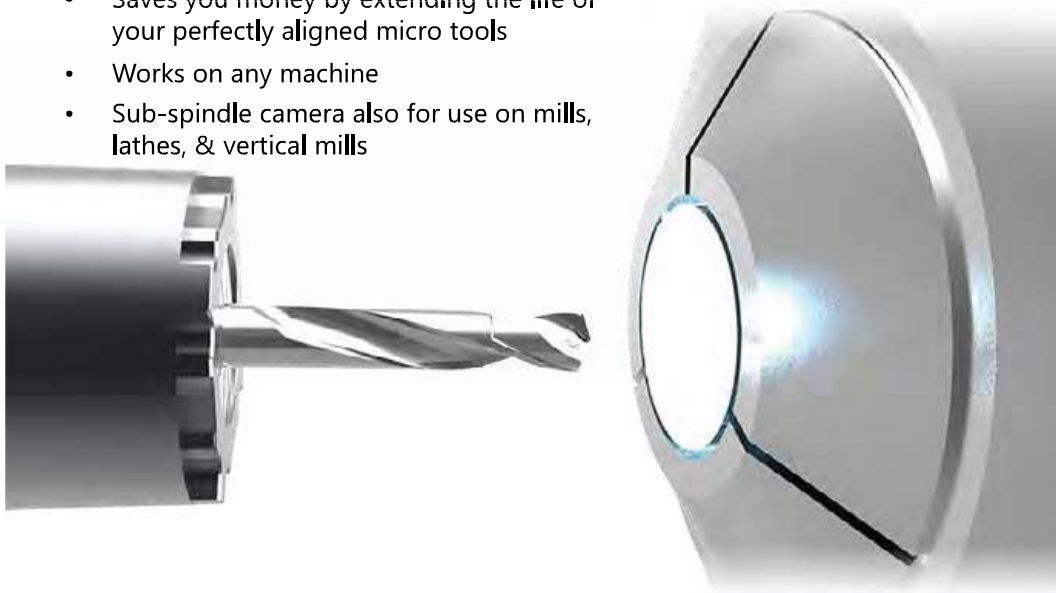
www.genswiss.com



PERFECT ZERO

Visual Alignment System

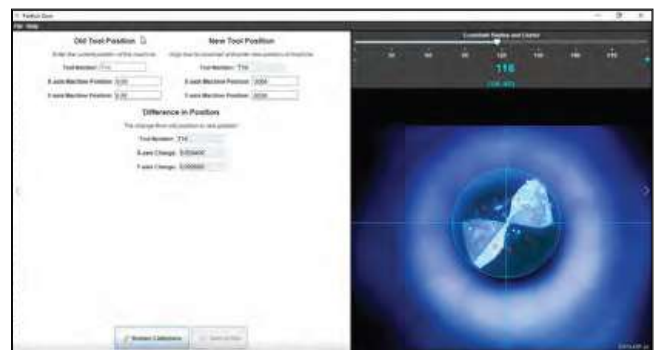
- Center ID tools as small as .002in
- Center OD tools including threading tools, turning tools, & Y-axis tools
- Saves you money by extending the life of your perfectly aligned micro tools
- Works on any machine
- Sub-spindle camera also for use on mills, lathes, & vertical mills



The Perfect Zero visual alignment system is a complete turn-key solution for any machine, perfectly and rapidly centering your tools. With perfectly centered micro tooling, Perfect Zero will pay for itself in both time savings and added service life for your tooling. The included laptop computer, pre-installed Perfect Zero software, and cameras will center your tools on both the guide bushing and sub spindle side of any machine. Center micro drills as small as .02in as well as OD tools, including threading tools, turning tools, and Y-Axis tools. The non-contact optics of the sub spindle and guide bushing cameras eliminate alignment errors with no measuring gauges needed.



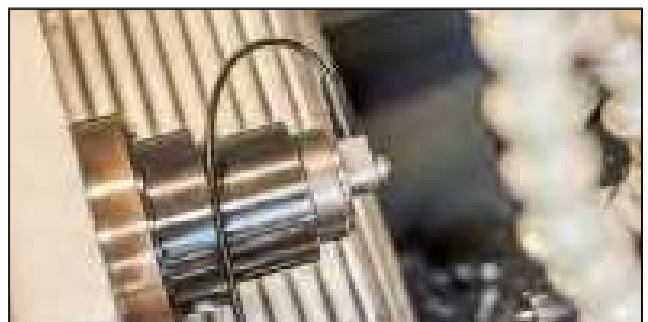
Perfect Zero aligning a micro tool on a Citizen Swiss-style machine



Screen-shot of Perfect Zero Software crosshairs on ID tool



Guide bushing camera, aligning ID tool



Camera in sub spindle



Perfect Zero Kit Includes:

Contents	Description
Cameras	(1) 12.7mm Guide Bushing Camera, (1) 12.7mm Sub Spindle Camera.
Visual Targets	(5) Targets with 0.25, 0.375, 0.5, 0.625, & 0.75in OD (All targets have 0.02in ID) Used for finding the center of your tool.
Laptop & Software	The Perfect Zero Software comes pre installed on each included laptop.
Service Cart	A wheeled cart useful for transporting Perfect Zero between multiple machines.
Carry Case	Durable carry case, ideal for storing all Perfect Zero components and taking on-the-go.