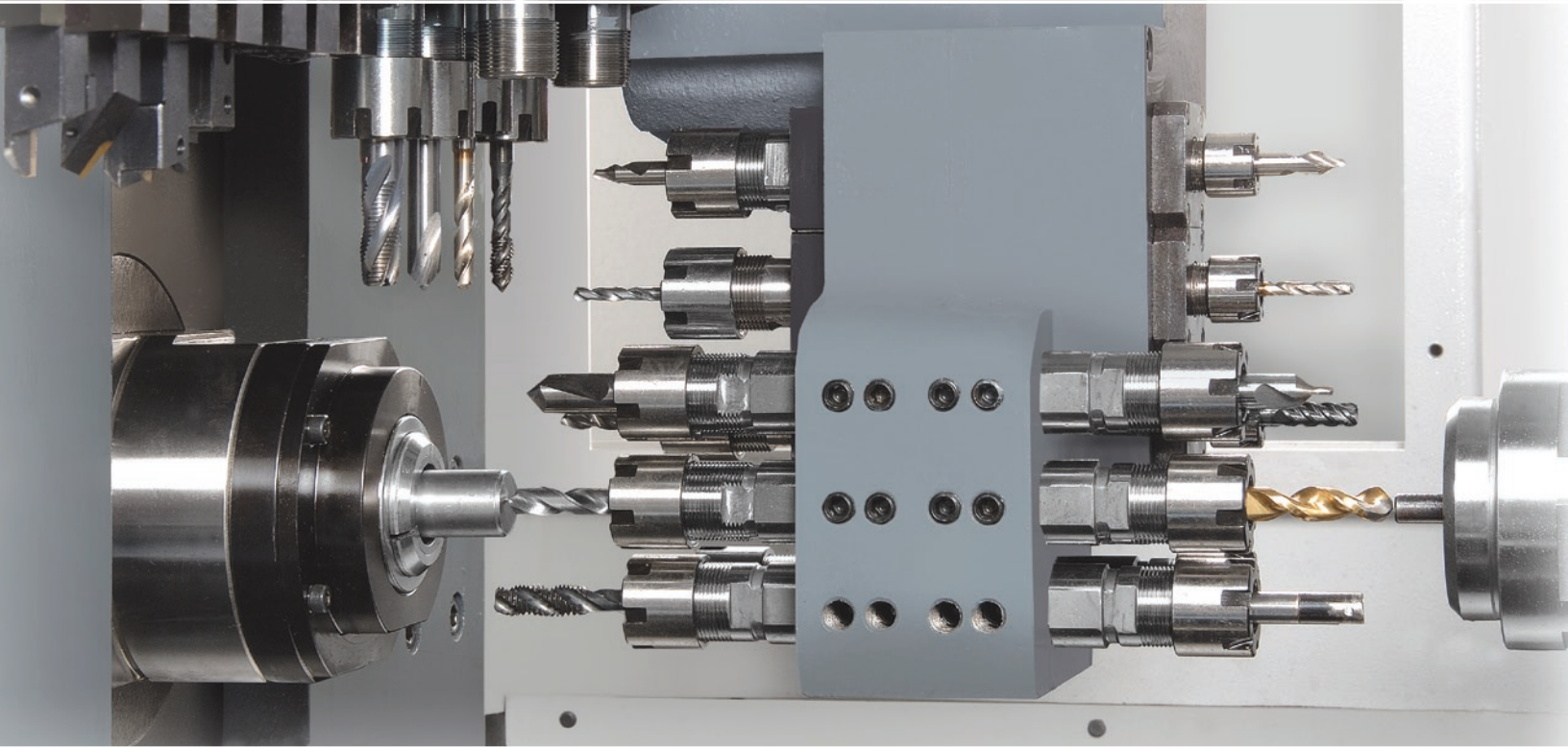


WIN WITH TECHNOLOGY

6-Axis Swiss Type Auto Lathe New SWISS⁺TURN Zeiger 20/32 SLY Series



Economical machining on main and sub-spindle



"We were looking at another Citizen (own Citizen now) and we saw the SWISS⁺TURN. The machine can do so much more than any other Swiss machine. We are holding tolerances of 0.0002."

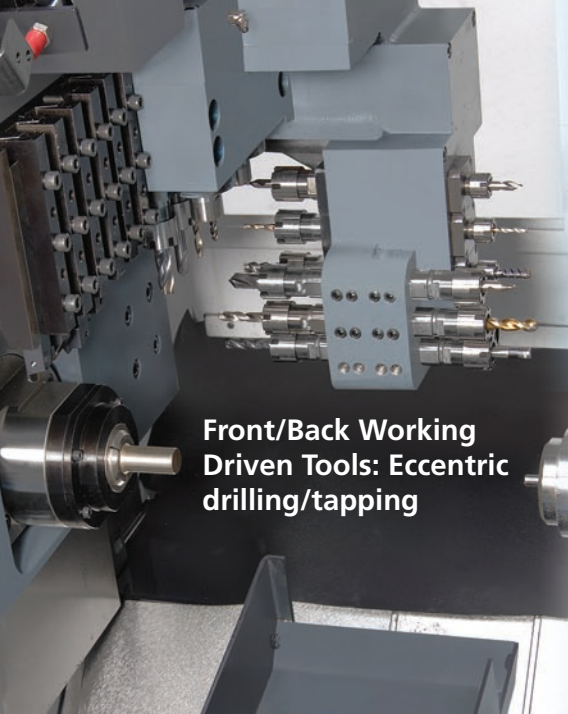
Paul Ott - owner
OTT Brothers Machine Co.

E EUROTECH

Technology - Runs Faster Sleeps Less

Complete parts in one-op...eliminate handling, fixturing, inspections, wasted time and floor space!

ver. 2- 2/27/12



**Front/Back Working
Driven Tools: Eccentric
drilling/tapping**



**Cross Working
Driven Tools**



**Cross Working
Static Tools**



The Zeiger front/back machining Swiss type CNC auto lathe - the ultimate for bar machining and auto loaded components. The main performance benefits offered:

- Reduction of cycle times
- Great rigidity to allow machining of tough materials
- Load up to 26 cutting tools for machining of complex parts and reduce set-up times
- Ergonomics for quick and easy access for retooling operations
- Up to 12 live tools for milling ops.
- Programmable parts handling and conveyor system for the main and sub-spindle

Raw materials machining: The Rough Material Option allows the customer to utilize standard bar stock without using a guide bushing. Converting from guide bushing to the Rough Material Option can be done in 10 minutes.

The superior design delivers extremely efficient and fast production of complex parts using live tools, Y-axis and C-axis.

High productivity with cost savings:

Wider and optional variety tool post structure provide operations at high speed and high precision.

Back spindle: The Zeiger offers high performance with efficient front/back machining.

Main spindle: The main spindle comes standard with C-axis.

C-Axis for milling: The main spindle is standard with C-axis.

Short Remnant Material Length: Optional with Rough Material Bushing, the remnant material can be 80mm (depending on last part length). This feature effectively reduces waste, resulting in substantial material cost savings.

The Zeiger is our most economical model and can complete most complex parts in one operation. Additionally, the Zeiger is equipped to run "lights out".



Over \$20,000 in Options - plus many productive Machine features & equipment INCLUDED!

STANDARD FEATURES:

- Main spindle
- Back spindle
- Chip conveyor and bucket
- Working light
- Coolant system
- Fixed bushing
- Live bushing
- Parts Catcher
- 6- O.d. Turning Tools
- 6- Cross Working Driven Tools
- 4- I.D. Stationary Tools
- 3- Front Working Driven Tools
- 4- Back I.D. Stationary Tools
- 3- Back Working Driven Tools

"All I can say is give people this message: The SwissTurn does everything that the Citizen can do but more and BETTER! Just run it off against Citizen and you will see what a really good machine it is. The accuracy, rigidity are awesome and it holds amazing tolerances (we are holding tolerances of .0002)."

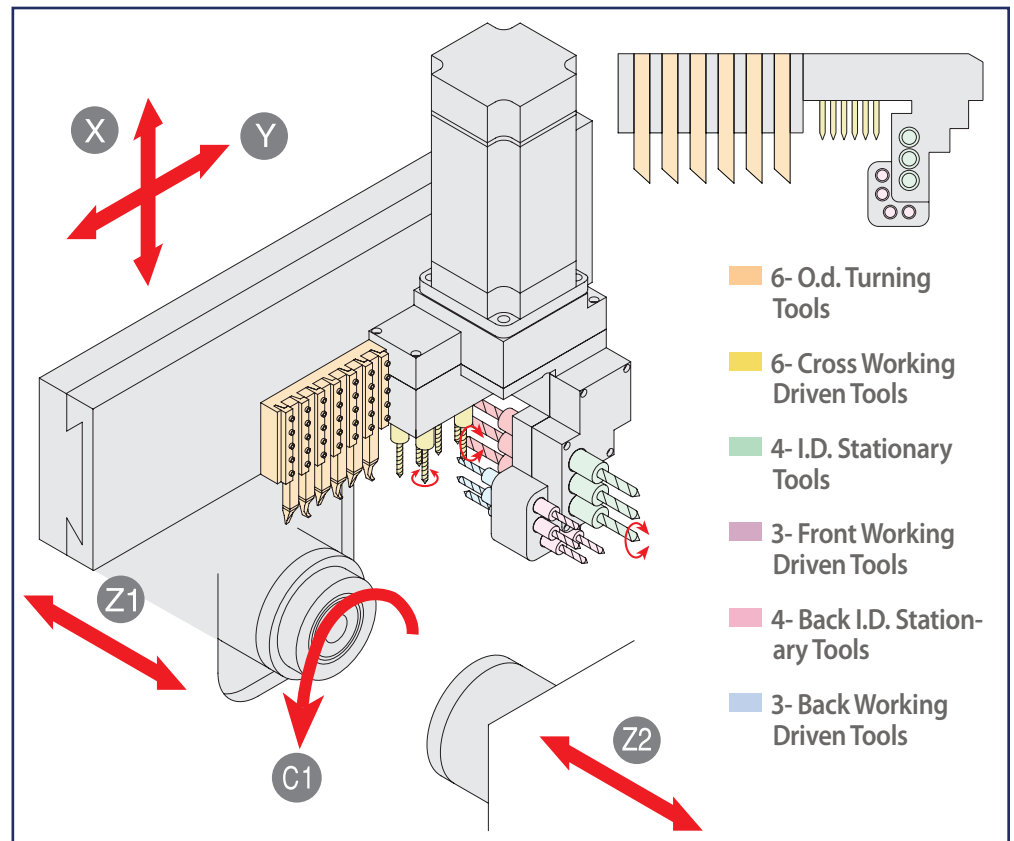
**Paul Ott - Owner -
OTT Brothers Machine Co (KS)**

"After visiting the SwissTurn factory, I've decided to sell my two Tsugamis to get the cutting edge technology that these machines deliver."

**Jeff Roth - Owner of Chasco -
Machine Co. (FL)**



Complex parts in one operation.



MACHINE SPECIFICATIONS

SwissTurn Zeiger Series

Description	Item	20 SLY	32 SLY
Working Range	Max Turning Diameter	20mm (.78")	33mm (1.30")
	Max. Machining Length per chucking	250mm (9.84")	250mm (9.84")
	Max Drilling Diameter	10mm	15mm
	Max Tapping Diameter	8mm	10mm
OD Tooling	Number of Tools	6	6
	Dimension	12mm x 12mm x 100mm	16mm x 16mm x 120mm
ID Tooling	Number of Tools	4	4
	Dimension	ER16	ER20
Cross Working Driven Tooling	Number of Tools	6	6
	Dimension	ER16	ER20
	Speed	6,000 RPM	6,000 RPM
Front Working Driven Tooling	Number of Tools	3	3
	Dimension	ER16	ER20
	Speed	3,000 RPM	3,000 RPM
Back Working ID Tooling	Number of Tools	4	4
	Dimension	ER16	ER20
Back Working Driven Tooling	Number of Tools	3	3
	Dimension	ER11	ER16
Main Spindle	Spindle Hole Diameter	20mm (.78")	36mm (1.42")
	Spindle Speed	10,000 RPM	8,000 RPM
	Angular movement	Full C axis	Full C axis
	Horsepower	5 HP	7.5 HP
Back Working Spindle	Spindle Hole Diameter	20mm (.78")	36mm (1.42")
	Spindle Speed	7,500 RPM	6,000 RPM
	Max Length for front eject	220mm (8.66")	220mm (8.66")
	Horsepower	1 HP	2 HP
Rapid Traverse	X1, Y1, Z1, Z2	709 IPM	709 IPM

Specifications contained herein are approximate and subject to change without notice

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"I can't say enough about Eurotech. Their engineering and service support is bar none"

Less Richards - Custom Mold



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