

**MACHINE SPECIFICATIONS**

**Eurotech SwissTurn Gepard Series**

Description	Item	20 SLY	32 SLY	42 SLY
Working Range	Max. Turning Diameter	20mm (.78")	32mm (1.26")	42mm (1 5/8")
	Max. Machining Len. per chucking	250mm (9.84")	250mm (9.84")	250mm (9.84")
	Max. Drilling Diameter	15mm	15mm	15mm
	Max. Tapping Diameter	12mm	12mm	12mm
OD Tooling	Number of Tools	6	6	6
	Dimension	16mmx16mmx120mm	16mmx16mmx120mm	16mmx16mmx120mm
ID Tooling	Number of Tools	4	4	4
	Dimension	13mm (ER20)	13mm (ER20)	13mm (ER20)
Cross Working Driven Tooling	Number of Tools	6	6	6
	Dimension Speed	13mm (ER20) 6,000 RPM	13mm (ER20) 6,000 RPM	13mm (ER20) 6,000 RPM
Front Working Driven Tooling	Number of Tools	3	3	3
	Dimension Speed	13mm (ER20) 6,000 RPM	13mm (ER20) 6,000 RPM	13mm (ER20) 6,000 RPM
Back Working ID Tooling	Number of Tools	4 + 4	4 + 4	4 + 4
	Dimension	13mm (ER20)	13mm (ER20)	13mm (ER20)
Back Working Driven Tooling	Number of Tools (Slide 1)	3	3	3
	Dimension (Slide 1)	10mm (ER16)	10mm (ER16)	10mm (ER16)
	Number of Tools (Post 2)	4	4	4
	Dimension Speed	13mm (ER20) 3,000 RPM (1:1)	13mm (ER20) 3,000 RPM (1:1)	13mm (ER20) 3,000 RPM (1:1)
Main Spindle	Spindle Hole Diameter	20mm (.51")	35mm (1.378")	42mm (1 5/8")
	Spindle Speed	10,000 RPM	8,000 RPM	6,000 RPM
	Angular Movement	Full C-axis	Full C-axis	Full C-axis
	Horsepower	5 HP	7.5 HP	10 HP
Back Working Sub-spindle	Spindle Hole Diameter	20mm (.78")	33mm (1.299")	33mm (1.299")
	Spindle Speed	10,000 RPM	8,000 RPM	8,000 RPM
	Max. length for front ejection	250mm (9.84")	250mm (9.84")	250mm (9.84")
	Angular Movement	Full C-axis	Full C-axis	Full C-axis
	Horsepower	5 HP	7.5 HP	7.5 HP
Rapid Traverse	X1, Y1, Z1, X2, Z2	1,181 IPM	1,181 IPM	1,181 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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WIN WITH TECHNOLOGY

# 7-Axis Swiss Type Auto Lathe New Eurotech SWISS<sup>+</sup>TURN



## Gepard 20/32/42 SLY Series

- Up to 42mm bar capacity
- Quick-change from Guide to Non-guide bushing
- Clear-shift Sub-spindle
- 30 cutting tool capacity
- 16 live tool capacity
- 10 hp on Main & Sub-spindle on 42mm model
- C-axis on Main & Sub
- Disc brake on Main & Sub



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

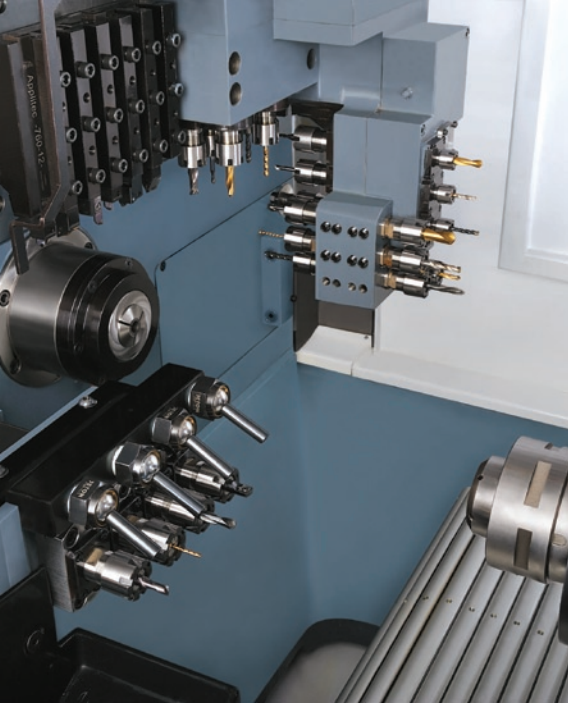
Paul Ott - owner  
OTT Brothers Machine Co.



**E** EUROTECH

Technology - Runs Faster Sleeps Less

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



The SwissTurn Y-axis slides dual-spindle Swiss type CNC auto lathe - the ultimate for bar machining and auto loaded components. The main performance benefits offered:

- Reduction of cycle times
- Greater rigidity and matched spindles allows machining of tough materials.
- Load up to 30 cutting tools for machining of complex parts and reduce set-up times.

**Back Spindle** - Fully programmable 2-axis Clear-shift sub-spindle delivers interference-free high performance front/back simultaneous machining.

**Short Remnant Material** - Without the guide bushing, the remnant material can be 50mm (depending on parts length).

**Replaceable Fixed/Driven Tool Holder Set** - The 4 station back stationary/driven tool holder can utilize either fixed or driven tool holders. This enables increased tooling flexibility.

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

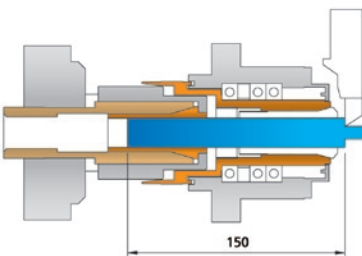
- Ergonomics for quick and easy access for retooling operations.
- Up to 16 live tools for milling ops.
- The best dual spindle Swiss machine in the world.
- Programmable parts handling and conveyor system.

**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.

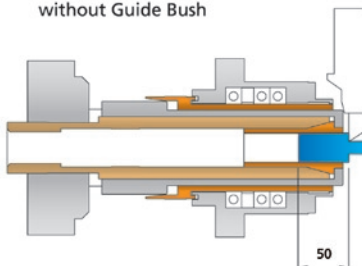
**Mitsubishi 700 CNC Control:** Fully loaded with options, including Graphic Cutting Display.



Using Live Bushing with Guide Bushing



Using Rough Material Bushing without Guide Bush



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

*"All I can say is: 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)."*

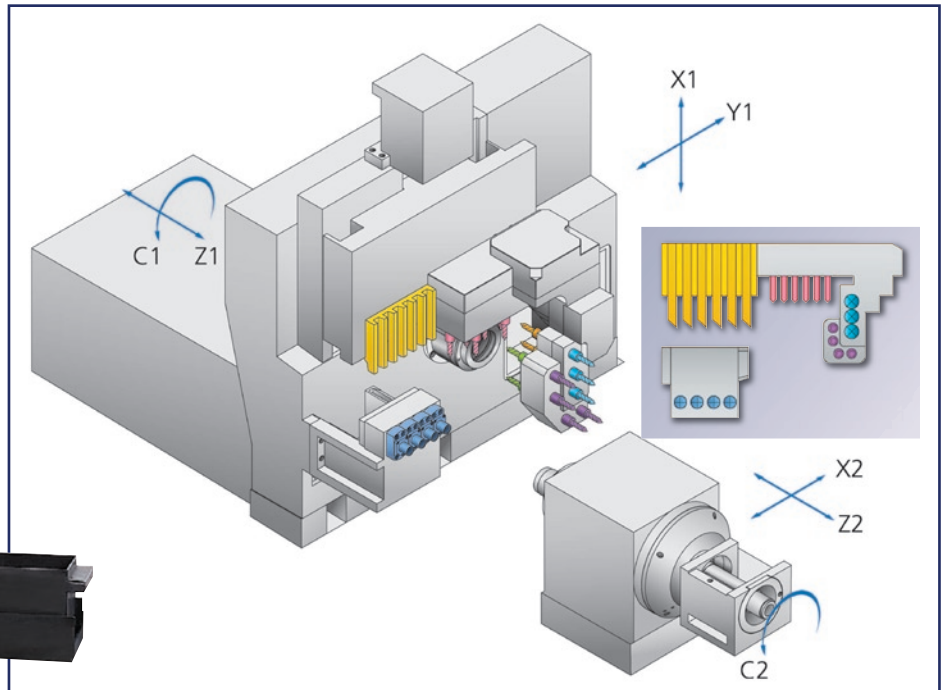
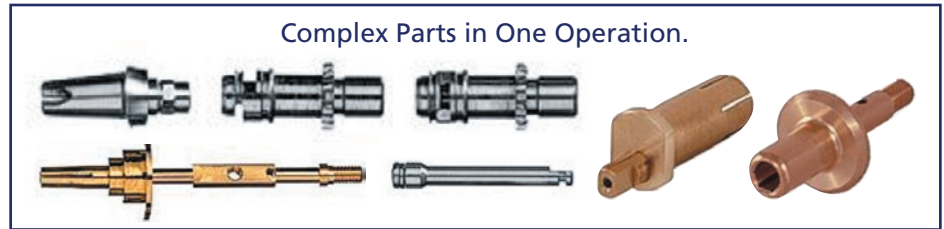
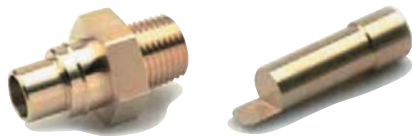
**Paul Ott - Owner - OTT Brothers Machine Co (KS)**

*"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)**

## STANDARD FEATURES:

- Clear-shift sub-spindle
- Main spindle with C-axis
- Back spindle with C-axis
- Chip conveyor and bucket
- Working light
- Coolant system
- Part-off detective sensor
- Fixed bushing (except 32mm models)
- Disc-brake on both main and sub-spindle
- Live bushing
- Programmable Parts Conveyor and Parts Catcher
- 6- O.D. Turning Tool Holders
- 4- I.D. Stationary Tool Holders
- 3- Front Working Driven Tool Holders
- 6- Cross Working Driven Tool Holders
- 3- Front Working Driven Tool Holders
- 4- Back I.D. Stationary Tool Holders
- 3- Back Working Driven Tool Holders
- 4- Back Working I.D. Stationary/Driven Tool Holders



## Standard Tooling Package:

- 6 pcs cross-working driven tool holder
- 3 pcs back-working driven tool holder
- 4 pcs back I.D. stationary/working driven tool holder
- 4 pcs I.D. stationary tool holder
- 4 pcs back I.D. stationary tool holder
- 3 pcs front-working driven tool holder
- 6 pcs O.D. turning tool holder