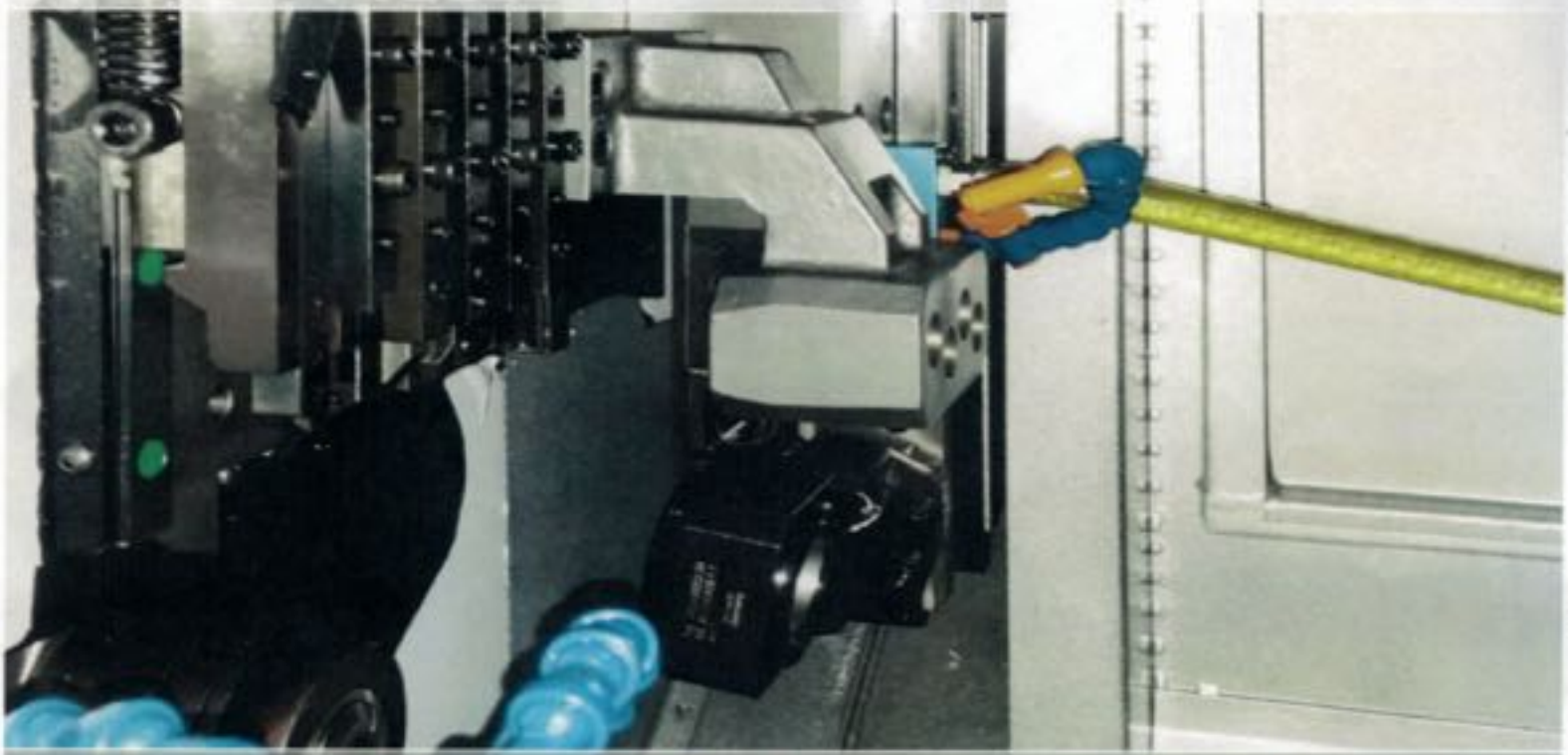
WIN WITH TECHNOLOGY

7-Axis Swiss Type Auto Lathe

PoLyGIM Kobra 12/16/20/25 SLY Series



Fully programmable C-axis on main and sub spindle
Up to 1" capacity available

- *Quick change-over from guide to non-guide bushing*
- *Clear-shift sub-spindle*
- *Up to 32 cutting tool capacity*
- *Up to 16 live tool capacity*
- *C-axis on main and sub-spindle*
- *Disc brakes on main and sub-spindle*

"We were looking at another Citizen (own Citizen now) and we saw the SwissTurn. 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.

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. The main performance benefits offered:

- Reduction of cycle times
- Great rigidity to allow machining of tough materials
- Load up to 32 cutting tools for machining of complex parts and reduce set-up times
- Ergonomics for quick and easy access for retooling operations
- Quick change-over from guide bushing to non-guide bushing

Short Remnant Material - With the optional Rough Material Bushing, the remnant material can be 50mm (depending on parts length).

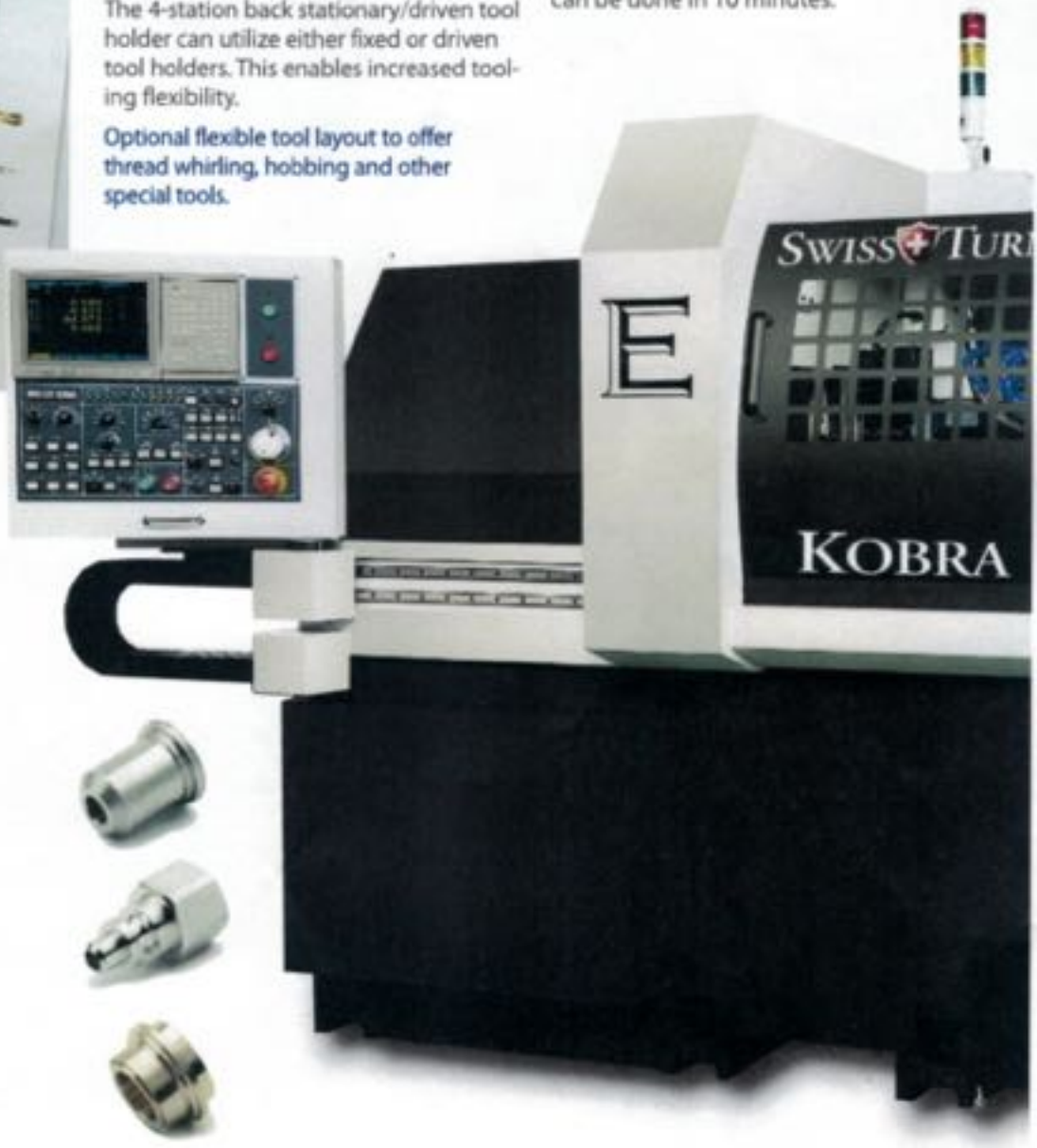
Replaceable Fixed/Driven Tool Holder Set - The 4-station back stationary/driven tool holder can utilize either fixed or driven tool holders. This enables increased tooling flexibility.

Optional flexible tool layout to offer thread whirling, hobbing and other special tools.

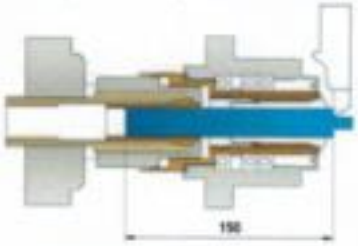
The superior design delivers extremely efficient and fast production of complex parts using live tools, and Y- and C-axes.

- Up to 16 live tools for milling ops.
- Programmable parts catcher and conveyor system.
- Optional deep hole drilling, up to "2 tools".
- Disc brakes and hydraulic clamping on main spindle and sub-spindle for rigid milling and cutting. (20 and 25 millimeter models only)

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 non-guide bushing can be done in 10 minutes.

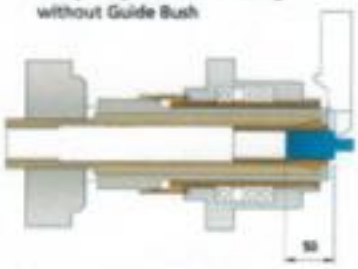


Using Live Bushing with Guide Bushing



Remnant Material 150 mm

Using Rough Material Bushing without Guide Bush



Remnant Material 50 mm

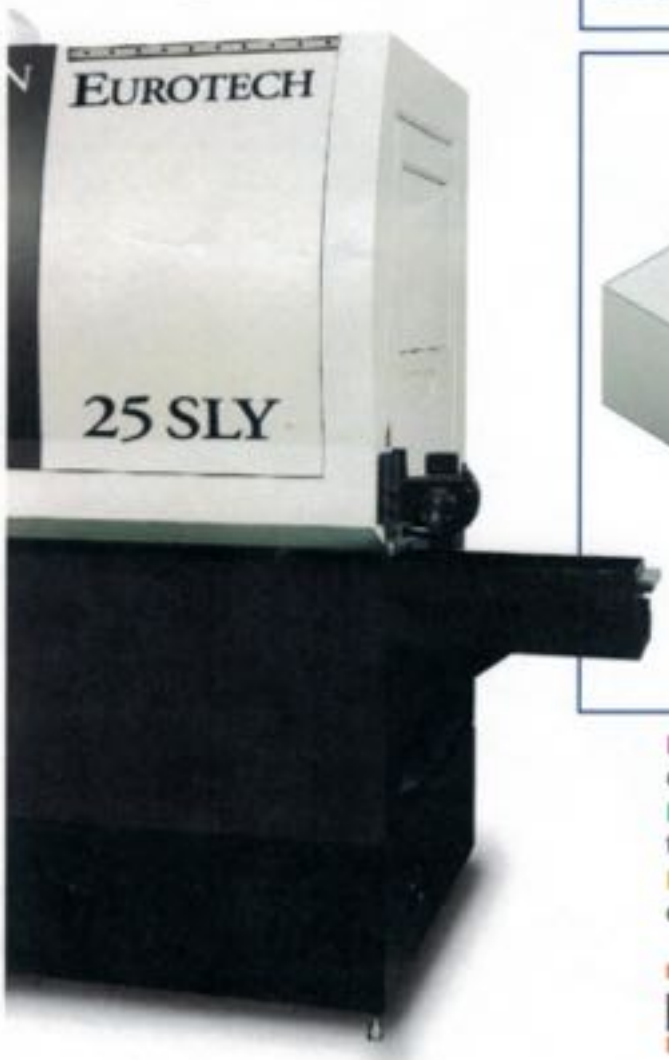
NO NEED TO BUY TOOL HOLDERS!
Over $20,000 in Options - plus many productive Machine features & equipment INCLUDED!

STANDARD FEATURES:

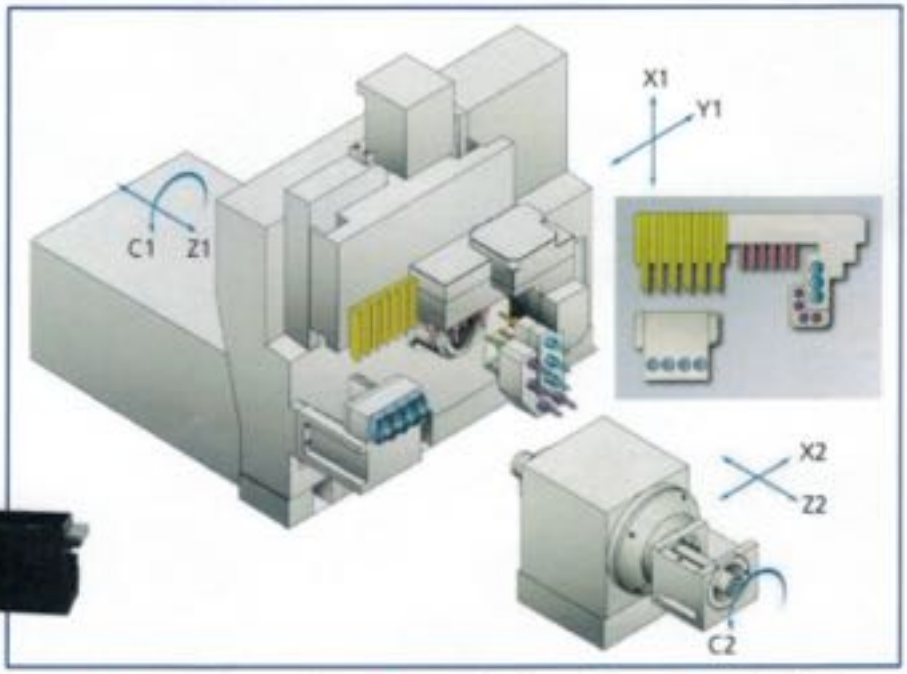
- Main spindle with C-axis
- Back spindle with C-axis
- Chip conveyor and bucket
- Part-off detective sensor
- Fixed bushing (except 32mm models)
- Live bushing
- Clear-shift sub-spindle
- Disc brakes on main spindle and sub-spindle
- Programmable Parts Conveyor
- Programmable Parts Catcher
- 6- O.D. Turning Tool Holders
- 4- I.D. Stationary 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

"Previously, all 12 parts were being made in 2-3 operations spread out over many different machines. We now manufacture them ALL in 1 operation on the Eurotech Polygim. Our quality greatly improved and we realized a cycle time improvement of over 44%!"

...said Ruben, Appleton Group, Mexico



Complex parts in one operation.



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

POLYGIM

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MACHINE SPECIFICATIONS

SwissTurn Kobra Series

Description	Item	12 SLY	16 SLY	20 SLY	25 SLY
Working Range	Max. Turning Dia.	12.7mm (.50")	16.5mm (.65")	20mm (.78")	26mm (1.02")
	Max. Machining Len. per chucking	200mm (7.87") 80mm with live bushing	200mm (7.87") 80mm with live bushing	225mm (8.86") 80mm with live bushing	225mm (8.86") 80mm with live bushing
	Max. Drilling Dia.	7mm	12mm	12mm	12mm
	Max. Tapping Dia.	M6	M10	M10	M10
OD Tooling	Number of Tools	6	6	6	6
	Dimension	12mmx12mmx120mm	12mmx12mmx120mm	12mmx12mmx120mm	12mmx12mmx120mm
ID Tooling	Number of Tools	4	4	4	4
	Dimension	ER16	ER16	ER16	ER16
Cross Working Driven Tooling	Number of Tools	6	6	6	6
	Dimension	ER16	ER16	ER16	ER16
	Speed	6,000 RPM	6,000 RPM	6,000 RPM	6,000 RPM
Front Working Driven Tooling	Number of Tools	3	3	3	3
	Dimension	ER16	ER16	ER16	ER16
	Speed	6,000 RPM	6,000 RPM	6,000 RPM	6,000 RPM
Back Working ID Tooling	Number of Tools	4 live or 4 static	4 live or 4 static	4 live or 4 static	4 live or 4 static
	Dimension	ER16	ER16	ER16	ER16
Back Working Driven Tooling	Number of Tools (Slide 1)	3	3	3	3
	Dimension (Slide 1)	ER11	ER11	ER11	ER11
	Number of Tools (Post 1)	4	4	4	4
	Dimension	ER16	ER16	ER16	ER16
	Speed	6,000 RPM (1:1)	6,000 RPM (1:1)	6,000 RPM (1:1)	6,000 RPM (1:1)
Main Spindle	Spindle Hole Diameter	13mm (.51")	17mm (.67")	22mm (.86")	30mm (.86")
	Spindle Speed	8,000 RPM	10,000 RPM	10,000 RPM	10,000 RPM
	Angular Movement	Full C-axis	Full C-axis	Full C-axis	Full C-axis
	Horsepower	3 HP	3 HP	3 HP	3 HP
Sub-spindle	Spindle Hole Diameter	13mm (.51")	17mm (.67")	22mm (.86")	30mm (.86")
	Spindle Speed	8,000 RPM	10,000 RPM	10,000 RPM	10,000 RPM
	Max. length for front ejection	150mm (5.90")	225mm (8.86")	225mm (8.86")	225mm (8.86")
	Angular Movement	Full C-axis	Full C-axis	Full C-axis	Full C-axis
	Horsepower	3 HP	3 HP	3 HP	3 HP
Rapid Traverse	X1, Y1, Z1, Z2	1,181 IPM | 30M/M	1,181 IPM	1,181 IPM	1,181 IPM
	X2	945 IPM | 24M/M	945 IPM	945 IPM	945 IPM

Specifications contained herein are approximate and subject to change without notice

rev: EUR-01-20-16

"We are amazed at the advanced technology Eurotech provides. The customer service before, during and after the purchase has been extraordinary!"

Wade Weiss,
Frank Weiss Racing Components (IN)

POLYGIM

EUROTECH
RUNS FASTER, SLEEPS LESS!

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