Up to 8-Axis Swiss Type Auto Lathe

Eurotech SwissTurn
Kobra 12/16/20/25 SLY and SLY-2 Series

Fully programmable C-axis on main and sub spindle
Up to 1" capacity and up to 2 Y-axes 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*
- *Up to 2 Y-axes*
- *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).

SLY model Replaceable Fixed/Driven Tool Holder Set - The 4-station back-working static or driven tool holder enables increased tooling flexibility on all SLY models.

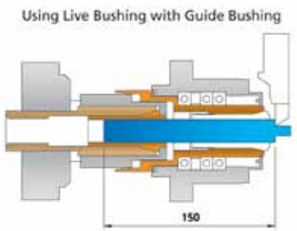
SLY-2 model Replaceable Fixed/Driven Tool Holder Set - The 8-station (4 static / 4 driven) back-working, Y-axis travel, tool holder enables maximum tooling flexibility on all SLY-2 models.

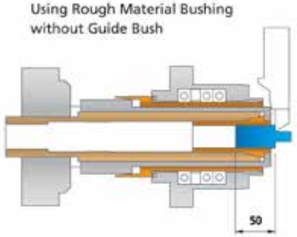
The superior design delivers extremely efficient and fast production of complex parts using live tools, and Y- and C-axes.

- Up to 16 live tools for milling ops.
- Up to 2 Y-axes for complex parts
- 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.

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





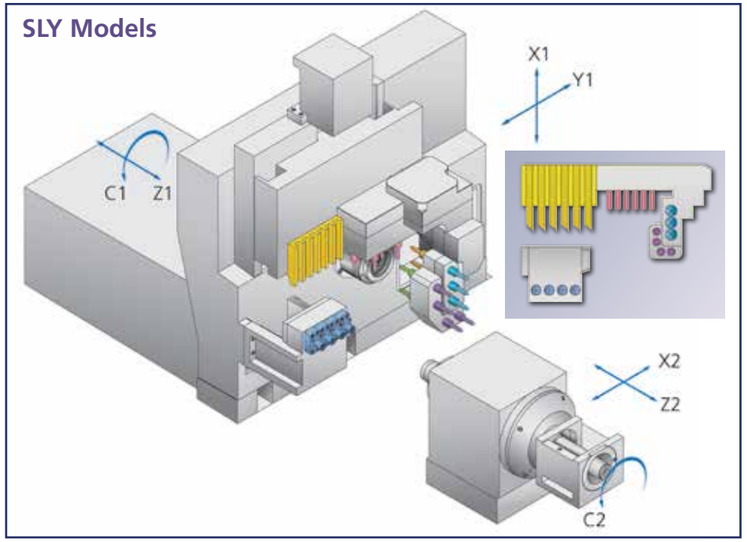
"Previously, all 12 parts were being made in 2-3 operations spread out over many different machines. We now manufacture them ALL in 1 operation on the Eurotech Polygim. Our quality greatly improved and we realized a cycle time improvement of over 44%!" ***...said Ruben, Appleton Group, Mexico***

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

STANDARD FEATURES:

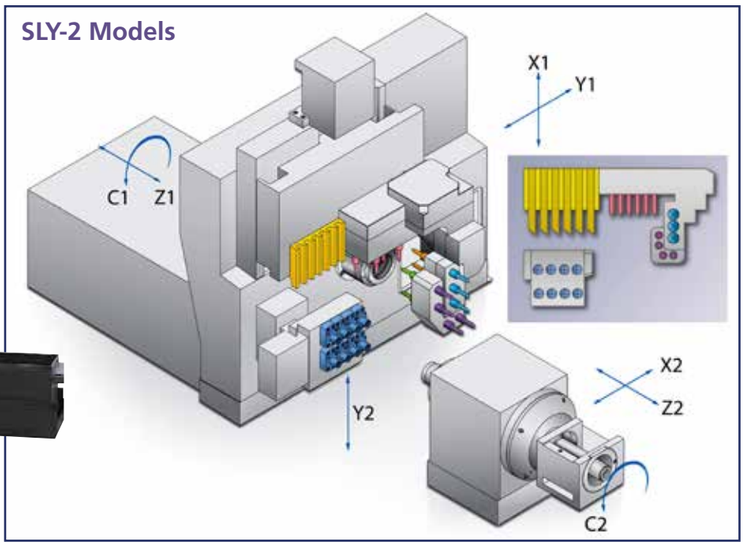
- Main spindle with C-axis
- Back spindle with C-axis
- Chip conveyor and bucket
- Part-off detective sensor
- Fixed bushing (except 32mm models)
- Live bushing
- Clear-shift sub-spindle
- Disc brakes on main spindle and sub-spindle
- Programmable Parts Conveyor
- Programmable Parts Catcher
- 6- O.D. 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 *(SLY models)*
- 8- Back Y-axis Travel I.D. (4 fixed / 4 live) Tool Holders (*SLY-2 models*)
- 3- Back Working Driven Tool Holders
- 4- Back Working I.D. Stationary/ Driven Tool Holders

SLY Models



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

SLY-2 Models



- 6 pcs cross-working driven tool holder
- 3 pcs front-working driven tool holder
- 4 pcs back I.D. stationary tool holder
- 8 pcs back I.D. Y-axis travel tool holder (4 driven/ 4 static)
- 4 pcs I.D. stationary tool holder
- 3 pcs back-working driven tool holder
- 6 pcs O.D. turning tool holder

SWISS TURN EUROTECH

MACHINE SPECIFICATIONS

SwissTurn Kobra Series

Description	Item	12 SLY - SLY-2**	16 SLY - SLY-2**	20 SLY - SLY-2**	25 SLY - SLY-2**
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
Stationary SLY ID Back Working Tooling	Number of Tools	4 Driven or 4 static	4 Driven or 4 static	4 Driven or 4 static	4 Driven or 4 static
	Dimension	ER16	ER16	ER16	ER16
Y-Axis SLY-2** Back Working Static and Driven Tooling	Number of Tools (Static)	4	4	4	4
	Dimension (Static)	ER11	ER11	ER11	ER11
	Number of Tools (Driven)	4	4	4	4
	Dimension (Driven)	ER16	ER16	ER16	ER16
	Speed (Driven)	6,000 RPM (1:1)	6,000 RPM (1:1)	6,000 RPM (1:1)	6,000 RPM (1:1)
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

Specifications contained herein are approximate and subject to change without notice

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"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)

SWISS TURN

EUROTECH
RUNS FASTER, SLEEPS LESS!

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