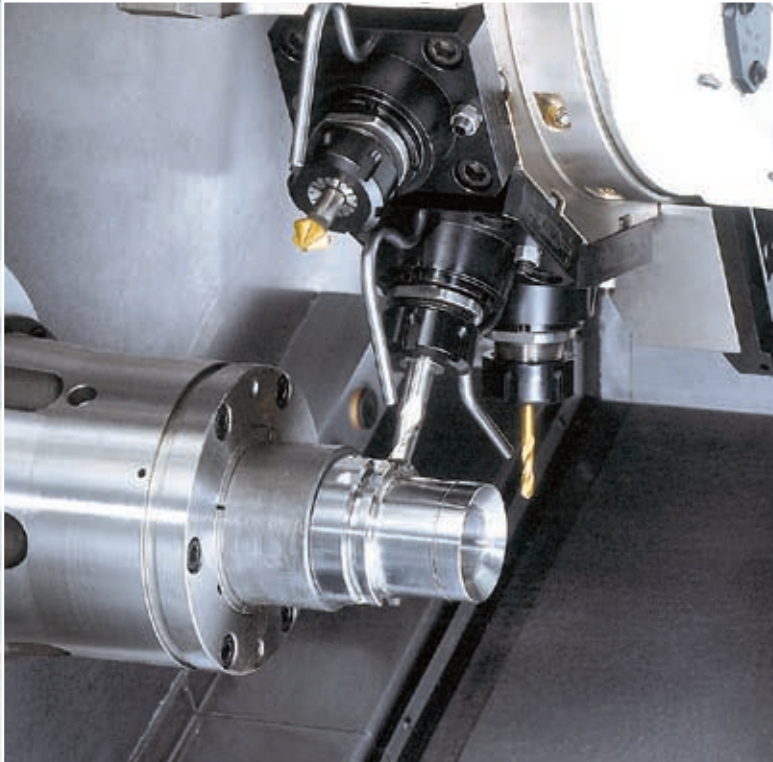


# Unattended Completion of Complex Parts in One Operation – Up to 6-Axis Turn/Mill Centers



"We didn't believe it until they proved it. We since have bought more Eurotechs - they are much faster than the big name generic brands."

*- Bob Coster,  
Nolte Precise*

"We looked at all the major brands of multi-axis machines. The Eurotechs had a much faster cycle time."

*- Dave Fricke,  
Owner, Millenium*

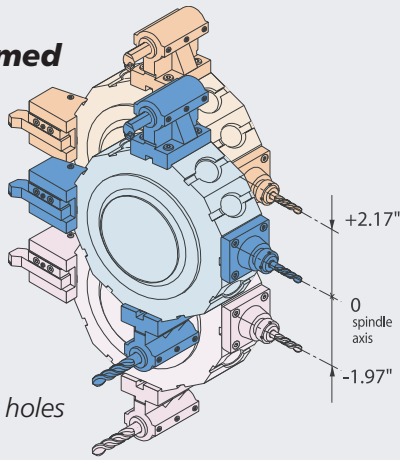
25% to 35% faster cycle times than traditional multi-axis turning centers providing unmatched ROI!

MODEL	Max Size Bar	Max Size Chuck
B545	1.77/2.0"	8"
735	2.56/2.76"	10"
835	3.15"	12"



## Operations performed with the Y-axis

- 1 Flat Milling in repeated cuts
- 2 Irregular slot milling (rough - finishing)
- 3 Key-way milling
- 4 Thread milling
- 5 Drilling and milling grid holes



## Y-AXIS: Accuracy and Flexibility in Turn-Milling

"With Eurotech's BS45 SLY, many parts went from 7 ops to 1 op! We not only reduced our operations, but we inspect a complete part 1 time instead of a partial part 7 times... Eurotech has gone above and beyond the call of duty. We are extremely pleased with the Eurotech product and team."

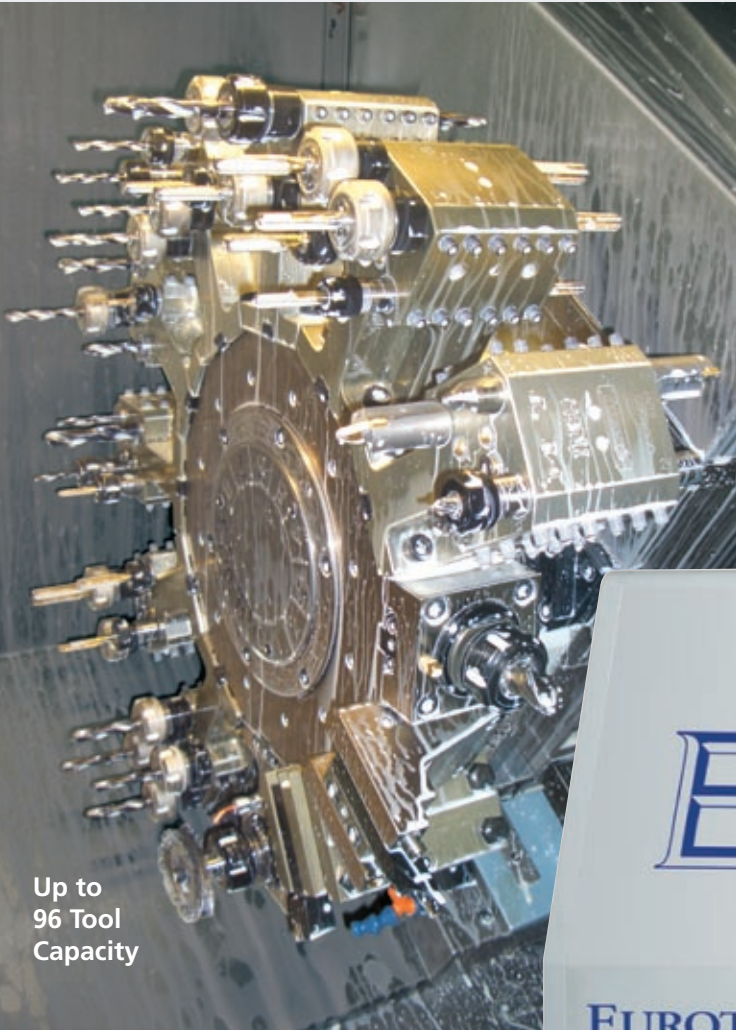
- Ken Sutton, Fabco-Air

## A SIGNIFICANT STEP FORWARD TO COMPLETE PROCESS INTEGRATION

With the Y-axis the 545/735/835 SLY becomes a complete turn-mill center combining the facilities of both a lathe and a 5-axis machining center (X, Z, Y, C, B) accomplishing off-center milling-drilling operations that are impossible to complete with C-axis only.

**Utilizing EGS tool system allows up to 96 tools - More Y-axis stroke than any machine in its class!**

- Complete complex parts in one operation
- Load redundant tools for unattended machining
- Eliminate set-up time



Up to 96 Tool Capacity



**SBS: EUROTECH SAFETY SOFTWARE TOOL LOAD MONITORING** - This system monitors the loading of the most heavily used tools: e.g. 1st OP. cutting tools, roughing tools, drills or U-drills. It ensures safe automatic machining with limited operator presence.



# Over \$60,000 in Options included - plus many Productive Machine Features

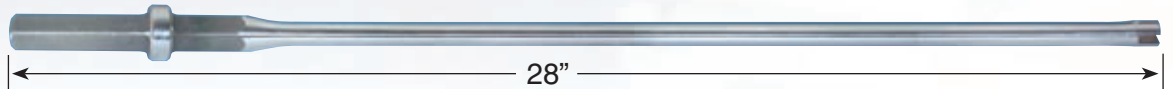
*"We compared Eurotech to all the other top brands and with all the features Eurotech delivers it was no comparison; Eurotech far surpasses any machine out there. We now have 4 Eurotechs."*

*- Chris Provini, Festo*

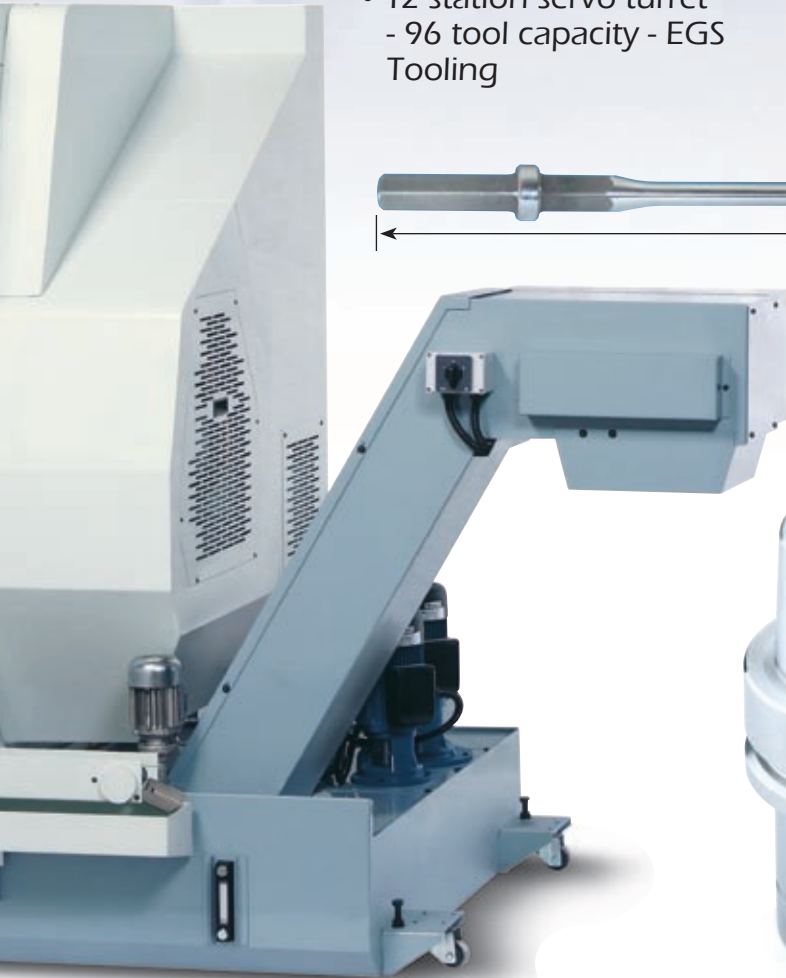
## INCLUDED STANDARD FEATURES

- Fanuc 32i-T Series Control
- Color Graphics Screen with 10.4" Color LCD
- Full Keypad with Custom Touch Keys
- Macro A & Macro B
- RS232/PCMCIA Interface/Ethernet
- Extra Memory
- G54 - G59
- G80 - G89
- Eurotech's EASY CYCLES
- Disc Brake on Main and Sub-spindles
- High-Pressure Coolant
- Rigid Tapping on Main and Sub-spindle
- Tool Life management
- Air Purge on Main and Sub-spindle
- SBS Tool Load Monitoring
- G10 Programmable Input
- Chip Conveyor
- Parts Catcher
- Parts Conveyor
- Automatic Tool Probe
- Barfeed Interface
- Live Tooling Package
- Standard Tooling
- Collet Systems
- Heidenhain Scales on X and both C axes
- Air-Conditioned Electronics
- B-Axis Stress Control on Sub-spindle
- Polygonal Turning
- Unexpected Disturbance Detection (Airbag)
- Servo Turret Set-up Assistance
- Sub-spindle Eject with Air-Blast and Confirmation

- 12 station servo turret  
- 96 tool capacity - EGS Tooling



- Driven tools from 2,000 to 60,000 RPM available.



- Up to 96 cutting tools.
- Up to 24 live tools.
- Virtually zero chip-to-chip tool change time.
- Complete parts in one-op. and eliminate handling, fixturing, inspections and wasted floor space.

"I can't say enough about our (5) Eurotech machine's! These machines are great not to mention dependable. Our relationship with the service department is bar none!"

- Les Richards, Custom Mold

# Technical Specifications

MACHINE MODEL		B545SLY	735SLY	835SLY
<b>MACHINING CAPACITY</b>				
Bar capacity - std./opt.	in.	1.77/2.0	2.56/2.76	3.15
Max. machining diameter	in.	12.60	12.60	12.60
Max. swing	in.	22.83	22.83	22.83
<b>MAIN SPINDLE</b>				
Max. speed	rpm	5000	4000	3200
Spindle nose	ASA	5"	6"	8"
Spindle bore - std./opt.	in.	2.17	3.15	3.41
Max chuck diameter	in.	8	10	12
Motor power	hp	20	35	35
<b>SUB-SPINDLE</b>				
Max. speed	rpm	5000	5000	5000
Spindle nose	ASA	5"	5"	5"
Spindle bore	in.	2.17	2.17	2.17
Drawtube inside diameter	in.	1.77	1.77	1.77
Max chuck diameter	in.	6/8	6/8	6/8
Motor power	hp	15	15	15
<b>TURRET</b>				
Max no. of cutting tools		96	96	96
No. of turret stations		12	12	12
Turret indexing time (1 pos)	sec	0.15	0.15	0.15
<b>LIVE TOOLING</b>				
Max. no. of live tools		24	24	24
Max. speed - std./opt.	rpm	4000/60,000	4000/60,000	4000/60,000
Motor power - 30 min. rating (geared)	hp	5	5	5
<b>C-AXIS</b>				
Min. programmable value	deg.	0.001	0.001	0.001
Max. rapid tranverse	ips	100	100	100
<b>AXES</b>				
X-axis stroke	in.	8.07	8.07	8.07
Z-axis stroke	in.	22	22	22
Y-axis stroke	in.	+2.17/-1.97	+2.17/-1.97	+2.17/-1.97
B-axis stroke	in.	20.08	20.08	20.08
X-axis rapid traverse	ipm	787	787	787
Z-axis rapid traverse	ipm	945	945	945
Y-axis rapid traverse	ipm	236	236	236
B-axis rapid traverse	ipm	1181	1181	1181
<b>B-AXIS TAILSTOCK IN LIEU OF SUB-SPINDLE</b>				
Morse taper	MT.	5/4	5/4	5/4
B-axis stroke	in.	19.29	19.29	19.29
B-axis rapid traverse	ipm	591	591	591
<b>COOLING SYSTEM</b>				
Tank capacity	gal.	66	66	66
Pump nominal displacement	gal./min.	61	61	61
<b>DIMENSIONS &amp; WEIGHT</b>				
Machine with chip conveyor	in.	156 x 77 x 87 h	156 x 77 x 87 h	156 x 77 x 87 h
Spindle center height	in.	39.4	39.4	39.4
Machine weight with chip conveyor	lb.	10582	10782	10982

Specifications subject to change without notice



"You have one hour until the lubricant on the B545-SLY runs out"

"Not only is the Eurotech faster than the competition, its technology allows us to truly run 'lights out' and that's worth even more..."

Jeff Roth - Owner, Chasco

## OPTIONAL: EUROTECH'S UNATTENDED ENHANCED PACKAGE

- High pressure coolant and filtration system with 1000 psi
- Mist-smoke extractor
- ANT - Alarm Notification Telephone system
- Parts accumulator
- Sub-spindle coolant thru/air
- Includes installation and testing.



"Since investing in a Eurotech almost 2 years ago we have witnessed a time savings of over 15% in our shop! We can't say enough about the flexibility and speed of the Eurotech not to mention that we were able to eliminate operations handling and inspections."

Michael Digangi - Pitney Bowes

## OPTIONAL: EUROTECH'S ULTIMATE PRECISION PACKAGE

- Cutting fluid chiller system
- Five decimal place offsets: .00001 (1 micron option)
- Scales on Z and Y axes (Scales on X-axis & C-axis are standard).
- Includes installation and testing.

### Available Models:

- e** - Servo Tailstock
- Le** - Rotary tools, C-axis and Servo Tailstock
- Se** - Sub-spindle
- SLe** - Rotary tools, C-axis Main/Sub-spindle and Sub-spindle
- LY** - Rotary tools, C-axis, Y-axis and Servo Tailstock
- Sly** - Rotary tools, C-axis Main/Sub-spindle, Y-axis and Sub-spindle

"We are amazed at how fast the machine is! Not only do we love our Eurotechs but the customer service is positively 'top flight' and second to none... When it came time to purchase our second machine there was no second thought, we chose Eurotech. We are elated with the performance!"

- Larry Ostendorf, GLD



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