



Precision Built Solutions™

ET-XL SERIES OPTIONS

OPT-2107	FLOOD COOLANT SYSTEM Includes high volume pump and adjustable nozzles.
OPT-2120	ABRASIVE MATERIAL PROTECTION PACKAGE This package includes one piece-sealed way covers that protect the ways from abrasive contaminates. Also includes sealed electrical cabinet with a high efficiency heat exchanger.
OPT-9233	ELECTRICAL CABINET AIR CONDITIONER Replaces standard fan vented cabinet with a sealed cabinet. Air conditioning unit keeps inside temperature at the desired set temperature regardless of what the outside temperature is. Recommended for area where ambient temperature exceeds 100 degrees Fahrenheit. FULL MACHINE GUARDING - The standard machine features 2 doors and a full rear guard. The full guard option encloses the tailstock end and may include additional door to completely seal the machine work area. Normally used for abrasive material cutting and grinding applications.
OPT-2122	FULL MACHINE GUARDING This package includes full wrap around guarding to completely enclose the machine. Long bed length machines include additional doors.

OPTIONAL TRAVELS & SPINDLE BORES

OPT-3475	80" CENTER DISTANCE (ET-XL)
OPT-3477	120" CENTER DISTANCE (ET-XL)
OPT-3479	160" CENTER DISTANCE (ET-XL)
OPT-3481	200" CENTER DISTANCE (ET-XL)
OPT-3483	240" CENTER DISTANCE (ET-XL)
OPT-3485	280" CENTER DISTANCE (ET-XL)
OPT-3486	340" CENTER DISTANCE (ET-XL)
OPT-3072	9" BIG BORE OPTION Includes: 9.05" spindle bore and A2-15 spindle nose. Max speed 600 RPM
OPT-3075	10" BIG BORE OPTION Includes: 10.0" spindle bore and A2-15 spindle nose. Max speed 500 RPM
OPT-3054	12" BIG BORE OPTION Includes: 12.05" spindle bore and A2-20 spindle nose. Max speed 375 RPM
OPT-3074	16" BIG BORE OPTION Includes: 16.14" spindle bore and A2-28 spindle nose. Max speed 250 RPM
OPT-3075	20" BIG BORE OPTION Includes: 20.1 spindle bore and A2-28 spindle nose. Max speed 200 RPM
OPT-3313	HIGH TORQUE 75 HP (peak) SPINDLE MOTOR UPGRADE

TOOLPOSTS & TURRETS

OPT-3015	DORIAN SUPERQUICK #50 TOOL POST (1.25" TOOLING) Includes: 5 Piece Tool Holder Set, Riser Block, and Installation
OPT-3056	DORIAN SUPERQUICK #60 TOOL POST (1.5" TOOLING) Includes: 5 Piece Tool Holder Set, Riser Block, and Installation
OPT-8004	TOOLPOST RISER BLOCK FOR ADD-ON TOOLPOST (ET-XL)
OPT-3041	4 POSITION ELECTRONIC TOOLPOST (ET-XL) Electric driven, 1.25" tooling.
OPT-3011	8 STATION BI-DIRECTIONAL AUTOMATIC TURRET (1.25" Tooling) Turret includes 3 boring blocks with 2" bore and 1 facing block. Includes flood coolant thru turret. Note: Large faceplate used on this turret will reduce available swing. Contact factory.

OPT-3068	12 STATION BI-DIRECTIONAL AUTOMATIC TURRET (1.25" Tooling) Turret includes 3 boring blocks with 2" bore and 1 facing block. Includes flood coolant thru turret. Note: Large faceplate used on this turret will reduce available swing. Contact factory.
OPT-3460	HEAVY DUTY CROSS SLIDE MOUNTED BORING BAR BLOCK 130mm diameter bar capacity
OPT-3076	HEAVY DUTY BORING BAR TRAILER Separate carriage follows machine carriage and features cross slide with linear ways. Boring bar is first mounted to above listed boring bar block, then the rear part of boring bar attached to trailer. Provides incredible rigidity for bar up to 100" length; 130mm diameter boring bar capacity.
OPT-3455	BORING BLOCK FOR TURRET (2" hole)
OPT-3456	FACING BLOCK FOR TURRET
OPT-3534	150 PSI COOLANT THRU TURRET SYSTEM High pressure thru turret coolant system. Includes high volume / high pressure pump and 10-micron replaceable filter.

LIVE TOOL TURRETS & HOLDERS

The Live Tool Turret package includes a 10 HP live tool spindle motor with rigid tap and a surface transformation feature. This feature provides full milling cycles such as pocketing and contouring to be easily programmed using the conversational menus. These turrets will accept live tooling at any station.

OPT-3406	8 STATION BI-DIRECTIONAL LIVE TOOL AUTOMATIC TURRET VDI-40, BMT-45
OPT-3070	Y AXIS LIVE TOOL 8 STATION AUTOMATIC TURRET BMT-45
OPT-0229	C' AXIS CONTOURING AND INDEXING SPINDLE The 'C' Axis package includes a high torque digital spindle motor and locking disk brake. Heidenhain rotary scale ensures accuracy. Gearbox is maintained for high torque at low speeds.
OPT-0236	C' AXIS CONTOURING AND INDEXING SPINDLE (9" BORE)
OPT-0238	C' AXIS CONTOURING AND INDEXING SPINDLE (10" BORE)
OPT-0242	C' AXIS CONTOURING AND INDEXING SPINDLE (12" BORE)
OPT-0237	C' AXIS CONTOURING AND INDEXING SPINDLE (16" BORE)
OPT-0239	C' AXIS CONTOURING AND INDEXING SPINDLE (20" BORE)
OPT-8046	LIVE TOOL AXIAL HOLDER VDI-40, BMT-55
OPT-8047	LIVE TOOL RADIAL HOLDER VDI-40, BMT-55
	STATIC TOOL HOLDERS VDI-40 OR BMT-55

CHIP CONVEYORS

Rear mounted belt type chip conveyor exits outside by tailstock. 40" discharge height clears standard 55-gallon drum.

OPT-3487	CHIP CONVEYOR (ET-XL) 60" CENTERS
OPT-3489	CHIP CONVEYOR (ET-XL) 80" CENTERS
OPT-3491	CHIP CONVEYOR (ET-XL) 120" CENTERS
OPT-3492	CHIP CONVEYOR (ET-XL) 160" CENTERS
OPT-3493	CHIP CONVEYOR (ET-XL) 200" CENTERS
OPT-3494	CHIP CONVEYOR (ET-XL) 240" CENTERS
OPT-3495	CHIP CONVEYOR (ET-XL) 280" CENTERS

STEADY & FOLLOW RESTS

OPT-3076	STEADY REST ROLLER TYPE 5"-12" CAPACITY (ET-XL)
OPT-3078	STEADY REST ROLLER TYPE 12"-24" CAPACITY (ET-XL)

OPT-3080	STEADY REST HEAVY LOAD 2 ROLLER TYPE 16"-31" CAPACITY (ET-XL)
OPT-3081	STEADY REST HEAVY LOAD 2 ROLLER TYPE 24"-40" CAPACITY (ET-XL)
OPT-3082	FOLLOWING REST BRONZE TYPE 3"-14" CAPACITY (ET-XL)

HYDRAULIC STEADY RESTS

OPT-3094	SLU-3.2 Range: 1.968"-7.874"
OPT-3097	SLU-5.1 Range: 3.346"-13.780"
OPT-3098	K-6.1 Range: 8.465"-20.078"

MANUAL CHUCKS

OPT-3230	DIRECT MOUNT 32" MANUAL 3 JAW CHUCK	A2-15 Spindle; 12.60" Thru Hole
POR	25" MANUAL 4 JAW CHUCK	Multiple bore sizes
POR	32" MANUAL 4 JAW CHUCK	Multiple bore sizes
POR	40" MANUAL 4 JAW CHUCK	Multiple bore sizes
POR	50" MANUAL 4 JAW CHUCK	Multiple bore sizes
POR	65" MANUAL 4 JAW CHUCK	Multiple bore sizes
POR	80" MANUAL 4 JAW CHUCK	Multiple bore sizes
POR	ADJUST TRU MANUAL 3 JAW CHUCKS AVAILABLE	
POR	REAR MOUNTED CHUCK FOR XL SERIES	Multiple sizes and bores available
POR	ADAPTOR PLATE FOR REAR MOUNTED CHUCK	Multiple sizes and bores available
POR	4 JAW, 6 JAW AND SPECIAL CHUCKS AVAILABLE	
POR	SPINDLE FACE-PLATES	Multiple sizes available

HYDRAULIC CHUCKS (PROGRAMMABLE WITH FOOT PEDAL)

POR	HYDRAULIC 20" 3 JAW CHUCK	Multiple sizes available
POR	HYDRAULIC 30" 3 JAW CHUCK	Multiple sizes available
POR	HYDRAULIC 40" 3 JAW CHUCK	Multiple sizes available
POR	HYDRAULIC 50" 3 JAW CHUCK	Multiple sizes available

CONTROL OPTIONS - FRYER / SIEMENS 828-HS

OPT-2146	HANDWHEEL RUN FUNCTION	This feature allows you to control your program execution with the electronic handwheel. Turning the handwheel causes the program to run, with you controlling the feedrate. You can move forwards and even backwards with this handy feature. Designed to make proving-out programs easier with safety and confidence.
OPT-0602	REMOTE ELECTRONIC HANDWHEEL	Handy jog handwheel is located in a portable box with a coiled cord. Features axis selector switch and a resolution selector for coarse or fine movement. Remote stop start is also included.
OPT-2147	DXF FILE IMPORT FEATURE	Allows you to import DXF files and quickly convert to a conversational program. Automatically create points for drilling operations or contours for milling.
OPT-4133	IN-PROCESS PART PROBE MEASUREMENT CYCLES	This feature allows you to measure part features during program execution. Can also be used in MDI mode after cutting the part to then measure certain features and display the measurement
OPT-9104	HIGH SPEED NETWORK INTERFACE	High speed Ethernet port is the ideal way to connect your machine to your LAN (local area network). Features 10/100 MB/s bandwidth for fast uploads and downloads of part programs. Also features a drip feed option that allows you to run part programs larger than the memory of the machine.

OPT-2140	REMOTE MONITORING Allows monitoring of the CNC from any remote location where internet access is available. Check cycle times, spindle load, feedrate override position, program being run and more. (Requires network interface option)
OPT-2151	EXPANDED MEMORY 100 MB Standard memory of 6 MB is increased to 100 MB for handling larger CAM programs.
OPT-2163	RESIDUAL MATERIAL DETECTION This software option allows re-machining of pocket milling contours with a tool smaller than the original tool. The control will remember where material has already been machined and will cut only the residual material.
OPT-2156	EXTENDED OPERATOR FUNCTIONS Includes additional part probing cycles, teach function, the ability to save tool data and tool offset data, save MDI programs and other features
OPT-2100	SIEMENS OFFLINE PROGRAMMING SOFTWARE Easy-to-use software package that installs on a standard desktop PC and duplicates the control functions. Allows full programming and part program verification. Single package for lathe and mill. Windows 7-10 compatible.
OPT-2144	FRYER - SIEMENS TOUCH 2400 CNC CONTROL UPGRADE The 2400 CNC is based on the powerful Siemens Sinumerik One platform. This control features a 19" touch screen display, 5 axis simultaneously expandable and advanced operator functions. Includes Handwheel Run and Run Verify features as well as Probe Cycles. Software options for this control are slightly different than the 828-HS control, contact the factory for additional information on these options.
OPT-9200	SPARE "M" FUNCTION Use to connect remote devices like indexers, shuttles, clamps, etc.

CONTROL OPTIONS - FANUC 0i PLUS

OPT-0202	FANUC 0i TF PLUS CNC
STD	USB PORT FOR MEMORY STICK DEVICES
OPT-0218	2 MB PROGRAM STORAGE MEMORY
OPT-0222	WORK OFFSETS – 8 PAIR STANDARD
OPT-0217	HANDWHEEL RUN FUNCTION This feature allows you to control your program execution with the electronic handwheel. Turning the handwheel causes the program to run, with you controlling the feedrate. You can move forwards and even backwards with this handy feature. Designed to make proving-out programs easier with safety and confidence.
OPT-0213	MANUAL GUIDE I CONVERSATIONAL PROGRAMMING - Powerful Manual Guide i guides you through complex programming at the machine without having to remember G codes. Includes 3D solid model verification feature.
OPT-0215	FAST DATA SERVER - 2 GB part storage, unlimited file size using drip feed buffer, FTP server capable.
OPT-0214	HIGH SPEED NETWORK INTERFACE High speed Ethernet port is the ideal way to connect your machine to your LAN (local area network). Features 10/100 MB/s bandwidth for fast uploads and downloads of part programs. Also features a drip feed option that allows you to run part programs larger than the memory of the machine.
OPT-0212	REMOTE ELECTRONIC HANDWHEEL Handy jog handwheel is located in a portable box with coiled cord. Features axis selector switch and a resolution selector for coarse or fine movement. Remote stop start is also included.
OPT-0221	TEACH MODE Allows you to record manual positions using the handwheels to create a program

PROBES

OPT-3509	MARPOSS PART PROBE SYSTEM Wireless lathe part probe installs in turret for automatic measurement of part features. Requires Siemens In-process probe cycle option.
POR	MARPOSS AUTOMATIC TOOL PRE-SETTER Motorized arm type pre-setter swings into position for automatically setting length and diameter offsets. Price on request due to chuck diameter selected.

TOOLING PACKAGES

OPT-3332	LATHE TOOLING PACKAGE (1.25") (1) 80° Diamond Holder, (10) Inserts, (1) 55° Diamond Holder, (10) Inserts, (1) 35° Diamond Holder, (10) Inserts, (1) OD Threading Holder, (10) Threading Inserts, (1) ID Threading Holder, (10) Threading Inserts, (1) Trigon Tool Holder, (10) Inserts, (1) Boring Bar, (10) Inserts, (1) Boring Bar, (10) Inserts, (1) Cut off Tool, (1) Cut Off Tool Block, (2) Cut Off Blade, (10) inserts Straight, (10) inserts Radius, (10) Inserts, (1) Insert Extractor (Boring bar adapter sleeves not included.)
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OPT-3331 **LATHE TOOLING PACKAGE (1.5")** (1) 80° Diamond Holder, (10) Inserts, (1) 55° Diamond Holder, (10) Inserts, (1) 35° Diamond Holder, (10) Inserts, (1) OD Threading Holder, (10) Threading Inserts, (1) ID Threading Holder, (10) Threading Inserts, (1) Trigon Tool Holder, (10) Inserts, (1) Boring Bar, (10) Inserts, (1) Boring Bar, (10) Inserts, (1) Cut off Tool, (1) Cut Off Tool Block, (2) Cut Off Blade, (10) inserts Straight, (10) inserts Radius, (10) Inserts, (1) Insert Extractor (Boring bar adapter sleeves not included.)

FACTORY SERVICES

OPT-9098 **FACTORY SET-UP & TRAINING SPECIALTY & LARGE MACHINES - LATHE**

OPT-9998 **TRAINING ONLY -- 1 DAY** Expenses and travel time additional.

OPT-8999 **RUN-OFF AT FACTORY**

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