OPT-2107  FLOOD COOLANT SYSTEM Includes high volume pump and adjustable nozzles. Includes coolant to toolpost or turret.

OPT-2170  ET-16 TAILSTOCK Precision made tailstock features 5.0" travel quill with MT-5 taper.

OPT-2120  ABRASIVE MATERIAL PROTECTION PACKAGE Includes one-piece sealed way covers that protect the ways from abrasive contaminants. Also includes sealed electrical cabinet with a high efficiency heat exchanger.

OPT-2133  FULL MACHINE GUARDING - 40" CENTERS This package includes full wrap around guarding to completely enclose the machine. Long bed length machines include two doors.

OPT-2134  FULL MACHINE GUARDING - 60" CENTERS This package includes full wrap around guarding to completely enclose the machine. Long bed length machines include two doors.

OPT-2136  FULL MACHINE GUARDING - 80" CENTERS This package includes full wrap around guarding to completely enclose the machine. Long bed length machines include three doors.

OPT-2137  FULL MACHINE GUARDING - 120" CENTERS This package includes full wrap around guarding to completely enclose the machine. Long bed length machines include additional doors.

OPTIONAL TRAVELS & SPINDLE BORES

OPT-3013  40" CENTER DISTANCE (ET-21,25)

OPT-3012  60" CENTER DISTANCE (ET-16,18)

OPT-3055  80" CENTER DISTANCE (ET-21,25)

OPT-3057  120" CENTER DISTANCE (ET-21,25)

OPT-3018  BIG BORE OPTION #1 (ET-18) Includes: 3.40" spindle bore, D1-8 2 speed headstock and 15 HP (peak) motor.

OPT-3060  BIG BORE OPTION #2 (ET-21/25) Includes: 4.01" spindle bore, A2-11 2 speed headstock and 15 HP (peak) motor, maximum 1500 RPM. Requires 380-500 VAC or OPT-3301 Special Transformer listed below.

CHIP CONVEYORS

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

OPT-3038  CHIP CONVEYOR 40" and 60" CENTERS

OPT-3040  CHIP CONVEYOR 80" and 120" CENTERS

TOOLPOSTS & TURRETS

OPT-3001  DORIAN SUPERQUICK #40 TOOL POST (1" TOOLING - ET-16 - 25) Includes: 5 Piece Tool Holder Set, Riser Block, and Installation

OPT-3005  TOOLPOST RISER BLOCK FOR ADD-ON TOOLPOST (ET-16-25)

OPT-3004  4 POSITION ELECTRONIC TOOLPOST (ET-21, 25, 30, 40) Electric driven, 1" tooling

OPT-3008  8 STATION BI-DIRECTIONAL AUTOMATIC TURRET (3/4" TOOLING - ET-16/18) Turret includes 3 boring blocks with 1.25" bore and 1 facing block. Also includes flood coolant thru turret.

OPT-3010  8 STATION BI-DIRECTIONAL AUTOMATIC TURRET (1.0" TOOLING- ET-21/25) Turret includes 3 boring blocks with 1.5" bore and 1 facing block. Also includes flood coolant thru turret.

OPT-3451  BORING BLOCK FOR 3/4" TURRET (1-1/4" hole)
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.

STEADY & FOLLOW RESTS

MANUAL CHUCKS

HYDRAULIC CHUCKS (PROGRAMMABLE WITH FOOT PEDAL)
OPT-3214 HYDRAULIC 12" 3 JAW CHUCK (ET-21/25) 2.56" BAR CAPACITY

OPT-3350 HYDRAULIC 15" 3 JAW CHUCK (ET-21/25) 2.56" BAR CAPACITY

OPT-3050 HYDRAULIC ACTUATED TAILSTOCK Requires hydraulic chuck or steady rest option.

**COLLET CHUCKS**

OPT-3220 5C PNEUMATIC COLLET CHUCK (ET-16/18) .062 – 1.125" BAR CAPACITY

OPT-3222 5C PNEUMATIC COLLET CHUCK (ET-21/25) .062 – 1.125" BAR CAPACITY

**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-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-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 SIEMENS TOUCH 2300 CNC CONTROL UPGRADE The 2300 CNC is based on the powerful Siemens 840D platform. This control features a 19" touch screen display, 5 axis 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.

OPT-9200 SPARE “M” FUNCTION Use to connect remote devices like indexers, shuttles, clamps, etc.

**CONTROL OPTIONS - FANUC 0i TF**

OPT-0202 FANUC 0i TF CNC

STD USB PORT FOR MEMORY STICK DEVICES

OPT-0214 HIGH SPEED ETHERNET NETWORK PORT (100 MB/SEC)

OPT-0212 REMOTE ELECTRONIC HANDWHEEL WITH AXIS AND RESOLUTION SELECT

OPT-0218 2 MB PROGRAM STORAGE MEMORY UPGRADE (512K STANDARD)

OPT-0222 WORK OFFSETS – 48 PAIR STANDARD

POR FANUC SPECIAL OPTIONS Fryer offers all Fanuc available options. Many of these options offer special features and performance and should be discussed with the factory.

**TOOLING PACKAGES**
LATHE TOOLING PACKAGE (3/4")  
(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.)

LATHE TOOLING PACKAGE (1")  
(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-9000 FACTORY SET-UP & TRAINING AT YOUR FACILITY  3 Days Contiguous US only; includes travel expenses.

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

ELECTRICAL OPTIONS

OPT-3308 380-500 VAC 3 PHASE POWER (208-250 VAC standard)  Specify required voltage at time of order.

OPT-3301 SPECIAL TRANSFORMER FOR BIG BORE OPTION #2 UPGRADE  This item is needed for shops that only have 208-250 VAC power.

OPT-3310 208-250 VAC SINGLE PHASE POWER