

CNC Electrochemical Surface Grinder

featured with GE Fanuc Series 0i-MA CNC Control

World Class ECG Technology

Burr-Free Production
Low Cutting Force
free of heat stress
No Heat Affected Zone
No Work Hardening
No Recast Layer
No Metallurgical Damage
Faster than EDM

Grind today's toughest materials
independent of hardness or strength
Form grind complex geometry
Grind materials harder than Rc 65
Grind fragile workpieces
Grind thin wall workpieces
Grind thermosensitive materials
Grind—Form—Slot—Cutoff

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Model EG 818C

CNC Electrochemical Surface Grinder

Table

Work Surface: (8" x 18")
Table Travel (X): (21")
Crossfeed Travel (Z): (6-1/2")
Feed Rate: (0.1—400 Inches /Minute)
Rapid Traverse: (400 Inches/Minute)
Axes Drives: Preloaded Servo Driven Ball Screws

Wheelhead

Center of Spindle to Work Surface: 3.125" - 15.625"

Spindle

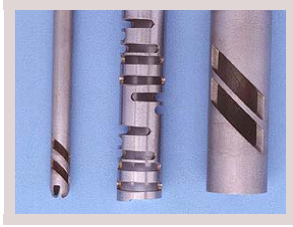
Variable Speed Motor - (5 HP)

CNC Control

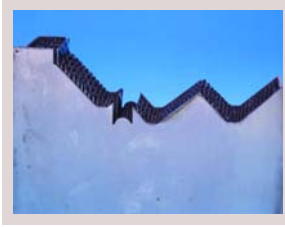
Pendant Mounted with Full Key and (8.4") Color LCD
(store up to 200 programs)
G Code Programming
Linear, Circular and Helical Interpolation
Background Editing
Inch / Metric Conversion

Electrochemical Grinding (ECG) Applications

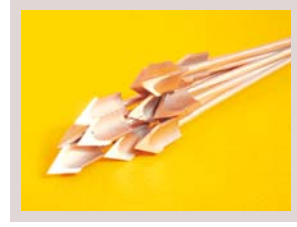
Slot Grinding



Form Grinding



Point Grinding



Model EG 818C CNC Electrochemical Surface Grinder

Specifications

Work Surface	(8" Wide x 18" Long)
Table Travel	(21")
Crossfeed Travel	(6-1/2")
Capacity	Centerline of Spindle to Work Surface (3.125" to 15.625")
Spindle Motor	(5) HP TEFC w/ Variable Spindle Speed Control
Wheel Size	(8" Dia. x 1-1/4" Dia. Hole)
Lubrication	Automatic
Electricals	230/460 V—3 Ph—60 Hz
Base	Heavy Duty Cast Iron
Column	Cast Iron
Z Axis	Precision Ground 'V' and 'Flat' Ways with Preloaded Servo Driven Ball Screw
X and Y Axes	Linear Motion Guide Ways with Preloaded Servo Driven Ball Screws
Weight	(3000 Lbs.)
Shipping Wt.	(3300 Lbs.)
Color	Everite Beige

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Standard Equipment

GE Fanuc Series Oi-MA CNC Control
(8.4") LCD Display
Position readout, distance to go, feed rate, etc.
Program storage up to 200 Programs and Subroutines
Absolute and Incremental Programming
Settable zero offsets
Background programming enabling quick efficient setups
RS 232 Interface
Overhead Wireways
High Volume Electrolyte Filtration Unit
Lectropak 300 Amp DC Power Pack and Control
(3") Electrolytic Spindle
(5) HP TEFC Motor w/ variable speed control
(50 Gal.) Electrolyte Tank
Mist Collector, Model MC3
Work Area Includes: Front Lexan Sliding Doors, and Lexan Windows.
Wheel Guard, (8") Dia. Wheels up to (1-1/4") Wide
Electrolyte Cartridge Filter
Supply of Electrolyte
Automatic Lubrication System
Epoxy Paint, Everite Beige
Instruction / Maintenance Manuals, (1) Set



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Standard Features; GE Fanuc Series Oi-MA:

Panel mounted unit with Full Key (8.4") LCD display
Digital Servo Amplifiers for Axis Servo Motors
Programmable Machine Control Interface
RS-232 Interface
Machine Control Panel
Step Switches for Feed Rate and Spindle Speed override
Manual Pulse Generator (electronic hand wheel)
Simultaneous control of all axes
Linear and Circular Interpolation
Manual / MDI / Auto Control
G Code Programming
Spindle Speed Control: M03 "Start", M05 "Stop"
Message displays: diagnostic, control, and machine for operation guidance and instruction
640 M (256 K) Part Program Storage
Number of Programs Registered, (200)
Program Name Display
Program and Sequence and Number Search
English Language
X, Y, Z Axes Reference Zero
Software Over Travel Protection
Background Editing
Inch / Metric Conversion
Pitch Error Compensation
Cutter Compensation
Feed Rate Override 0 – 150 %

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Everite / the one source for ECG

Electrochemical Sales - Service - Supplies

Surface Grinders - Cutoff Machines - Point Grinders

ECG Wheels / Conventional & Super-Abrasive

Electrolyte

Tools & Fixtures / Standard & Custom