

# Electrochemical Vertical Grinder

## CNC Control - Vertical Spindle - Rotary Table

### *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

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### Available Models

Model VG 30 Single Column  
30" Table - 18" Vertical Travel

Model VG 36 Single Column  
36" Table - 18" Vertical Travel

Model VG 48/30 Dual Column  
48" Table - 30" Vertical Travel

Model VG 48/54 Dual Column  
48" Table - 54" Vertical Travel

Model VG 60/30 Dual Column  
60" Table - 30" Vertical Travel

Model VG 60/54 Dual Column  
60" Table - 54" Vertical Travel

Model VG 36 shown with pendant control

## **Model VG 36 CNC Electrochemical Grinder With GE Fanuc Series Oi CNC Control**

### **I.D. & O.D. Grinding**

Precise & rapid metal removal

Very effective on cobalt / nickel base alloys

Capability to form grind

durable wheel life - infrequent redressing

### **Capacity:**

Turntable: 36" diameter

Horizontal Slide: 33" travel

Vertical Slide: 18" travel

Wheel: 12" Dia. Max.

Spindle Motor: 7-1/2 HP



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Vertical Electrochemical Grinding  
 Aircraft Engine Machining  
 Vane Tip ID Grinding



<b>Model VG 36 Electrochemical Vertical Grinder</b>	
<b>Specifications</b>	
Control	GE Fanuc Series Oi CNC Control
Turn Table	36" Dia.
Vertical Travel	18"
Horizontal Travel	33"
Spindle Motor	7-1/2 H.P.
Wheel Size	Max. 12" Dia.
Lubrication	Automatic
Electricals	230/460 V - 3 Ph - 60 Hz
Base	Heavy Duty Cast Iron
Column	Cast Iron
Weight	≈ 10,000 Lbs.
Shipping Wt.	≈ 11000 Lbs.
Color	Everite Beige

<b>Model VG 36 Electrochemical Vertical Grinder</b>	
<b>Standard Equipment</b>	
GE Fanuc Series Oi CNC Control	
Lectopak 1000 Ampere DC Power Supply & Control	
Electrolyte Tank & Pump, Fifty (50) Gallon, Steel - Epoxy Painted	
High Volume Electrolyte Filtration Unit with manual fabric advance	
Stainless Steel - Cartridge Type, Electrolyte Filter	
Splash Guards & Troughs for Electrolyte re-circulation and control	
Mist Collector, Model MC3 - 200 CFM	
Wheel Adapter - 1.0" wide wheels	
Electrolyte Nozzle - for 1/4" to 3/4" wide wheels	
Automatic Lubrication System	
Supply of Electrolyte	
Epoxy Paint: Everite Beige	
Instruction / Maintenance Manuals, (1) Set	
On-site Installation & Training - One Week, (domestic US sales only)	
Warranty: 12 Mos.	

<b>Model VG 36 Electrochemical Vertical Grinder</b>	
<b>Optional Equipment:</b>	
Pendant Control Station for GE Fanuc Series Oi CNC Control	
Extended Vertical or Horizontal Slide Travel	
Lectopak 1500 Ampere DC Power Supply & Control	
Work Holding Fixtures	
Mounting Platform for Wheel Dressing (single point or rotary)	
Single Point Wheel Dresser, Diamond	
Pneumatic Rotary Wheel Dresser - with 3/4" wide diamond roll	
Dual Station Dresser	
Special Wheel Adapters	
Electrolyte Flow Control	
Digital Voltmeter and Digital Ammeter	
Stainless Steel Tanks & Pumps	
Multiple Paint Colors	
Special Electrical & Control Requirements	
Wheels available in Aluminum Oxide, Silicon Carbide, Diamond, & CBN	

<b>Everite T: 215 425 3750 F: 215 426 7768</b>	
<b>One stop shopping for ECG supplies:</b>	
<b>Electrochemical Sales - Service - Supplies</b>	
<b>Surface Grinders - Cutoff Machines - Point Grinders</b>	
<b>ECG Wheels / Conventional &amp; Super-Abrasive</b>	
<b>Tools &amp; Fixtures / Standard &amp; Custom</b>	
<b>Electrolyte</b>	