

CNC Electrochemical Surface Grinder

Featuring Fanuc Series 0iMC CNC Control



**Model
UG 824**



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

Model Ultra-Grind UG 824 CNC Electrochemical Surface Grinder

- Large 8" x 24" work envelope in a compact foot print.
- Fanuc 0iMC CNC Control includes linear and circular interpolation.
- Stationary table—easily adapts to robotic automation.
- Linear guide ways allow for higher speeds with greater positioning accuracy.
- New, compact electrolyte tank stores neatly underneath machine.
- Continuous filtration improves electrolyte life.
- Standard 300 Amp. D.C. power supply with 600 or 1000 Amp. Capacity also available.

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Electrochemical CNC Surface Grinder Model UG 824

The Ultra-Grind 824 is the latest in our line of CNC electrochemical grinding machines. The UG 824 offers exceptional rigidity by virtue of its heavy castings and features a unique fixed table design. It is well suited to applications requiring machine automation because of its convenient access to the

work area. The Fanuc 0iMC CNC provides servo control of all 3 axes. It has an 9 x 25 work surface and a compact, integrated design so that all DC power components, electrolyte equipment and machine controls are located within a small footprint.



Optional magnetic chuck and motorized wheel dresser.



Convenient rear access to tank and filtration.

Model UG 824 Electrochemical CNC Surface Grinder

Specifications

Worktable Working Surface	9" x 25" (Width & Length)
Longitudinal (X Axis) Travel	24"
Vertical (Y Axis) Travel	12"
Transverse (Z Axis) Travel	8"
Spindle Center to Table Distance	3-1/2" Min.
Maximum Work Feed Rate	100" Per Minute
Maximum Rapid Feed Rate	250" Per Minute
Accuracy X Axis	.0010" Per Foot of Travel
Accuracy Y Axis	.0002" Per Foot of Travel
Accuracy Z Axis	.0002" Per Foot of Travel
Spindle Motor	5 H.P. (7.5 H.P. Optional)
Max Spindle Speed	4,000 rpm
Shipping Weight	6,000 Lbs.

ECG Technology easily cuts most metals, including:

- **Stainless**
- **Titanium**
- **Carbide**
- **Zirconium**
- **Inconel**
- **Hastelloy**
- **Copper**
- **CoCr**
- **Nitinol**
- **Tool Steel**
- **Stellite**
- **Aluminum**



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ECG Wheels: Conventional & Super-Abrasive
Electrolyte
Cutoff Fixtures: Standard & Custom

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