

CNC Electrochemical Surface Grinder

Featuring Everite Smart Grind Technology



**Model
UG 618**



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 618 CNC Electrochemical Surface Grinder

- Large 6" x 23" work envelope in a compact foot print.
- Everite Smart Grind Technology driven by Danaher – G&L Motion Control, featuring linear and circular interpolation with scale feedback on 'Y' and 'Z' axes for greater positioning accuracy.
Also available with optional Fanuc OiMC CNC Control.
- 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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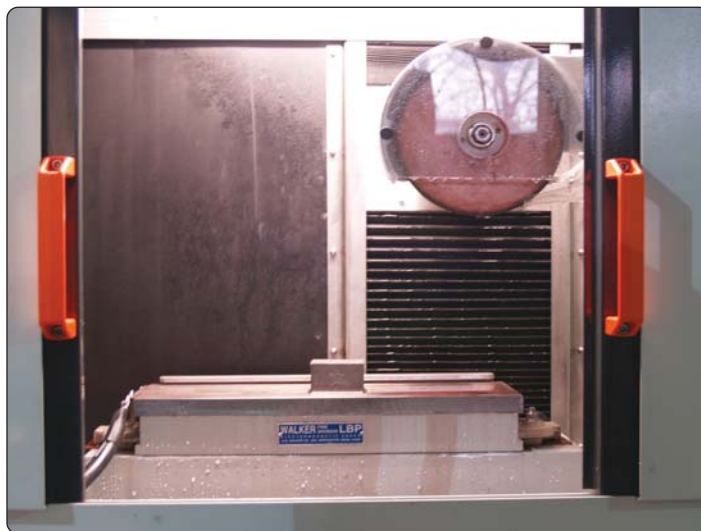
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Electrochemical CNC Surface Grinder Model UG 618

The Ultra-Grind 618 is the latest in our line of CNC electrochemical grinding machines. The UG 618 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 Danaher – G&L Motion Control provides servo control of all 3 axes. It has a 6" x 23" 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 shown on table.

Model UG 618 Electrochemical CNC Surface Grinder

Specifications

Worktable Working Surface	6" x 23" (Width & Length)
Longitudinal (X Axis) Travel	18"
Vertical (Y Axis) Travel	14"
Transverse (Z Axis) Travel	6"
Spindle Center to Table Distance	3-1/2" Min.
Maximum Work Feed Rate	100" Per Minute
Maximum Rapid Feed Rate	200" Per Minute
Accuracy X Axis	.002" 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	5,000 Lbs.

ECG Technology easily cuts most metals, including:

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



Everite . . . the one source for ECG

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

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