

# DRAKE

## GS:CG CROWN GRINDER

Drake Manufacturing has revolutionized the thread grinding industry with precision built solutions engineered for your success. The GS:CG, powered by PartSmart™ menu-driven screens, includes special applications that ensure form and accuracy. Process flexibility is built in to optimize speeds and feeds for grinding and dressing to minimize cycle time, further increasing productivity. Drake machines are designed by a talented team of engineers with several decades of experience.

### FEATURES

- PartSmart™ Menu-Driven Screens
- CNC Servo System
- Linear Motors
- Cast Polymer Base
- Linear Glass Scales
- Diamond Roll Truing
- Assembly & Verification



### DISCOVER THE DRAKE DIFFERENCE

Call or Email  
**+1-330-847-7291**  
[info@drakemfg.com](mailto:info@drakemfg.com)

# Drake

©DRAKE MANUFACTURING ACQUISITION LLC  
4371 North Leavitt Road | Warren, Ohio 44485  
330-847-7291 | [drakemfg.com](http://drakemfg.com)

### MACHINE SPECIFICATIONS

Experience GS:CG. View our complete technical specifications.

Max Part Diameter	400mm*
Max Grind Length (centered on pivot)	750mm
Longest Part (bearing end-to-end)	900mm
Max Work Height Above Wheel C/L	25mm
Programmable Lead	0 to 999mm
Pivot	±10°
Lead Angle Range	±10°
Minimum Crown Radius	1.9m
Maximum Crown Radius	999m
Form Width Maximum	63mm
Form Depth Maximum	25mm
Wheel Spindle Power	16kW
Maximum Wheel Diameter	400mm
Minimum Wheel Diameter	280mm
Wheel Width	25 to 80mm
Workhead Speed (25:1 gear box)	Up to 160 rpm
Number of CNC Axes	7 (includes helix)
Total Electrical Requirements	52kVA
Voltage	200-600V
Approximate Weight	12,000kg
Machine Dimensions (overall)	2.4m W x 2.6m D x 2.2m H
Machine Dimensions (workholding height)	1.35mm
Diamond Roll Dresser Diameter	114 to 125mm
Standard Diamond Dresser Roll (width)	Up to 32mm

Machine specifications subject to change contingent on part requirements

\*Dependent upon part fixture