



**CENTERLESS GRINDING
SOLUTIONS**

CENTERLESS GRINDER SERVO CONTROL UPGRADE



SERVO REGULATING WHEEL DRIVE SYSTEM

- Replaces 2 speed gear drive
- Includes new servo motor, mechanical drive unit and power supply for speed control.
- Controlled by a potentiometer or integrated into the infeed/thrufeed control

THRUFEED/INFEED SERVO CONTROL PACKAGE WITH CNC CAPABILITY

- Used for High Precision thrufeed/infeed grinding applications
- Utilizing Yaskawa servo motors and drives
- Retrofitted with modified end bracket and ballscrew
- Windows Based PC Unit with PLC, with remote support capability
- User Friendly Touch Screen HMI Operator Station
- E-Z Setup MPG Handwheel Unit
- Expandable Axis Control (from 1 Axis to 7 Axis)



Grinder Control Upgrade Options

MACHINE CONTROL UPGRADES - OVERVIEW



With today's ever tightening tolerances and increased demand for productivity, CGS offers cost-effective solutions to help meet those demands. Retrofit your centerless grinder with CGS to meet today's standards.

- Servo infeed/Servo regulating wheel
- Electrical Controls
- HMI touchscreen operator stations
- Remote offsite machine troubleshooting

- Grinder control system
- Touch Screen Controller with large buttons and anti-fatigue color scheme
- Keyboard and Mouse
- Rugged industrial user interface – Sealed CPU, Windows 10 Pro
- Advanced connectivity standards: Wifi, USB, as well as Wired internet or local network options
- Bottom Mount Arm
- Wireless MPG Pendant
- Industrial, Pre-wired Back Panel
- 24 VDC 10 Amp Control Power Supply
- AC Unit
- Axis
- Grind Wheel Spindle

DETAILS - GRINDER CONTROL SYSTEM *(Models may vary)*

21" Touch Screen CNC Controller

- Multi touch glass screen - easy tool path verification similar to tablet/smartphone style navigation
- Large buttons easy for all finger sizes
- Anti-Fatigue color scheme alleviates eye strain and operator fatigue
- Clear, crisp image (bifocal friendly)
- Redundant navigation system - keyboard, mouse, on screen keyboard

Rugged Industrial User Interface

- ZERO Maintenance - Sealed CPU from dirt and oil film
 - Extend Life: No Fan filters, no exchange of air
 - Lean profile, thin design
 - Industrial PC
 - Operating System: Windows 10 Pro IoT

Advanced Connectivity Standards Included

- Wifi
- USB
- Wireless keyboard and mouse
- Wireless pendant
- Wired internet or local network

Bottom Mount Arm

Industrial, Pre-wired Back Panel

- 400 V Rating, Three Phase
- (TBD) Amperage Rated Main Contactor
- Motion Controller
- PLC
- 3 Phase