ANCA Motion's CyGrind cylindrical grinding solution is a complete CNC system package combining premium CNC performance with user-friendly cylindrical grinding software. CyGrind takes the complexity out of cylindrical grinding with innovative software navigation combined with 3D graphical feedback, touch-friendly interface and grinding simulation.

AT A GLANCE

- Simple and flexible graphical geometry editor for part definition.
- Flexible wheel geometry specification combined with graphical representations.
- Unique MPG feed feature allows operators to manually move along a programmed path.
- Compensation and adjustment options to ensure parts meet accurate specifications.
- Full support for part probing, gauging and wheel dressing.
- Separate logical machines allow the grinder and loader to work independently for loading operations.

PROVEN PRECISION

ANCA Motion’s renowned CNC technology has been extensively developed for over 40 years with a rich history in 3 to 5 axis CNC grinding. ANCA Motion CNC controls are utilized in thousands of industry leading grinding machines around the globe.

POWERFUL CUSTOMISATION

CyGrind takes advantage of ANCA Motion’s Commander software. Commander allows a high level of customisation of the CyGrind solution from colours and branding to operations and behaviour, the operator interface can be tailored to your needs.

YOUR CNC PARTNER

We adapt our hardware and software to our OEM’s exacting requirements, providing solutions that give our customers a competitive edge. Continuous support and innovation throughout the life of the product allows us to deliver world class products and global service.
USER FRIENDLY YET POWERFUL

Without compromising on functionality, CyGrind has been developed with the goal of being an intuitive cylindrical grinding application.

KEY FEATURES

- Powerful graphics simulation for visualising the entire grinding process.
- In-built help images for parameters, 3D geometry models, grind preview pages and grinding simulation gives the operator confidence in ensuring the right part is produced, every time.
- Full support for part probing, gauging and wheel dressing ensures accuracy and surface finish.
- Multiple compensation and adjustment options to ensure the parts meet accurate specifications.
- Reduce waste and increase productivity with ANCA Motions unique path MPG and Live Offset feature to verify the setup process.
- Live Offset allows axis offsets to be applied dynamically at any time which can be used to avoid contact between the grinding wheel and workpiece during set-up.