

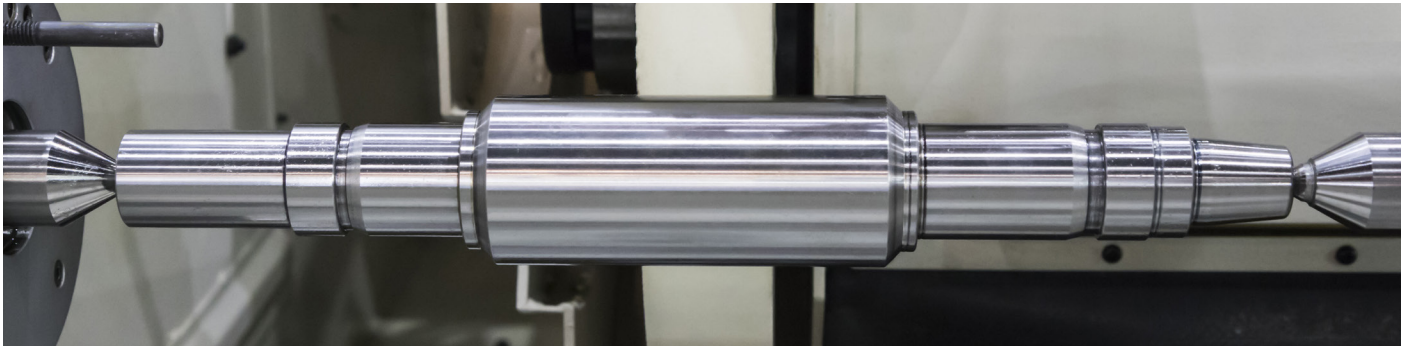


# CYGRIND

## CYLINDRICAL GRINDING CNC SOLUTION

**ANCA**  
**motion**  
Motion Control Solutions

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.



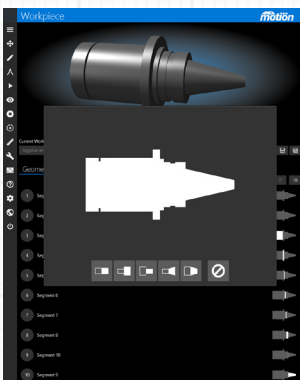
# CYGRIND CYLINDRICAL GRINDING CNC SOLUTION

## USER FRIENDLY YET POWERFUL

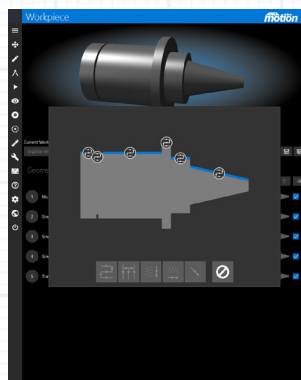
Without compromising on functionality, CyGrind has been developed with the goal of being an intuitive cylindrical grinding application.

## KEY FEATURES

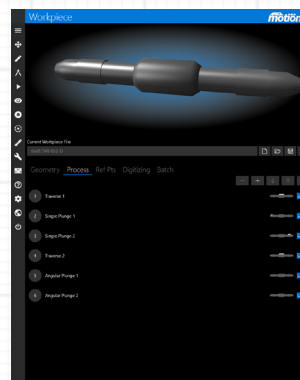
- Powerful graphics simulation for visualising the entire grinding process.
- In-built help images for parameters, 3D geometry models, grind preview pages and grinding simulation gives the operator confidence in ensuring the right part is produced, every time.
- Full support for part probing, gauging 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.



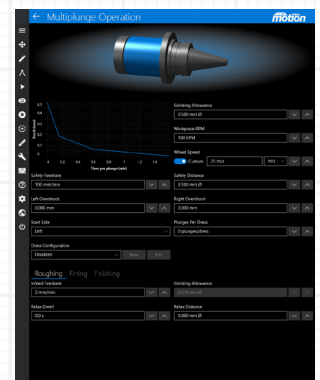
Simple graphical creation of geometry segments



Assign operations to segments with one touch



Intuitively enable, disable, reorder, and review operations



Edit process parameters including roughing, finishing, finishing and in-process dressing



LASER



LATHE



TOOL GRINDING



PINCH PEEL



FOOD AND BEVERAGE



WATERJET