



The automatic wheel changer takes little space but has a huge impact

INFO

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Wheel Changer

Wheel changer makes automation more flexible, eases setup, and pays for itself in about a year

We tend to think of an automatic grinding wheel changer as an option that extends unmanned operation, but it's much more:

Flexible automation

- Combine roughing and finishing wheels to automate jobs with heavy stock removal
- Auto-load CBN and diamond wheels – even copper electrodes – to switch between different tool materials (carbide, PCD, HSS)
- Automatically change wheel sets to grind completely different tool geometries in one long run



Extended automation

- For long loader runs, change similar wheel packs as they wear

Easy and fast setup for complex tools

- Pull from 8 to 12 simple wheel packs to grind complex tools in one setup
- Eliminate the interference worries caused by three-wheel packs and free yourself to grind what you envision
- Reduce the need to break down and build new wheel packs, savings hours in setup

Each wheel set has its own integrated coolant manifold, and they switch out as a set. This also means you can configure the nozzles on a bench while the machine keeps grinding.

Over for more 

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A Helitronic Power Diamond with a wheel changer can automatically switch between copper electrodes and grinding wheels to tackle complex PCD, carbide, and HSS tools in one setup



Pays for itself

If you changeover eight times in a shift, the automatic wheel changer will save you about 30 minutes during that shift. Figuring \$25/hour in direct labor costs and \$100/hour in billable time, that works out to about \$80,000/year in a three shift operation. Give us a call and we'll show you how the numbers work for your situation.

Characteristics

- Wheel change time under 10 seconds
- Up to 12 wheel sets (Helitronic Vision) or 8 sets (Helitronic Power and Helitronic Power Diamond)
- Up to two grinding wheels per set (practically speaking) for a total of 24 wheels (Vision) or 16 wheels (Power & Power Diamond)
- Maximum wheel diameter 6 inches (150 mm)
- HSK adapters for high precision and repeatability
- Build each wheel set outside machine to maximize productivity, even positioning nozzles for best coolant placement
- Direct drive spindle
- Optional 600 PSI wheel opening system keeps the wheel cutting freely during a production run



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