SMARTER TOOL REGRINDING
WITH ANCA

Automated in-house regrinding solutions that reduce cost, downtime, and waste

Rising carbide costs, longer lead times, and increasing pressure to reduce waste are forcing manufacturers to rethink how tooling is managed across the shop floor.

ANCA's automated regrinding solutions enable manufacturers to bring high-quality CNC tool regrinding in-house — with the control, consistency, and flexibility required to support high-volume carbide tooling.

No longer limited to toolmakers, in-house regrinding powered by ANCA has become a practical, scalable production strategy, helping manufacturers reduce tooling costs, minimise downtime, and extract more value from every tool.

With material costs climbing and production margins under pressure, ANCA regrinding solutions give manufacturers the confidence to stay productive, competitive, and sustainable.

WHY REGRIND AT ALL?

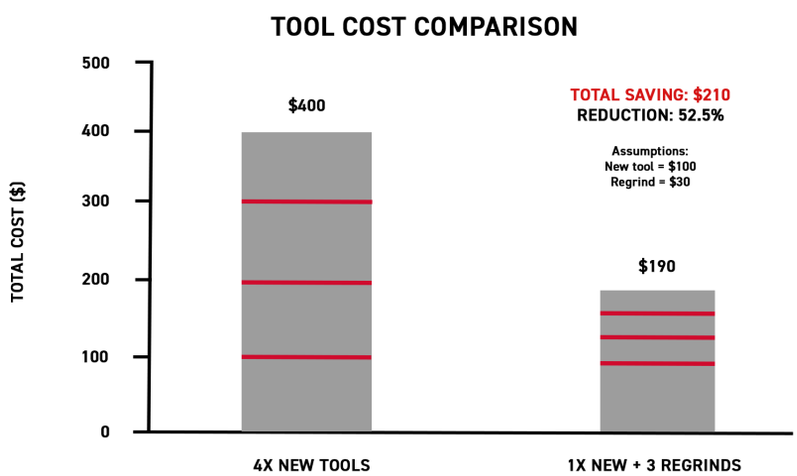
Regrinding is one of the most cost-effective and sustainable ways to extend tool life.

3x
A high-quality carbide tool can be reground up to three times

30-40%
Typical cost of a regrind compared to a brand-new tool

80-90%
Performance retained compared to new tool life

Up to 70%
Total savings across the full tool lifecycle



ANCA REGRINDING SOLUTIONS

ANCA offers a complete portfolio of automated regrinding solutions designed for manufacturers of all sizes.

FLEXIBLE AUTOMATION

- Mixed-batch regrinding
- Collet and pallet-based loading systems
- Lights-out and unattended operation

RFID-DRIVEN REGRINDING

- Tools are tagged and automatically identified
- Grinding programs are called up without operator input
- Tools can be loaded in any order and swapped at any time
- Ideal for high-mix, high-urgency environments

INTEGRATED TOOL MEASUREMENT

- Automated scanning digitises tool wear
- Regrinding parameters are set automatically
- Ensures consistent geometry and repeatable results
- Even mixed batches can be loaded and reground error-free

SOFTWARE FOR ANY GEOMETRY

- Supports ANCA-ground and non-ANCA tool geometries
- Original tool intent and performance are preserved
- Regrinds produced on the same platforms used to manufacture new tools

BENEFITS AT A GLANCE

EFFICIENCY
Reduce procurement delays and tool shortages

COST SAVINGS
Save up to 70% per tool cycle

PERFORMANCE
Maintain 80–90% of new-tool life

SUSTAINABILITY
Significantly reduce carbide waste

CONSISTENCY
Precision regrinds using original geometry on ANCA platforms

READY TO TAKE CONTROL OF YOUR REGRINDING STRATEGY?

Scan the QR code to request an assessment with our experts

ANCA CNC MACHINES