



Now available through



# Your Upgrade & Repair Headquarters



Spindle Repair

A close-up photograph of a metal spindle assembly, showing various components and a central bore.

Aggregate Head Repair

A photograph showing a blue aggregate head component being worked on, with a metal tool and a cylindrical part nearby.

Live Tool Repair

A photograph of a live tool assembly, showing a metal tool holder and a cutting tool.

Free Inspections • USA Repair • 1-2 Week Lead • All Brands

## Spindle Repair

In addition to manufacturing new spindle motors to original Ekstrom Carlson design requirements, we upgrade and repair all makes and models of spindles and spindle motors. These include spindles for CNC lathes, mills, machining centers, grinders, and routers. Some of the brands we repair include Makino, Mazak, Okuma, Haas, Omlat, HSD, Colombo, Gamfior, and all others.

## Live Tool Repair

CNC lathe live tooling often fails due to coolant entering the unit and damaging the bearings, or simple wear and tear over the life of the unit. Most live tools exceeding 0.001" runout are due, or almost due, for a repair. 0.0004" or less is the target runout for a live tool. Some of the brands we repair include Alberti, Eppinger, WTO, KSC, Okuma, Mazak, Hardinge, Nikken, Von Ruden and all others.

## Aggregate Head Repair

Right angle and variable angle milling and drilling heads used in machining centers to mill slots and drill holes in workpieces often fail due to torque loads on the bearings, damage caused by a crash, or typical wear and tear. We repair hundreds of these units each year. Some of the brands we repair include Romai, Benz, Techniks, HSD, Koma, Nikken, Grotefeld, Volstro, and all others.

## Why choose Ekstrom Carlson for your repairs?

- 1-2 Week average for multi-spindle heads. 3-5 days for right angle heads and live tools.
- Much lower price than the OEM, or the OEM distributor.
- We repair the unit in Rockford, IL.
- Where possible, we save money by repairing motor spindles & gear spindle shafts. Some manufacturer's representatives will always quote a brand new unit if the unit drive shaft is damaged, or if the bearings require replacement. 75% of the time, we can save the original unit at less than 50% the cost of new.
- Sealed bearings when available and possible conversion to ceramic bearings.
- **Expedited repair service available.**

## Lead Repair Technicians & Management

**10+** Years Experience

## We offer top notch customer service

*"Our machine is running like new again. The tool holding strength is noticeably better because you repaired the spring washers. The expedited service got us running again fast, so thanks again for your service!" - Satisfied Customer*




Repair processes and inspection requirements held to consistent ISO 9001 standards.



**We offer Cutting Tools, Manufacturing & Sharpening, Spindle & Live Tool Repair, Coolant Spray Systems, Router and Saw Motors. Read more about it all at [ekstromcarlson.com](http://ekstromcarlson.com)**



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