

Machine Tool Service

PRODUCT & SERVICE OVERVIEW



Konecranes is a world-leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity-enhancing lifting solutions as well as services for lifting equipment and machine tools of all makes.

Konecranes Machine Tool Service began in the U.S. with the strategic acquisition of three well-established companies in the Ohio Valley. This original group of three forms a solid core of customer service excellence, expertise and critical mass from where a full range of service is offered to machine tool users.

Machine Tool Solutions Unlimited, Cincinnati OH

Founded in 2003 and acquired by Konecranes in October 2009, specializing in CNC control retrofits, field service, calibration, on-site repairs and preventive maintenance.

Ohio Hi-Speed, Cleveland OH

In business since 1992 and a Konecranes company since August 2010, specializing in rebuilds, redesign, preventive maintenance and field service.

King Tool, Erlanger KY

Started in 1978, joined the group in October 2010, adding a 30-year history of performing top class rebuilds and redesign on a variety of machines. Complex rebuilds are carried out in the Erlanger facility, which is equipped with specialty tools and staffed by skilled machinists.

Our growing MTS business allows us to broaden our offering to new and existing customers in a variety of industrial segments. The business is a strategic fit with our traditional core competency in overhead crane maintenance services.



KONECRANES IS AT YOUR SERVICE DURING ALL PHASES OF A MACHINE'S LIFE CYCLE



MAINTENANCE AGREEMENTS

From preventive maintenance to complete machine tool condition monitoring, we can customize a maintenance program for your operation. Maintenance agreements include:

- > Machine evaluation
- > Tailored preventive maintenance
- > Predictive maintenance
- > Site maintenance & management
- > OEE reporting
- > Critical spare parts database



SCRAPING

Machine tool scraping is not a lost art. At Konecranes, it is common practice. We can restore your machine's alignment in your plant or ours. Our scraping specialists are experienced in scraping the following materials:

- > Steel
- > Cast iron
- > Brass
- > Bronze
- > Babbitt
- > Turcite®
- > Rulon®
- > Moglice®



LEVEL & ALIGN

Konecranes can restore your machine to its original alignment and specification utilizing the following calibrated equipment:

- > Granite parallels
- > Granite squares
- > Autocollimator
- > Untra-Dex
- > Various levels
- > Various laser systems



CONTROL RETROFIT

Konecranes application engineers can provide various retrofit options including software design, integration and installation of new control packages to replace your existing aged control system. We can retrofit the following machine makes and models:

- > Vertical & horizontal turning lathes
- > Vertical & horizontal machining centers
- > Grinding machines
- > Gantry, bridge and portal mills
- > Special machinery



SERVICE & SUPPORT

Konecranes service engineers have years of experience diagnosing and repairing machine tool makes and models of all kinds. Engineers are continuously attending extensive ongoing training. In most cases, Konecranes can respond 24/7. We offer the following service and support options:

- > Emergency & scheduled repairs
- > Electrical troubleshooting & repair
- > Mechanical troubleshooting & repair
- > Plant relocation
- > New machine installations



CALIBRATION & CERTIFICATION

Konecranes can optimize performance by providing laser calibration designed to ensure accuracy and repeatability when producing parts. Our calibration equipment is certified annually. Calibration is performed using the following equipment:

- > Faro Tracker laser system
- > Renishaw laser interferometer system
- > Hewlett Packard laser system
- > Renishaw telescoping ball bar



REBUILD

Konecranes can restore existing machinery to its original mechanical, geometrical and positioning condition. Our rebuild program retains the existing CNC/PLC control and electrics, while rebuilding and optimizing the following mechanical features:

- > Rebuild mechanical components
- > Replace existing bearings & seals
- > Grind & requalify bed ways
- > Recondition ball screws
- > Refurbish hydraulic & lubrication systems



REMANUFACTURE

Konecranes remanufacturing services offers an economical option to replace or purchase new machinery. Our rebuilding program includes complete rewiring of the machine and the integration of a new modern CNC/PLC control system. During the remanufacturing process we will:

- > Redesign/remanufacture inferior mechanical components
- > Replace existing bearings & seals
- > Regrind & requalify bed ways
- > Rewire machine devices