

A Leading Aero-structure Manufacturer

KONECRANES MTS DIAGNOSED AND FIXED A LONG-STANDING PROBLEM, REDUCING PROCESSING TIME BY 60% AND SAVING \$300K PER YEAR

CHALLENGE

Too much scrap

A leading global manufacturer of aerostructures, located in the southern United States, builds aircraft components such as stringers, ribs and spars for the aerospace industry.

Before Konecranes Machine Tool Service (MTS) was contacted, an old but critical machine in the facility produced an unacceptable quantity of scrap parts, thereby wasting costly raw materials and valuable processing time. Scrap from the machine in question totaled \$300,000 the previous year and \$160,000 year-to-date.

SOLUTION

Upgrade controls, motors and drives

For over a year and a half, the maintenance department and the original equipment manufacture could not determine what was causing the scrap parts to be created. Konecranes MTS was able to properly identify the problem during the initial visit.

Because Konecranes MTS Service Engineers had proven themselves with a fast response time to a service need, they were awarded a modernization through retrofit. Konecranes compared the machine's current performance against matching statistics when it was new, uncovering an unfavorable variance.

Based on the results of this assessment, Konecranes MTS proposed, and was asked to provide, an upgrade with new CNC controls, motors and drives via retrofit.

RESULTS

Less scrap and 60% reduction in processing time

The Konecranes MTS team has become essential to helping the facility manufacture quality parts and reduce processing time. Konecranes MTS reduced the processing time for some of the components by 60%. In a competitive bid process, the aerostructure manufacturer awarded Konecranes MTS a Gantry Mill retrofit project.



PRODUCTS & SERVICES



INDUSTRIAL CRANES: Konecranes is the industry benchmark for safety, reliability, cost saving and productivity-enhancing innovation. Standard and heavy duty cranes include electric overhead cranes up to 1,000+ tons and explosion-proof cranes and components. Workstation lifting systems feature enhanced material flow with ceiling-mounted monorails and free standing cranes systems, jib cranes and manual lifting products and electric chain hoist up to 7500 kg. Konecranes provides any lifting application in any industry.



NUCLEAR CRANES: With nearly a half century of nuclear crane experience Konecranes is the most seasoned supplier in the industry. Our wide range of products are designed specifically for operation in nuclear applications and our quality control program ensures that each nuclear crane and component is designed, manufactured and installed to the demanding standards of the nuclear industry.



PORT AND PORTAL CRANES & SERVICE: Konecranes designs, manufactures, and delivers large cranes for ports, container terminals, intermodal terminals, shipyards and bulk material handling. We also provide expert maintenance and after-sale support as well as complete crane service worldwide for all types and makes of harbor and shipyard cranes.



HEAVY-DUTY LIFT TRUCKS: Konecranes is a world-leading manufacturer of lift trucks with lifting capacities of 10 to 80 tons. For over 50 years Konecranes has designed and customized trucks for the most demanding applications and continues to offer a wide range of trucks for customers in many different industries. Products include fork lifts, reach stackers, container handlers, and Roll-on Roll-off (RoRo) Trucks.



CRANE SERVICE: Konecranes provides an extensive range of services and unique capabilities dedicated to improving safety and helping your business decrease the cost of downtime and increase the productivity of uptime. We can service any brand of crane and hoist. As a leading global manufacturer with a 120-year history and the leading maintenance provider in the Americas and around the globe, Konecranes technicians understand what it takes to keep your equipment working at top performance.



MACHINE TOOL SERVICE: As a global leader in machine tool maintenance service, Konecranes offers world-class service on all makes and models of machine tool equipment. From maintenance programs to rebuild, remanufacture and retrofit, we have the knowledge and expertise required to keep your equipment running effectively and efficiently.



PARTS: Konecranes is the OEM for many of the best known brands of hoists and cranes as well as the largest single source supplier for parts of all makes. We have the most extensive inventory in the industry, as well as dedicated in-house parts manufacturing and extensive reverse engineering services to assist you with obsolete and/or not readily available parts. Our expert technicians are always available to help with field installation and support.



TRAINING: One of the easiest and most cost effective ways to improve safety and productivity while reducing maintenance costs is crane operator training. We can provide on-site training that is tailored to your needs, budget and schedule. In addition you will improve employee morale, generate good will and may reduce liability. We also offer courses at our Training Institutes in Milwaukee and Los Angeles as well as regional seminars in 40 cities per year.