

DESHAZO



DESHAZO

DESHAZO.COM

CRANES

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Alabaster, Alabama 35007

SERVICE & PARTS

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P: 205.856.3093
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3850 Pinson Valley Parkway
Birmingham, AL 35217



ELEVATED THINKING.



RAISING THE BAR FOR 35 YEARS

AT DESHAZO WE GO ABOVE AND BEYOND WHAT IS EXPECTED: We design and custom build every crane for reliability and long service life. Our cranes will outlast and out perform other overhead cranes in even the toughest conditions. All of our girders are manufactured in our plant to meet the highest safety standards. Our custom gear boxes, trolleys and end trucks are manufactured in our plant under the careful eye of our skilled welders and machinists and are known to be the toughest and most trouble free available anywhere.

WHAT WE DO

CRANES

Every crane that comes out of our shop is built to meet your lifting needs and specifications. We guarantee the highest quality control and maximum reliability when our cranes are working hard for you. The way we see it, there are no cookie-cutter answers to jobs that require the might of a DESHAZO Crane.



SINGLE GIRDER CRANES

DESHAZO Crane offers extremely sturdy top-running and under-running beam and monobox cranes for all applications.

DOUBLE GIRDER CRANES

For your larger and more demanding applications, DESHAZO Crane offers both top-running and under-running double girder bridge cranes. DESHAZO Crane also provides full-gantry and semi-gantry crane applications.

HOISTS

For your heavy-duty applications, DESHAZO Crane's manufactured Built-Up Hoist provides the reliability and low downtime you need. DESHAZO Crane can also provide all 'package' hoist brands as well.

RUNWAY SYSTEMS

DESHAZO Crane has the engineering and manufacturing expertise to design and fabricate all top-running and under-running systems, columns included.

CRANE COMPONENTS

DESHAZO Crane can provide all crane components a customer might need, including end trucks, electrical control panels and bottom blocks. We can also produce replacement parts for other manufacturer's cranes.

MISCELLANEOUS EQUIPMENT

DESHAZO Crane offers all brands of radio controls, under-the-hook attachments, monorail systems and jib cranes.

INSTALLATION

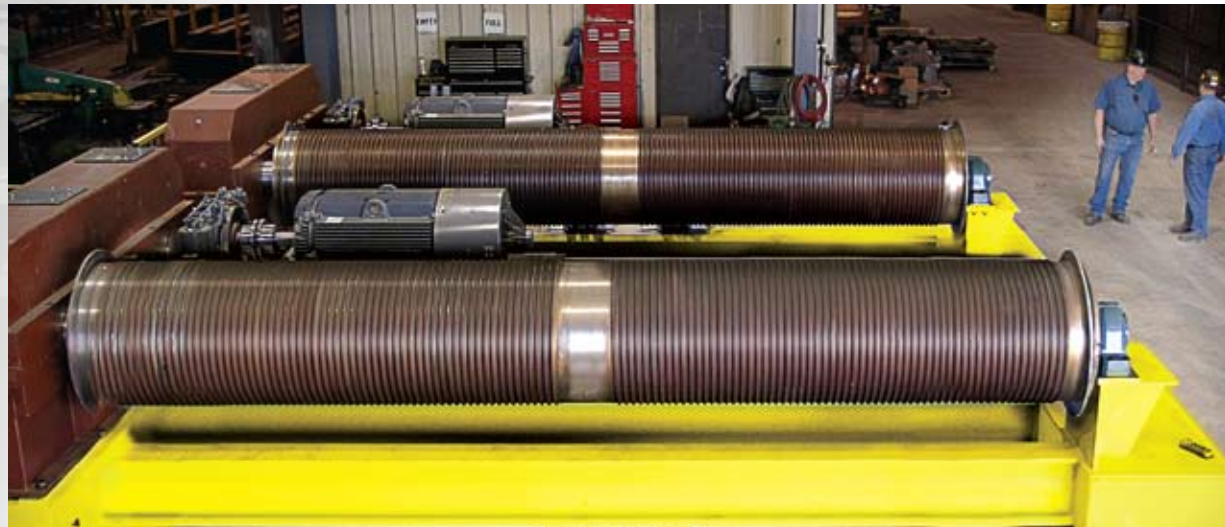
Using our own DESHAZO Crane installation crews to install your new equipment means it's done right the first time.



QUALITY CONTROL

MEANS PERFORMANCE, RELIABILITY
& CUSTOMER SATISFACTION

BUILT-UP TROLLEY HOIST



OUR REPUTATION STARTS HERE: At DESHAZO Crane Company we combine ingenious design with meticulous craftsmanship to create the lifeblood of our operation, the built-up trolley hoist. With a true built-up design, foot-mounted hoist motor, reducer and brake, this assembly embodies durability and ease of service. For over 35 years our reputation has been built on our passion for delivering cranes tough enough to handle your most demanding jobs.



VERSATILITY: We design, engineer and manufacture our built-up trolley hoist in many different configurations to meet your lifting needs. Whether they are large or small, you can have confidence that our built-ups will outlast the competition and give you superior service for many years.



A LONGER LIFE FOR YOUR MACHINES: All of our trolley decks are machined on a horizontal boring mill prior to assembly. This procedure reduces the need for shims and ensures that components will be square, in line and at the proper elevation. The components are then mounted and laser aligned.

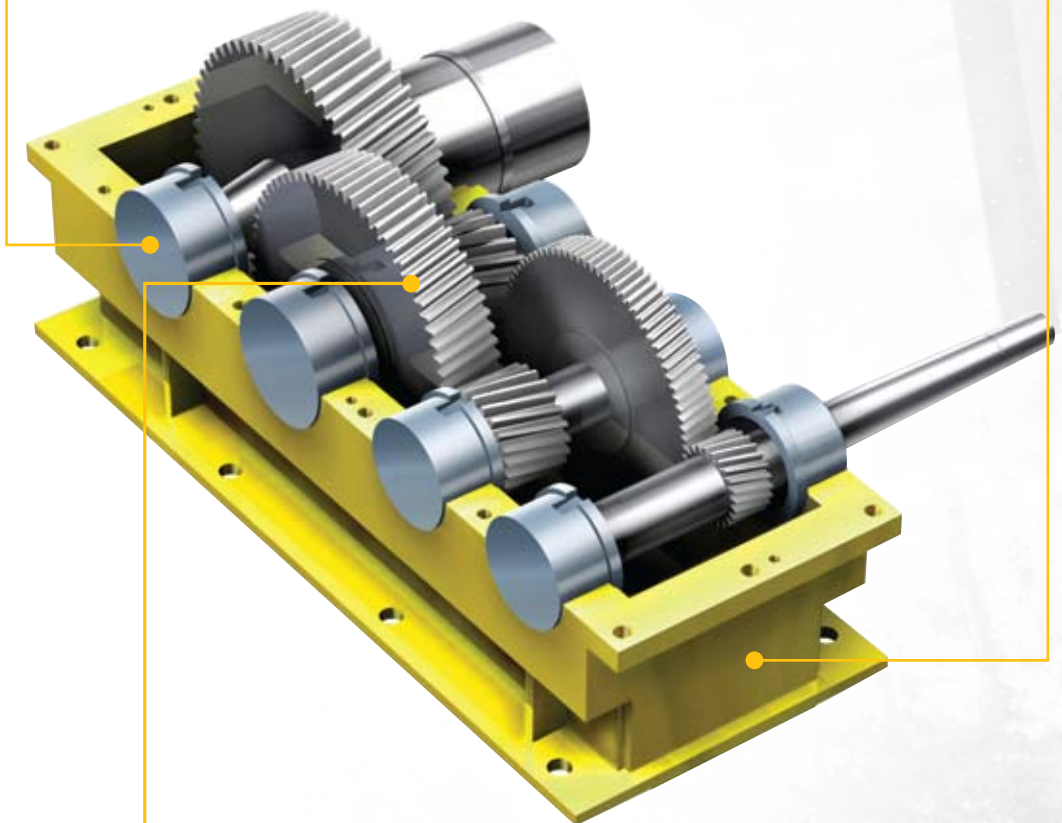
BEARING CAPSULE

ENGINEERED FOR EFFICIENCY: Our bearing capsule, made from C1018 steel, is engineered with a tapered channel called a slinger. The slinger is placed on the top of the capsule and is used to feed oil through the capsule and back into the gear box. This aids in keeping oil pressure from pushing oil out of the capsule while maintaining proper lubrication to the bearing. Since we are always looking for ways to minimize downtime, we engineered the capsule to be easily accessible in case a bearing needs to be replaced.

GEAR BOX

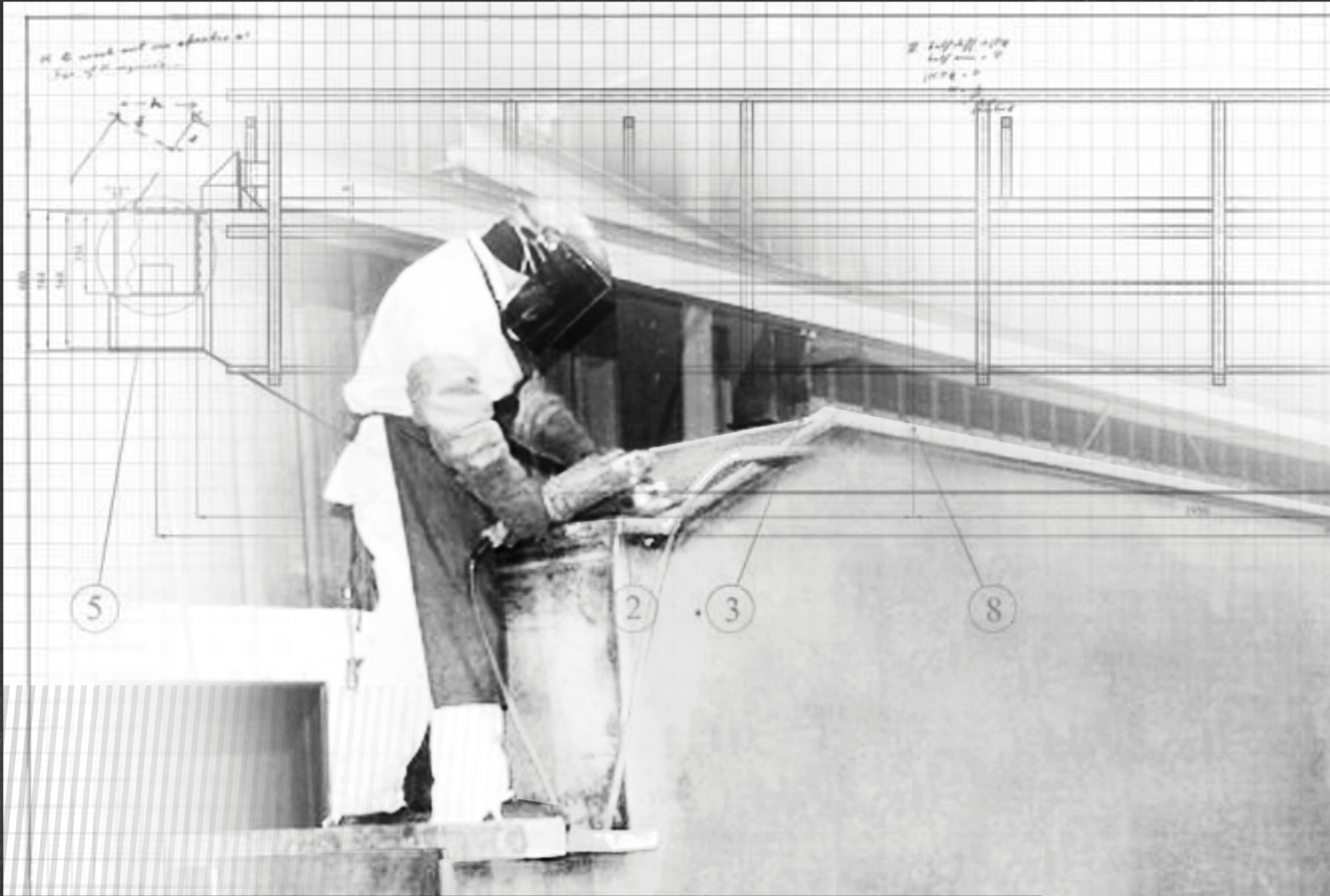
GOING ABOVE AND BEYOND: Our gear boxes are fabricated from A36 plate in a horizontally split design. They are dye penetrant tested to ensure that there are no leaks. Once the gearbox is stress relieved, it is machined on an Okuma computer controlled, five-axis machining center to extremely close tolerances. This machining ensures that all components fit precisely, creating an extremely smooth running and quiet gear box.

BUILT-UP TROLLEY HOIST



PRECISION HELICAL GEARING

CUSTOM-MADE: The helical gearing found in our built-up hoist gearboxes are precision machined in our plant from alloy steel and then flame hardened for durability and long life. Helical gearing provides progressive contact and release as the teeth of each gear mesh with the teeth of the subsequent gears, reducing the possibility of premature wear. Utilizing the helical design enables us to maximize efficiency and provide precision control for superior performance and produces an extremely quiet and smooth running gear box.



MANUFACTURING

DESHAZO Crane is a leading original equipment manufacturer of overhead cranes in the United States, with over 10,000 overhead cranes working across North America, South America, the Middle East and Asia. We design, manufacture and install overhead cranes from light industrial to CMAA class "F" mill duty service. Our 150,000 square foot plant and our engineering and manufacturing office complex are located on a 22-acre site in Alabaster, Alabama, approximately 20 miles south of Birmingham. Our incredibly reliable, ruggedly designed equipment will deliver the lowest total owning and operating cost of any overhead crane in the industry.

ENGINEERING SUCCESS

Our Engineering Department is where it all starts, designing the most rugged and reliable cranes on the market. Innovation in design and technology are hallmarks of what we do when we design your crane. Product development is a key component of our engineering strategy. We are constantly looking for new and creative solutions to your lifting requirements. If there is a better way, we will design and build it.

GETTING IT DONE

From massive double girder cranes to small monoboxes, our fabrication department knows how to get it done. Our certified welders use precise welding procedures and the latest welding technology to fabricate girders that can bear the load safely for the life of the crane. Every girder is designed and engineered to CMAA standards, so you can be confident that it will always be capable of supporting your lifting needs.

THE FACTS

10,000	20,000	150,000	200
WORKING CRANES IN:	SQ. FT. SERVICE SHOP	SQ. FT. COMPLEX	EMPLOYEES
NORTH AMERICA	INSPECTIONS	ENGINEERING	3 DESIGNERS
SOUTH AMERICA	MAINTENANCE	MANUFACTURING	4 DEGREEED ENGINEERS
MIDDLE EAST	REPAIRS		
ASIA			

ABOVE AND BEYOND

At DESHAZO we have made a commitment to the use of technology to produce high quality, long-lasting parts. The future is about being cost effective while ensuring quality, efficiency and value for our customers. That is why we have invested in the most modern machine shop in the industry. Our computer controlled machine tools allow our skilled machinists to produce parts to very close tolerances, with little or no variation from part to part.

NEW TECHNOLOGY

Efficiency means the elimination of waiting and downtime. All of our computerized machine tools, including our large horizontal boring mill, can be programmed remotely, either directly from engineering or from the machine shop supervisor's office. Our software allows us to produce three-dimensional models of the part, test the program and download directly to the machines, thus eliminating any downtime for programming the machine.



OKUMA V100R VERTICAL SPINDLE 2-AXIS CNC TURNING CENTER: This machine produces wheels, sheaves and other cylindrical parts quickly and accurately.



Precision inspection of each drum, the groove size and fleet angle.

OKUMA MCR-A5C 5-AXIS DOUBLE COLUMN CNC MACHINING CENTER: This state-of-the-art piece of equipment can completely machine five sides of a part without repositioning. Once programmed, it changes between vertical and horizontal heads as needed. The heads then select the proper tool from the tool storage magazine and go to work, all without operator intervention.



CLAUSING/HARRISON ALPHA 1800SLB X 96" CNC/ELECTRONIC LATHE: This horizontal lathe is fully automated. Once parts are programmed and stored in memory, there is no setup other than placing the part in the spindle.



FROM CONCEPT TO COMPLETION

INSTALLATION: Many things have to come together just right to have a successful and trouble free installation. Transportation, mobile cranes for rigging, rail placement, electrification and many more large and small details must all be coordinated. Proper installation is critical for a long lasting, smooth running and trouble free crane. Our experienced installation crews can do it all, installing complete runway, crane and hoist systems. Once installation is done, our technicians will start up your crane and go through an extensive checklist to determine that all components and systems are functioning properly and to your satisfaction.



**ANY MAKE.
ANY MODEL.
ANY TIME.**

SERVICE

Our skilled technicians perform on-site inspections, repairs, modifications and rebuilds on any overhead crane or hoisting system. From replacement parts to total rebuilds, we always deliver quality parts and outstanding service – regardless of make or model.

READY TO ROLL.

Whether it's a scheduled or forced outage, DESHAZO has the manpower to staff extra large jobs 24/7 to get you back into operation on time, on budget.



PARTS: We can provide OEM parts for all overhead cranes and hoist systems at competitive prices. We can also manufacture parts for any make crane or hoist in our ultramodern machine shop.

MAINTENANCE: To maximize availability and minimize operating costs, our factory-trained technicians can service facilities anywhere in North America to perform periodic maintenance on all overhead crane and hoisting equipment.

REPAIRS: When your cranes are down, so is your profitability. If your overhead crane or any other hoisting equipment breaks down, our service technicians can get you up and running quickly and efficiently.

REBUILDS: If your crane or hoisting equipment needs a component rebuild, we'll not only rebuild them, but we'll also restore them to factory specifications and give you an 'as new' warranty. With DESHAZO, you get all that for a fraction of the price of new equipment.

MODERNIZATIONS: Retrofitting can enhance production and operating efficiency while lowering your overall operating costs. We can provide you with a specifically engineered solution to update any overhead crane with the latest and most efficient technology.

INSPECTIONS: Our factory-trained service technicians are available to perform periodic inspections on all overhead cranes and hoists. Not only can we help make sure your equipment is in perfect working order, but we can also ensure that you meet even the toughest regulatory requirements (even OSHA).

SYSTEM SURVEYS: Beyond simple maintenance and repairs, we perform complete crane system surveys. We'll check the condition of everything from rails and runway systems to mechanical components, electrical control systems and everything in between.

REGIONAL OFFICES

- Birmingham, AL (HEADQUARTERS)
- Mobile, AL
- Indianapolis, IN
- Charlotte, NC



TESTIMONIALS

Namasco



"We have been buying from DESHAZO for about 20 years. They consistently provide a very reliable overhead crane and components to our specifications which have been competitively priced. Their start-up service and overall consistency of operation have been unequalled by any other manufacturer."

— Len Stark,



"DESHAZO has always been a very consistent and reliable new overhead crane and aftermarket parts and service provider for Nucor. They are always there when we need them."

— Chris Alexander



"They did everything they promised and more. On time, and within cost."

— Jack Dabbs



"They're the best on the planet. Their service is superior, and they are very competitively priced. I love these guys!"

— Dan Emmerson



"For our A-2 expansion project, we bought two additional cranes from DESHAZO because of the quality and workmanship of the previous purchases. DESHAZO provides outstanding service to ensure the cranes are operational at all times. The level of service provided by DESHAZO after the sale is superior."

— David G. Boegh

DON'T TAKE OUR WORD FOR IT, TAKE THEIRS.

CUSTOMERS

Over the years DESHAZO Crane has worked with a variety of companies. From large to small and nuclear to automotive, we have served them all with the same superior level of craftsmanship and integrity. Customer satisfaction is a top priority at DESHAZO, as you will see from some of our most recent testimonials.

Mercedes-Benz

ACIPCO

ThyssenKrupp

Southern Nuclear Co.

Ryerson

Northrop Grumman

Steel Dynamics

Honda

Metals USA

Maytag

Harley Davidson

Exxon



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