

Extend the Life of Your Machine

EnCORE PREMIUM REBUILD PROGRAM

EnCORE™

Rebuild. Repair. Remanufacture. Exchange.



Manitowoc®



Manitowoc Equipment is Built to Last.

NOT JUST FOR ONE LIFETIME, BUT FOR MULTIPLE LIFETIMES

Rebuilding your crane helps you extend your machine's life expectancy. That way, you get the most bottom-line value out of your original investment. With the EnCORE Premium Rebuild Program, you can return your equipment to like-new condition. The process includes everything from rebuilding boom cylinders, motors, or gearboxes to updating all hydraulic, mechanical, and electrical systems.

en•core

/ăn kôr/

A repeated or additional performance; a cost-effective way to give your crane a new life



Benefits of an EnCORE Premium ReBuild

Rebuilding your crane gives it a second life by restoring it as closely as possible to its original condition. It often provides a more cost-effective long-term alternative than performing multiple repairs.

► BETTER PERFORMANCE

The installation of new parts and components throughout the machine will restore its original performance and productivity levels.

► EXTENDED LIFE

Get the most value from your original investment by extending the time until you need a replacement machine.

► BETTER VALUE, LOWER COST

Rebuilds are a great way to improve performance and boost productivity at a fraction of the cost of buying a new crane.

► WARRANTY COVERAGE

An EnCORE Premium Rebuild comes with a one-year warranty, giving you extra protection and more peace of mind.

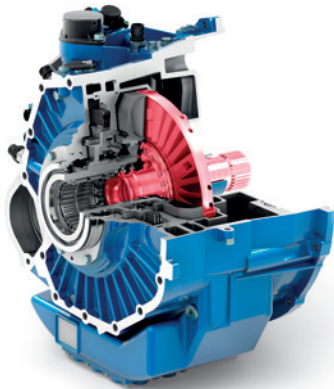
► BETTER RESALE VALUE

Get more for your rebuilt machine when it's time to sell it.

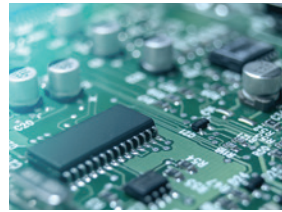


Elevate your crane's performance and longevity with our tailored overhaul parts packages.

**FROM INDIVIDUAL COMPONENTS TO FULL MACHINE
OPTIONS, WE CAN MEET YOUR NEEDS**



Overhaul Options



► ELECTRICAL OVERHAUL

Restores everything from your electrical components to wiring harnesses, revitalizing the machine.



► HYDRAULIC OVERHAUL

Restores like-new performance to your crane's hydraulic system.



► POWERTRAIN OVERHAUL

Experience like-new performance from key powertrain systems such as transmissions, axle assemblies, and suspension.



► MACHINE COMPONENT OVERHAUL

Revitalize individual components to improve performance, increase machine availability and extend the productive life of your equipment.

Our **High Standards** mean the job is done right.

Restoring a complete crane or key components to like-new condition is an extensive process done by EnCORE Certified Partners located throughout the world. Each location has highly trained specialists, including a structural engineer and certifications for welders. No matter where you go globally, your machine rebuild will be completed to the highest standard of excellence.

1

► THE ENCORE DIFFERENCE

What sets the EnCORE certified rebuild program apart.

2

► DETAILED EVALUATION

Complete examination of the crane using a comprehensive Manitowoc inspection form and report with pictures and a detailed scope of work.

3

► SUPERIOR QUALITY

All work is completed by trained EnCORE professionals with specialized equipment and stringent OEM quality standards.

6

► FULL WARRANTY COVERAGE

EnCORE Certified rebuilt cranes feature a full one-year warranty, covering parts and labor.

5

► PERFORMANCE TESTED

Your rebuilt machine is fully tested functionally and load-tested, if applicable. All testing is properly documented.

4

► NEW SERIAL NUMBER ON FULL CRANE REBUILDS

A new serial number with an "R" designation provides your rebuilt machine with a brand-new identity.

EnCORE Opportunities



Rebuild. Repair. Remanufacture. Exchange.

	Overhaul	Premium
Structural Work		
Blast to bare metal		Included
New or refurbished turntable bearing and new hardware		Included
All Outrigger beams inspected for cracks		Included
All Outrigger pins and shafts inspected and replaced as needed		Included
Bores and pin holes inspected. SRA requested as needed		Included
New lifting wire ropes installed	Optional	Included
All boom sections will be string-lined and inspected		Included
Hydraulic Work		
Cylinders replaced or rebuilt	Optional	Included
Pumps and motors replaced or rebuilt	Optional	Included
Hoist rebuilt with new clutch, brake, seals, bearings, gaskets	Optional	Included
All hydraulic hoses replaced	Optional	Included
Gearboxes inspected and reworked as needed	Optional	Included
New fluids, filters, and full annual service	Optional	Included
Valves will be reworked or replaced as needed	Optional	Included
Electrical Work		
Cab refreshed with new gauges, lights, fan, A/C, heater, and seat	Optional	Included
All wire harnesses replaced	Optional	Included
Modules rebuilt as possible	Optional	Included
Junction boxes will be replaced as needed	Optional	Included
Outside Lights (head, turn signal, strobe, beacon) will be replaced	Optional	Included
Joysticks will be repaired or replaced	Optional	Included
Batteries and fuse panels replaced	Optional	Included
Pressure and sending switches replaced	Optional	Included
Engine Work		
Engine recondition by OEM with 1 year OEM warranty	Optional	Included
New fluids, filters, and full annual service	Optional	Included
Exhaust system replaced	Optional	Included
Torque converter reworked	Optional	Included
ECM and electrical reworked	Optional	Included
Charge pump reworked or replaced	Optional	Included
Radiator and cooling system inspected and reworked as needed	Optional	Included
Powertrain Work - AT, RT, TM		
New tires	Optional	Included
Axles inspected and internals repaired or replaced as needed	Optional	Included
Cardan shafts/drive shafts reworked with new u-joints	Optional	Included
New drums, brakes, and brake lines installed	Optional	Included
Transmission (clutches, servos, gears, etc.) reworked	Optional	Included
Steering system reworked	Optional	Included
Pneumatic Work		
New tires (excludes Lattice Boom Crawlers)	Optional	Included
Air system (fittings & hoses) replaced	Optional	Included
Air valves reworked or replaced	Optional	Included
Air Cylinders reworked or replaced	Optional	Included
Crawler Work - Lattice Boom Crawlers		
Crawler intermediate rollers replaced or reconditioned	Optional	Included
Drives will be inspected and reworked	Optional	Included
Shafts inspected and replaced as needed	Optional	Included
Seals, washers, and hardware replaced	Optional	Included
Planetarys inspected and parts replaced as needed	Optional	Included
Travel brakes reworked	Optional	Included
Tumblers reworked as needed	Optional	Included
Crawler track pads replaced or reconditioned	Optional	Included
Boom Work - AT, RT, TM		
Boom torn down and inspected	Optional	Included
New boom wear pads and retraction/extension cables	Optional	Included
Sheaves replaced as needed	Optional	Included
Length reels replaced	Optional	Included
Angle Indicators reworked	Optional	Included
A2B stitches replaced	Optional	Included
upgraded is applicable on the model	Optional	Included
Boom Work - Lattice Boom Crawlers		
Structural inspection and repair of Butt and Top	Optional	Included
Sheaves replaced as needed	Optional	Included
Junction boxes replaced as needed	Optional	Included
Catwalks and climbing structures replaced as needed	Optional	Included
A2B system reworked	Optional	Included
Finish Work - All Machines		
New paint and decals	Optional	Included
Load charts updated	Optional	Included
Parts Manual updated with any system upgrades	Optional	Included
Additional EnCORE Benefits		
One year full warranty		Included
One year parts warranty	Included	Included
New "R" Serial Number assigned with current year as model year		Included

Financing Your EnCORE Rebuild

Manitowoc Finance makes it easy to invest in this second life with flexible, tailored financing options designed specifically for EnCORE Overhauls and Premium Rebuilds.

► NO UPFRONT CASH OUTLAY

Avoid the standard upfront payment typically required.

► DEFERRED PAYMENTS

No payments required until the crane is rebuilt and ready to work.

► FLEXIBLE TERMS

Finance your rebuild over a longer term with low monthly payments.

► EASY APPLICATION PROCESS

Streamlined documentation and fast credit decisions.

For more information, contact your local Manitowoc, Grove, or Potain dealer.

Contact an EnCore Support Specialist For More Information

Manitowoc has nearly 500 technicians globally, based out of 46 Service Locations, in addition to our third-party distribution partners. We can find a solution to complete your EnCORE job, no matter where in the world your crane is.

For more information on EnCORE, contact your local Grove, Manitowoc, or Potain dealer, dial +1 717-593-2000 and press 5 for EnCORE, or contact us at EnCORE@manitowoc.com.