



# WORLD CLASS

## REBAR FABRICATION EQUIPMENT



CUTTING SYSTEMS



AUTO BAR BENDERS



TABLE BENDERS



STIRRUP BENDERS








MATERIAL HANDLING



## Since 1986, KRB has been a leader in rebar fabrication equipment and material handling systems around the world.

**KRB designs and manufactures complete rebar cutting, bending and material handling systems that are built to last. Our customers continue to operate their KRB Machinery for decades after their initial purchase. KRB Machinery has been chosen to support the construction for the Panama Canal, nuclear facilities, bridge and dam projects, Olympic stadiums, Apples' Corporate Offices, the Qatar World Cup, Gravity Based Offshore Platforms, Wind Farms and many more.**

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## Built to Last

KRB Machinery is Built to Last. KRB offers reliability you can count on to avoid down time and ensure that projects are completed on schedule. KRB has a full line of modular rebar fabrication solutions. From rugged cutting systems to robust Auto Bar Benders and Table Benders, KRB systems are designed to reduce labor, increase output and improve operator safety.

## Our Customers

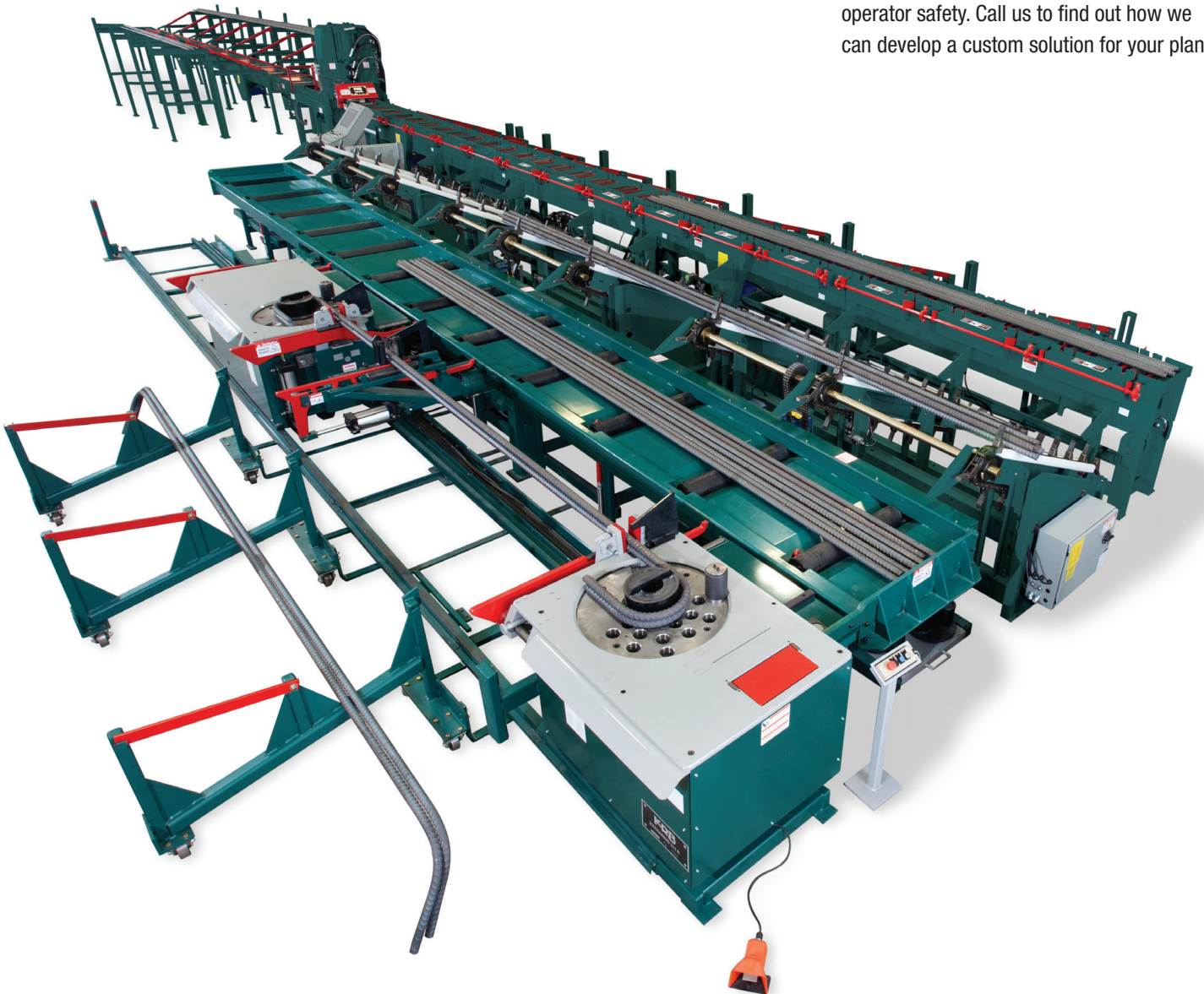
KRB Machinery has been selected by some of the largest steel mills, rebar fabricators and construction companies in the world. Mills including CMC, Arcelor Mittal, Nucor, fabricators like Harris Rebar and AGF, construction companies like Odebrecht, Larsen & Toubro and precasters like Oldcastle have all selected KRB equipment for its quality and long machine life.

## Our Reach

KRB equipment operates in 55 countries at over 1500 installations. Our American made shearlines are regarded as the best in the world and are in use on every continent.

## Material Handling Experts

Our experts work with you to develop labor reducing ways to speed more material through your plant. We design and build innovative systems that help eliminate bottle necks, reduce crane lifts and increase operator safety. Call us to find out how we can develop a custom solution for your plant.







The expansion of the Panama Canal will allow super tankers to pass through the third lane locks.

## The Panama Canal expands with the help of KRB machinery

## PROJECT STORY

KRB Equipment has been selected for the largest construction project in the world. The Expansion of the Panama Canal.

The project consists of the construction of a third wider lane, with two new sets of locks - one on the Pacific and one on the Atlantic side of the Canal. Each lock will have three chambers and each chamber will have three water reutilization basins. The locks and water basins are expected to contain 250,000 tons of reinforcing steel.

The steel fabrication and placement will be done by Armacentro of Madrid, Spain. They are involved in major projects throughout the World. [www.armacentro.com](http://www.armacentro.com)

After considering proposals from the leading equipment suppliers KRB Machinery was selected because of its ability to meet the intense requirements of this project.

One of the largest and most difficult engineering projects ever undertaken, the canal has had an enormous impact on shipping between the two oceans, replacing the long and treacherous route via Cape Horn at the southernmost tip of South America. A ship sailing from New York to San Francisco via the canal travels 9,500 km (5,900 mi), well under half the 22,500 km (14,000 mi) route around Cape Horn.





KRB equipment was selected for cutting and bending the reinforcing steel for the Apple 2 campus project.

KRB Machinery was selected for cutting and bending the exacting tolerances for the precast elements in the Apple Campus 2 project. The Apple Campus 2 is an integrated, unified and secure 21st Century campus surrounded by green space. This new development will provide a serene environment reflecting Apple's brand values of innovation, ease of use and beauty. The entire 176-acre site will be redeveloped with sustainable, state-of-the-art office, research and development facilities.

The project consists of many precast elements that need to fit the exacting requirements of the curved design. There are four stories and two below ground floors for parking supported by reinforced concrete structures. There will also be separate above ground parking structures constructed with reinforced precast elements.

The entire Campus, indoors and out, is intended to promote shared creativity and collaboration, and spur invention of the next several generations of Apple products.

The signature Main Building accommodates up to 12,000 employees and comprises approximately 2.8 million square feet in four stories, resulting in a significant reduction of overall building footprint when compared to the facilities that exist on the site. The Main Building is located and designed to minimize the visual impact on adjacent residential neighborhoods and to enhance the existing deep landscape setbacks at the periphery.

## Apple Campus 2 reinforced with KRB machinery

## PROJECT STORY

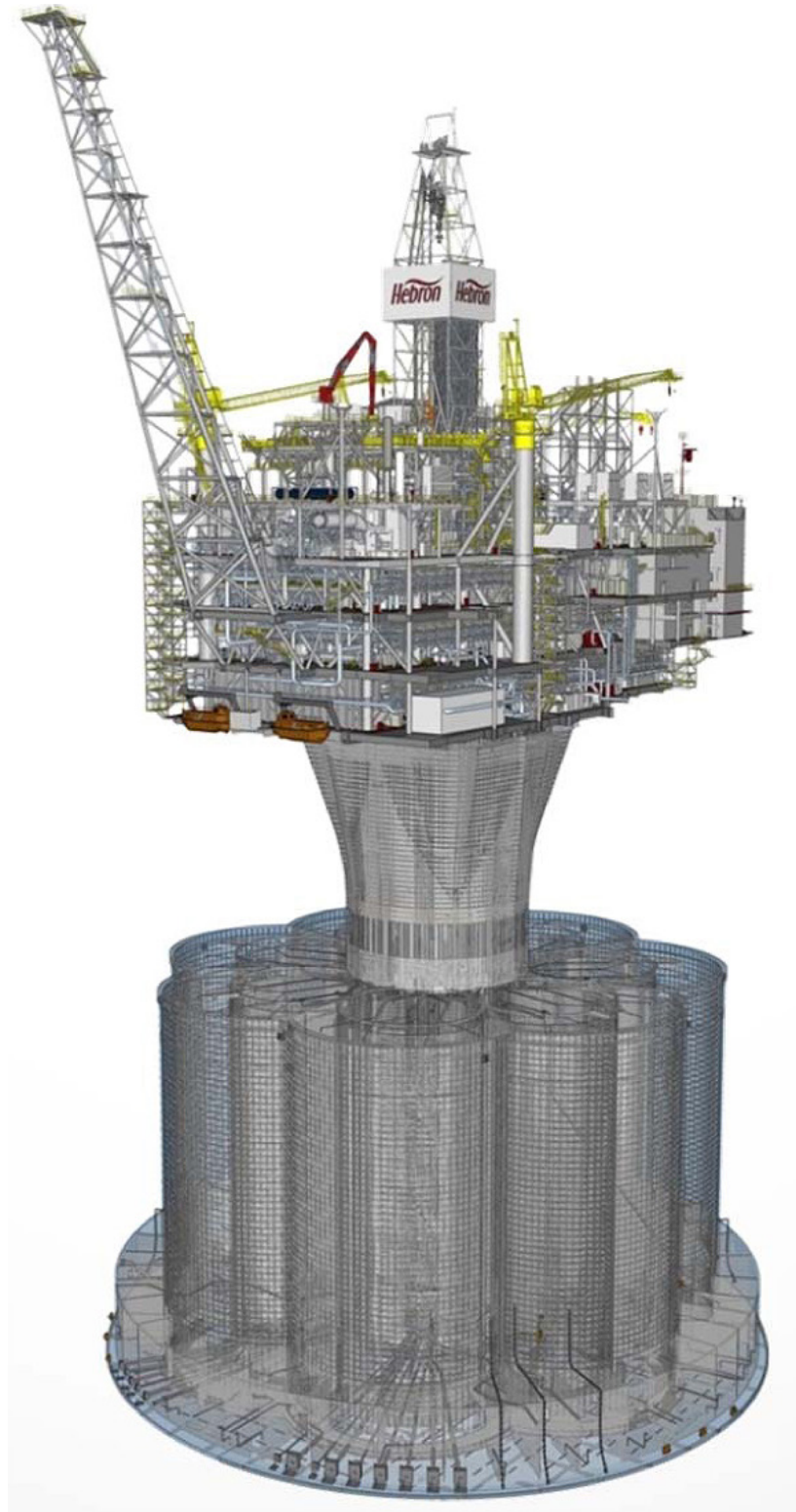
## AGF is building energy resources to last

The Hebron Project is the surveying, engineering, procurement, construction, installation, commissioning, development drilling, operations and maintenance, and decommissioning of an offshore oil production system off the coast of Newfoundland Labrador.

The project is being developed by a conglomeration of companies including, ExxonMobil Canada Ltd., Chevron Canada Limited (Chevron), Petro-Canada, StatoilHydro Canada Limited (StatoilHydro), and Oil and Gas Corporation of Newfoundland Labrador.

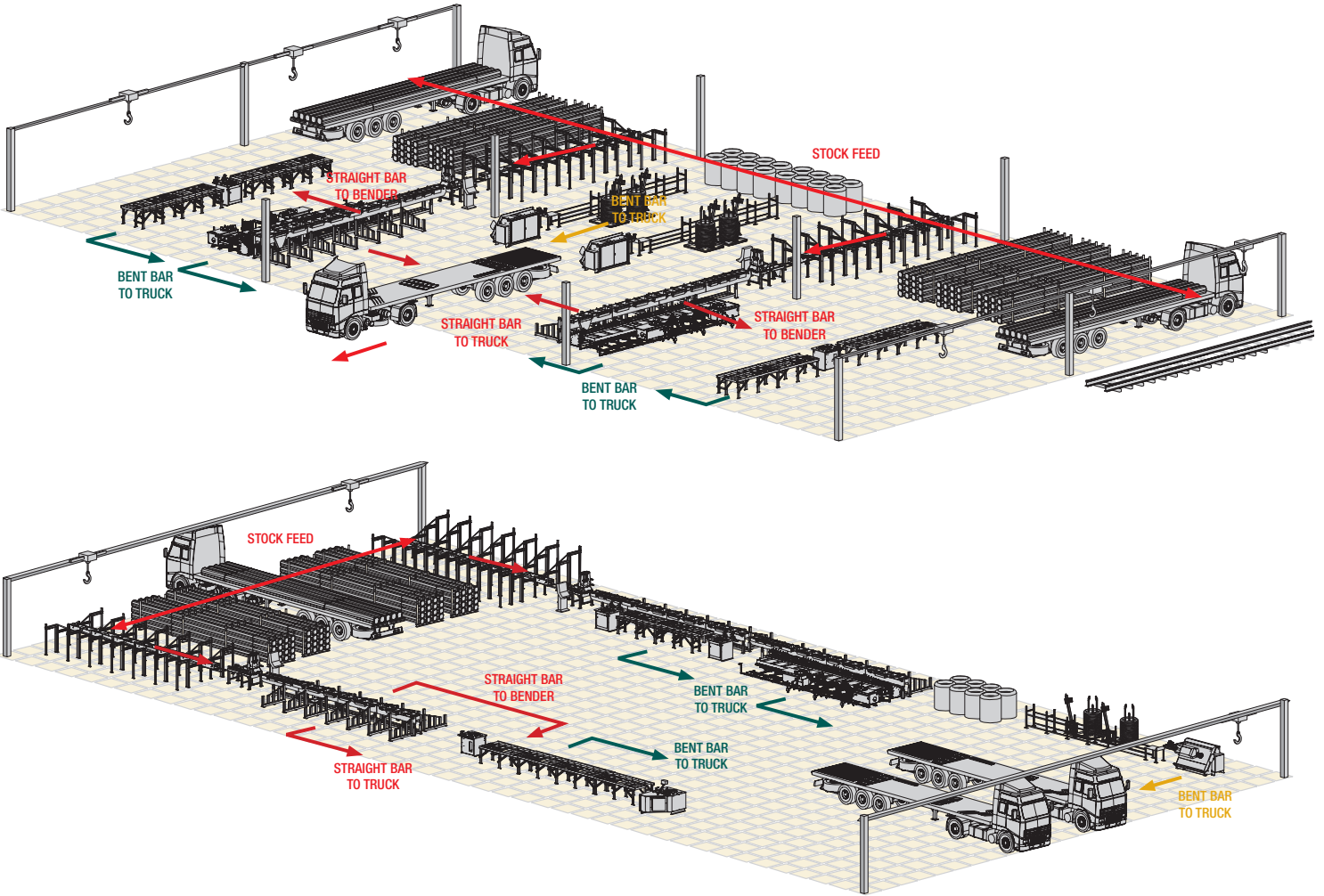
The underwater section is known as a Gravity Based Structure (GBS). It will be a concrete reinforced structure designed to withstand sea ice, icebergs, and meteorological and oceanographic conditions at the offshore Hebron Project Area. The GBS base will be cast onshore by AGF using up to 50,000 tons of rebar. The GBS will then be floated out to a deep water construction site approximately 300 km off the coast from St. Johns Newfoundland Labrador. There the final construction of the GBS will be completed.

## PROJECT STORY



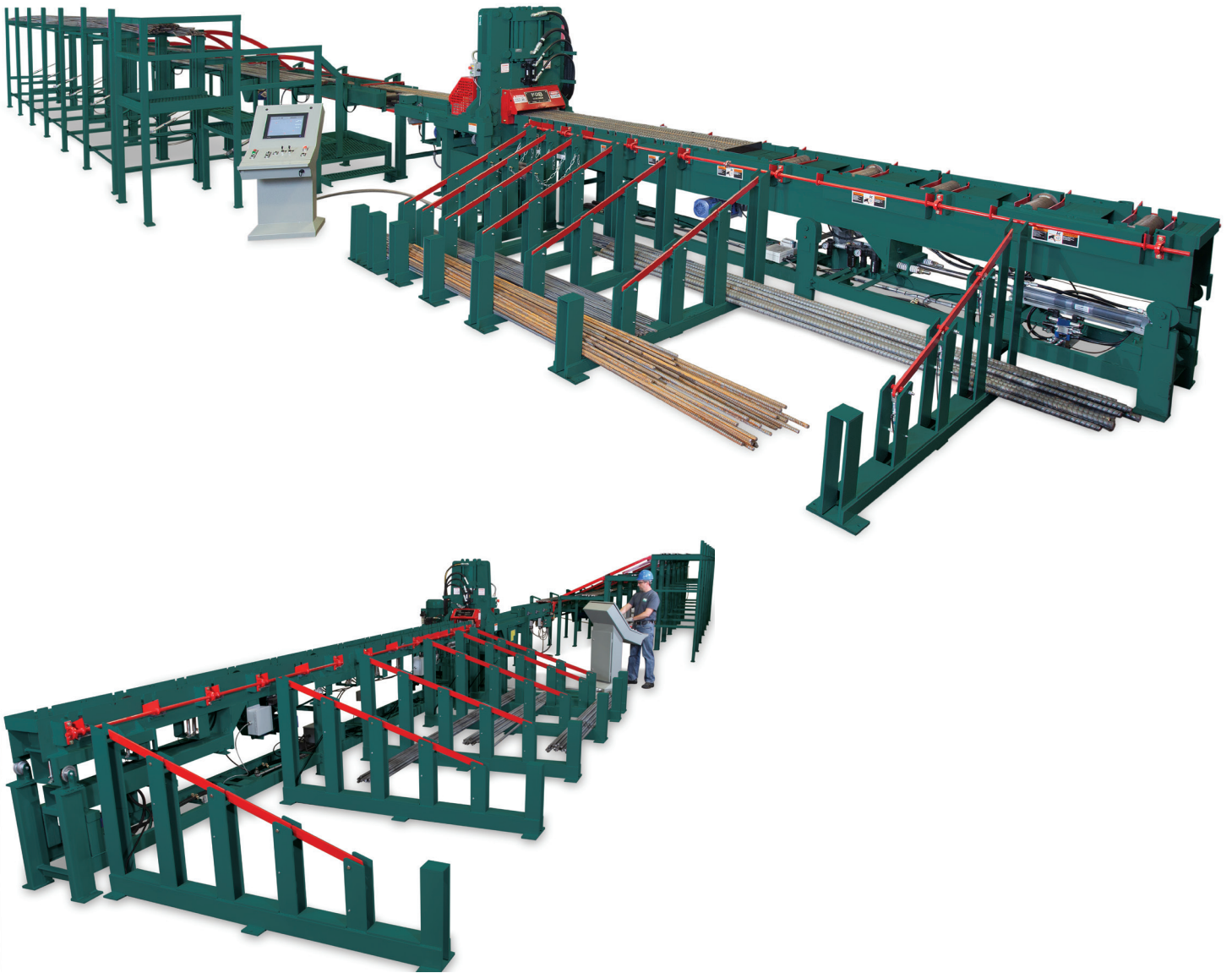
KRB equipment is being used to cut and bend the 50,000 tons of rebar used in the Gravity Based Structure (GBS) that will support the topside modules as well as house oil during drilling operations.





# REBAR SHOP OPTIMIZATION

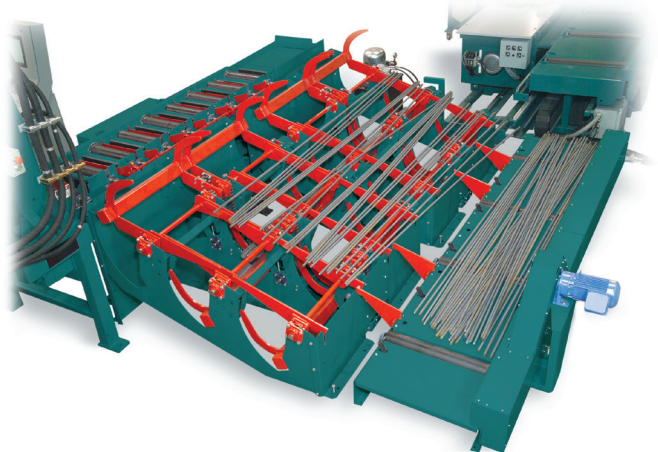
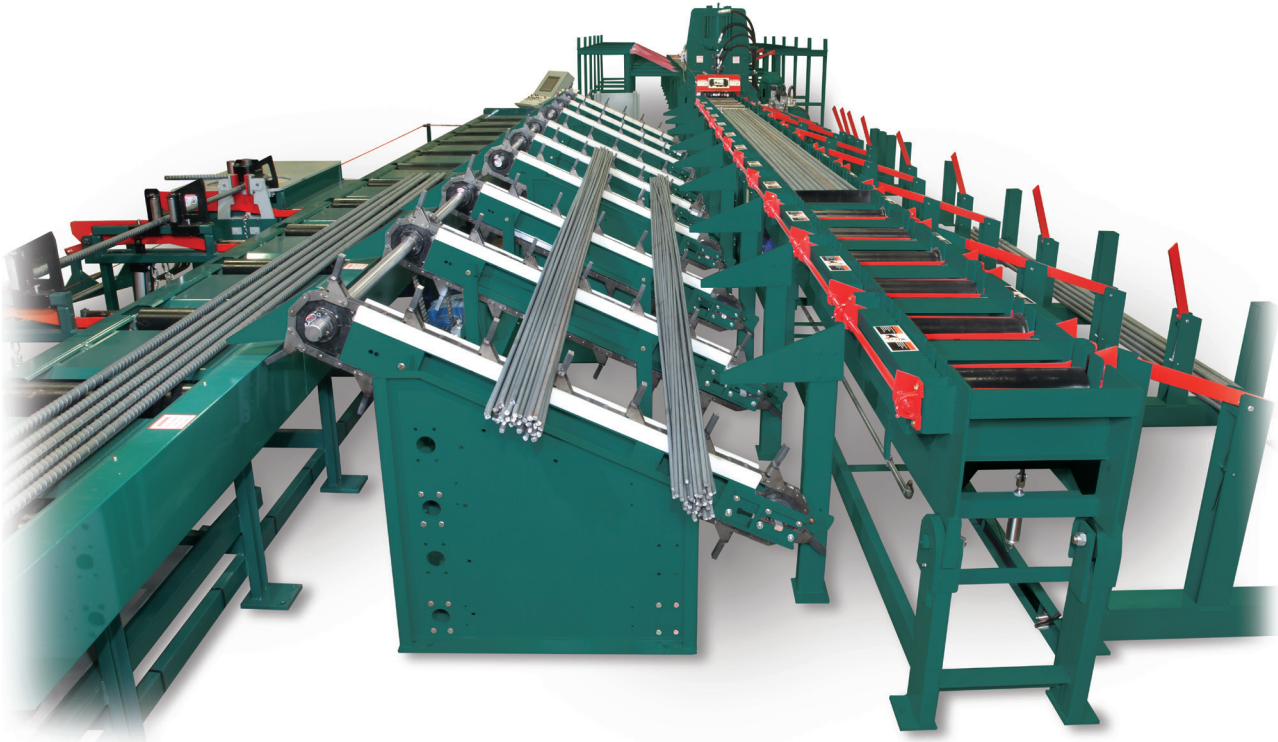
Every KRB proposal is engineered to your specific requirements with the best mix of shearing, bending and material handling equipment. KRB designs each shop based on your production needs, space requirements and budget.



## CUTTING SYSTEMS

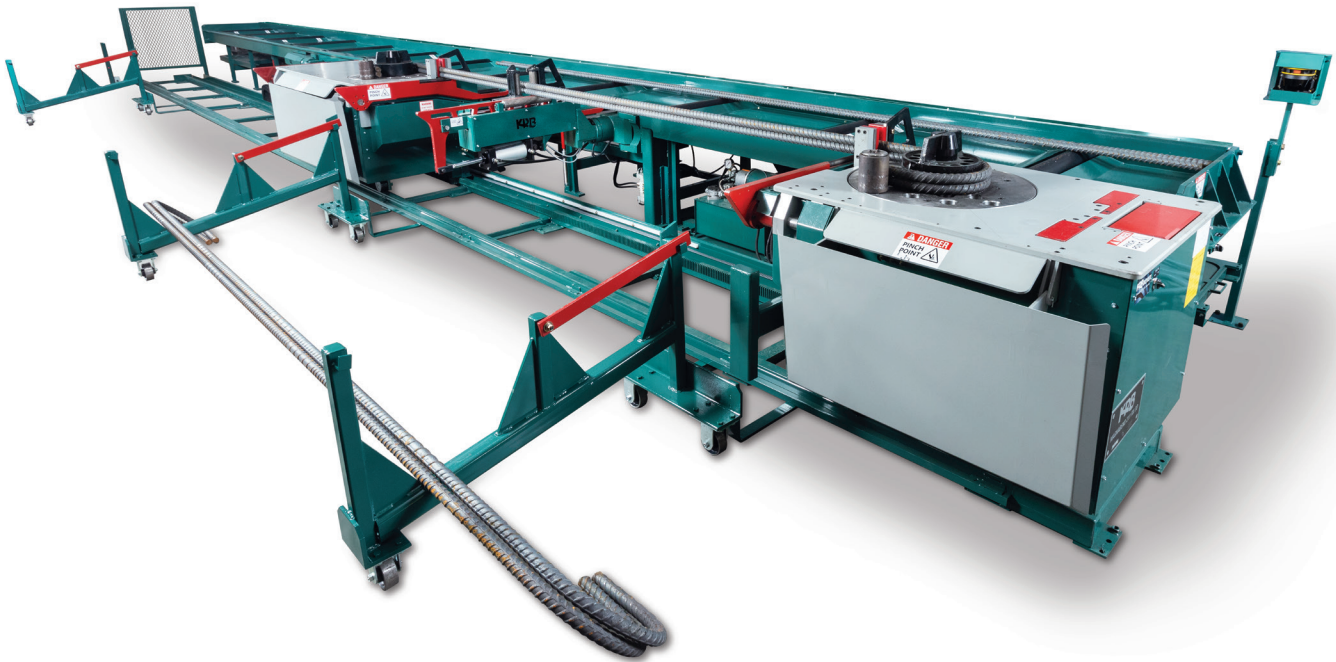
Our cutting systems are the premier choice around the world for rebar shearing and cutting. Our modular designs allow us to build a system to best meet your production needs, or if your needs change, expand on your existing system. Increase throughput and your bottom line while saving operator fatigue and increasing operator safety.





## MATERIAL HANDLING

KRB has material handling systems designed to speed material throughout your cutting and bending operations. Reduce crane lifts, operator fatigue and repetitive motion injuries. KRB partners with you to build a solution that helps you realize your production goals within your budget.



## BENDERS

Our benders are high cycle, heavy duty production machines.

We have a full line of Auto Bar Benders, Automatic Stirrup Benders, and Table Benders to choose from. Program multiple shapes into our easy-to-use control systems. Machine set-up is fast and easy, reducing down time and operator errors.