



**ENGINEERED  
RIGGING**

# **INNOVATIVE INFRASTRUCTURE SOLUTIONS**

**HEAVY LIFTING EQUIPMENT RENTAL**

**ENGINEERING SERVICES**

**TECHNICAL SUPPORT**

[EngineeredRigging.com](http://EngineeredRigging.com)

**ENGINEERED RIGGING** offers engineering, heavy lifting equipment rentals, innovative rigging solutions, and technical support services. We can complement your team by supplying the specialized tools and engineering expertise needed to enhance profitability, safety, and overall project success.

## CONTACT OUR HEAVY LIFTING EXPERTS

**Contact us to discuss your specific equipment needs:**



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## WE EXPEDITE CIVIL CONSTRUCTION PROJECTS

Engineered Rigging puts our engineers and equipment to work to reduce downtime, minimize disruption, and optimize safety for infrastructure projects of all types including bridges, ports, highways, and subways.



We dedicate time to understand the unique complexities of your project and apply innovative thinking and decades of heavy lifting experience to overcome the most daunting logistical challenges. When needed, our engineers combine modular components to create a customized system to meet your specific needs.



By offering equipment rental, in-house engineering services, and technical support, we can streamline your project to save you time and money. Call 844.474.4448 to start the conversation and request a quote.



ENGINEERING SERVICES



## CANTILEVER SEGMENTAL BRIDGE LIFT (CSBL)

This heavy lifting innovation was designed to accelerate bridge construction in a safe, economical, and efficient way. It lifts and holds concrete bridge segments in place over water when a crane isn't feasible. The system cantilevers off the last segment of the bridge that was constructed over land. Once the new segment is in place over the waterway, the CSBL is then relocated to the newly installed bridge section so that the next concrete bridge span can be lifted into position.

- Compact footprint
- Precise synchronous control
- Each strand jack has a lifting capacity of 17 to 1,405 tons
- Up to 60 strand jacks can be operated simultaneously
- System is controlled by a single operator from a central location
- Powered by diesel or electric hydraulic power packs

### APPLICATION

Bridge construction

# JS500 JACK-UP SYSTEM

This powerful incremental lifting system provides a synchronous lift for heavy loads. Lifting barrels are stacked together to mechanically hold the load while the computer control optimizes precision and safety.

LOAD CAPACITY	2,200 tons
MAX. SIDE LOAD	4% at 49.2 ft
MAX. LIFTING HEIGHT	50 ft
MAX. LIFTING SPEED	14 ft/hour

## APPLICATIONS

- Bridge construction & demolition
- Highway overpass construction
- Airport elevated walkway installation
- Port crane lifting



TECHNICAL SUPPORT



## STRAND JACK SYSTEMS

Strand jacks are widely recognized as the most sophisticated heavy lifting solution. They are used around the world whenever a conventional crane is not practical or economical.

- Each strand jack has a lifting capacity of 17 to 1,405 tons
- Up to 60 strand jacks can be operated simultaneously
- System is controlled by a single operator from a central location
- Powered by diesel or electric hydraulic power packs
- Compact footprint
- Precise synchronous control

### APPLICATIONS

Bridge construction & demolition  
Bridge launching  
Falsework removal  
Port crane lifting  
Railroad bridge span replacement



# POWER SLIDE SYSTEM

Comprised of skid shoes powered by hydraulic push/pull cylinders over high-strength track sections, this modular system is ideal for moving large components such as prefabricated bridge or overpass spans, turbines, generators, transformers, and more.

LOAD CAPACITY	50 to 2,000+ tons
HEIGHT	4-8 inches
SKID SHOES	Light-duty to 125-ton shoes
Shipping	Standard systems fits in a 20-foot container

## APPLICATIONS

- Bridge construction
- Highway overpass construction
- Subway construction





## RAPID RAIL BRIDGE REPLACEMENT SYSTEM

The system enables railroads and their maintenance contractors to remove and replace a railroad bridge span in a single day. In addition to substantial time savings, the system provides a safer method for bridge replacement than traditional hydraulic cylinder approaches.

- 250-ton and 500-ton models available
- Top-of-rails design eliminates the need for extensive below-rail modifications to adjacent sections
- Enclosed lift girder doubles as a safe passageway, enabling crews to cross from one side of the bridge to the other once the span is removed
- Modular design eases handling, shipping and setup

### APPLICATION

Rail bridge repair