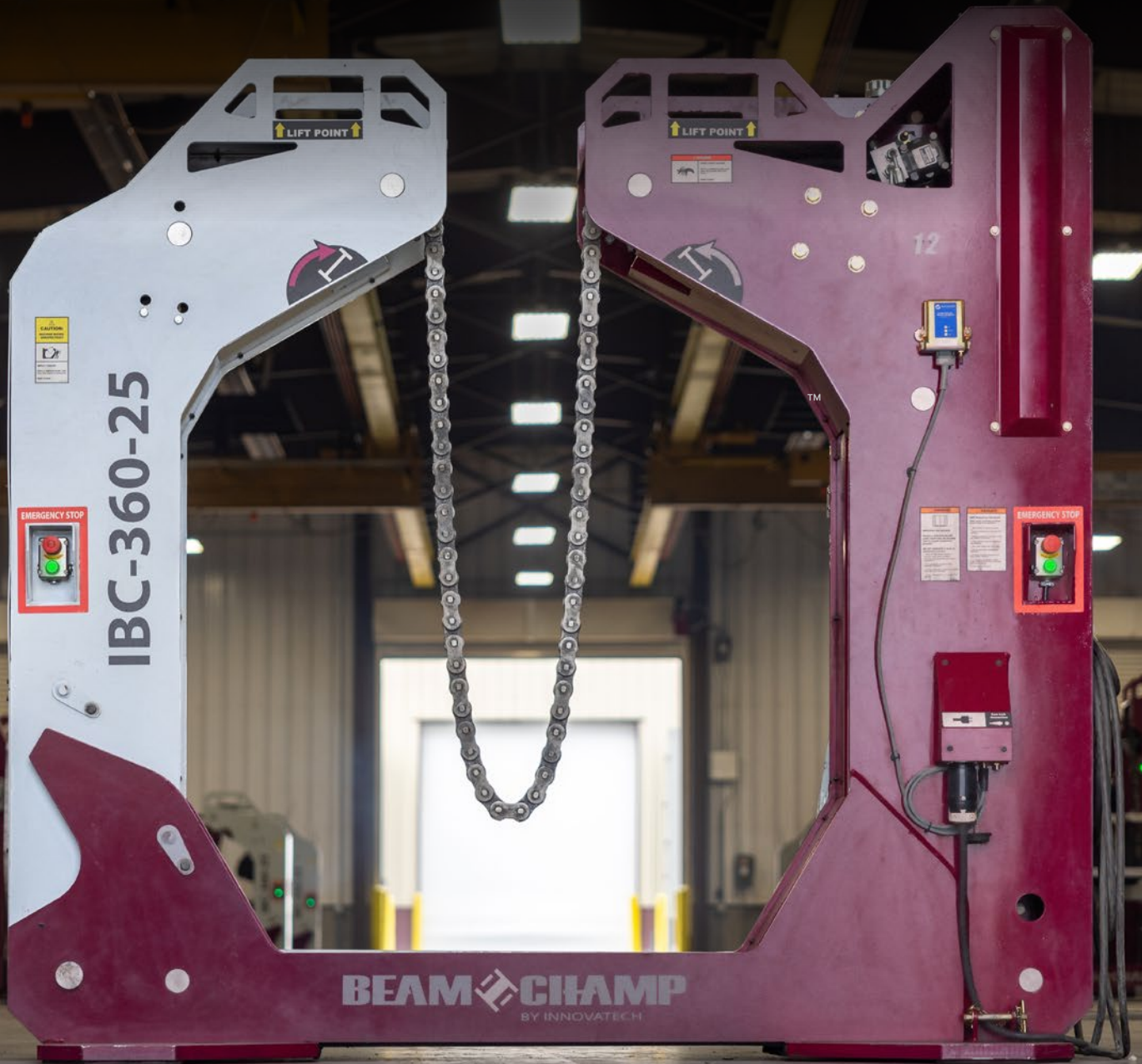


# BEAM CHAMP<sup>®</sup>

BY INNOVATECH<sup>®</sup>



# SAFETY. ACCESS. EFFICIENCY.



## CHALLENGE

Accessing each side of a heavy steel beam for welding work can be time consuming, cumbersome, and even threaten team-member safety. Some rotator solutions have been created by other companies, but they don't address many practical needs like opening for placement and removal of the beam or holding the beam in place while workers weld or configure the beam. A new approach was needed.

## SOLUTION

Innovatech created the patented Beam Champ® System, where a beam is cradled on a chain and rotated within two or more Beam Champ units as the chain moves. The Beam Champ is designed to eliminate many problems experienced in the use of other beam rotators. These improvements include the vertical jaw arm which opens the Beam Champ for the placement or removal of a beam, as well as the support arm which holds the beam in place while workers weld or configure the beam.

## PRODUCTIVITY INVESTMENT

### Boosting Productivity & Safety

Integrating a set of Beam Champs into welding operations can result in a 20% increase in productivity and improved workplace safety. With ergonomic weld platforms, the Beam Champ enhances employee comfort and reduces the risk of injury, contributing to higher retention rates. Additionally, the system streamlines processes by eliminating the need to move materials across the shop, optimizing overall efficiency and output.

### Value Added:

- **Productivity and Flexibility:** Streamlined processes for higher efficiency.
- **Safer Operations and Healthier Employees:** Ergonomic improvements lead to fewer injuries.
- **Reduced Risk and Higher Employee Retention:** A safer, more comfortable workplace fosters loyalty.

**“Integrating a set of Beam Champs into welding operations can result in a 20% increase in productivity”**

## SAFETY FIRST

### Operator Training & Safety

The Beam Champ steel beam rotator system improves operator safety, assisting welders as they manipulate massive joists and I-beams, **eliminating the need for forklifts or overhead cranes** to rotate steel.

An operators' manual provides descriptions of safety requirements and brief descriptions of controls, indicators, and instruments to assist the operator.

There are four (4) emergency stops on each Beam Champ, one near each corner of the machine. If any one of the E-Stops are depressed, the entire Beam Champ or set of Beam Champs will stop immediately.

## DIMENSIONS, WEIGHT & CAPACITY

### BEAM CHAMP® 30

Description	Jaw Closed	Jaw Open
Length	97 in	129 in
Height	94 in	96 in
Width	48 in	48 in
Net Weight	5,500 lbs	
Weight Capacity (per unit)	15,000 lbs	

### BEAM CHAMP® 50

Description	Jaw Closed	Jaw Open
Length	96.5 in	120 in
Height	92 in	92 in
Width	48 in	48 in
Net Weight	5,700 lbs	
Weight Capacity (per unit)	25,000 lbs	

## KEY ADVANTAGES

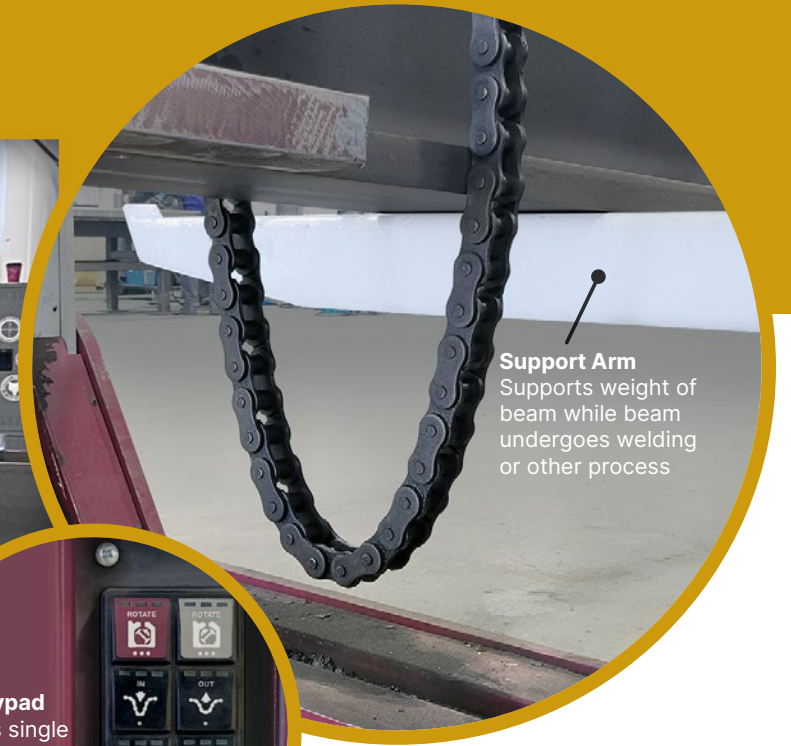
**Larger Capacity** – 30,000 or 50,000 lbs per pair depending on model.

**Stabilization Arm** – A key feature. Maintains beam stability after rotation and while team is welding.

**Chain** – Improved durability and longevity than rotators with straps.

**Proprietary Jaw Opening** – Easier for loading and unloading.

**Individual Chain Motion Between Units** – Beam can be oriented on a slant while maintaining all functionality.



## ENHANCED FEATURES

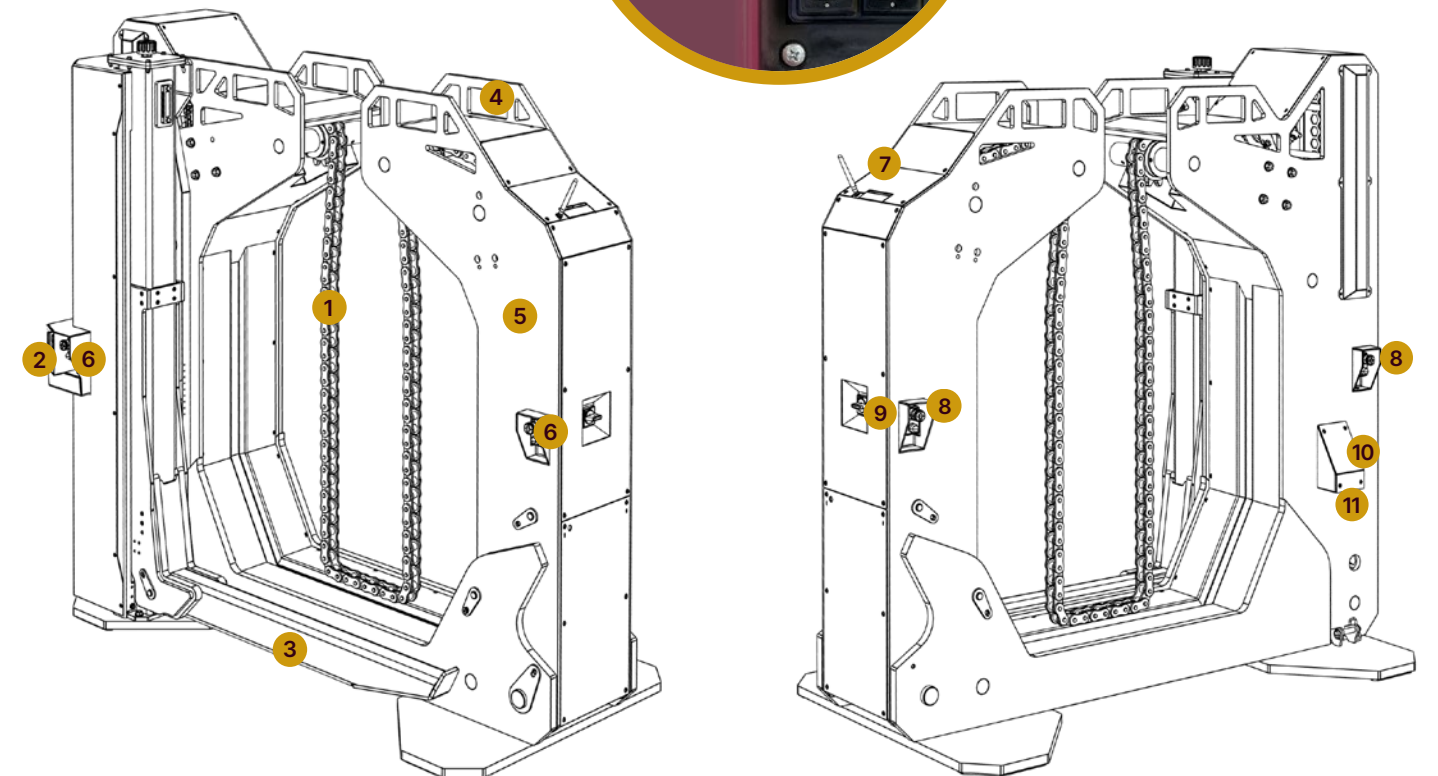
The Beam Champ steel beam rotator system synchronizes multiple units to rotate a single beam, minimizing cabled connections with an available wireless pairing module (optional).

The workpiece is securely cradled within the chain and remains captive while rotating thereby eliminating unsafe shifting.

Enhancing workplace safety and efficiency in steel fabrication shops, Beam Champ offers improvements such as the vertical jaw arm for easy beam placement and removal, and the support arm for stabilizing workpieces during welding.

## EQUIPMENT OVERVIEW

1	Remote Chain	Supports the weight of the beam during rotation and rotates the beam
2	Unit Keypad	Controls single Beam Champ unit
3	Support Arm	Supports weight of beam while undergoing welding or other process
4	Lift Pocket	Provides lift point for moving and positioning
5	Vertical Jaw Arm	Opens "throat" of Beam Champ for placement or removal of beam
6	Emergency Stop	Stops motion of all Beam Champs in set
7	Wireless Remote Connection	Connects to control one or more Beam Champs
8	Emergency Stop	Stops motion of all Beam Champs in set
9	PowerSwitch/ Lockout Point	Provides power on/off switch and lockout point
10	Power Inlet Connector	Connects to power supply
11	Communication Cable Connection	For simultaneous control



## SMOOTH OPERATION

### Ultimate control at your fingertips.

Beam Champ 30's engineering streamlines the process of rotating steel by enabling operators to move freely around the beam using a wireless remote\*. Without the need to be tethered to a wired control with limited reach or confined behind a fixed console, operators enjoy enhanced visibility, contributing to increased team safety.

The system is intended to consist of two or more connected units. Each unit's keypad controls that specific unit (except the rotation functions), while the wireless remote controls the connected set of units simultaneously.

Operators are able to fine tune the position of the steel independent of the wireless remote keypad by using the control located on each unit.

Beam Champ was developed to accommodate the largest industry-standard size, W44.

\*Wireless remote available as an upgrade for the Beam Champ 30 model.

## SERVICE, SUPPORT & RELIABILITY

### Peace of mind.

Innovatech stands behind its products, and Beam Champ is no exception. Offering on-site or live video calling. Access to 24-hour technical support maximizes equipment up-time.

### Engineered to last.

Beam Champ is designed and built in the U.S.A. using quality materials made to handle the most rigorous demands of the steel-fabrication industry. Years of engineering and design experience is evident in the Beam Champ's performance and durability.

**"The Beam Champ 30 offers all the great features of the 50, with enhanced manageability and accessibility. It's an ideal solution for most steel shops."**





**BEAM CHAMP**<sup>®</sup>  
BY INNOVATECH<sup>®</sup>



Learn more at  
[INNOVA.TECH](https://www.innova.tech)

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