



**MAXIM**  
Crane Works, L.P.  
1-877-MAX-LIFT

*Highlights*

# GTC-1600

LONGER. STRONGER. SMARTER.

US EPA TIER4F / EU STAGE V



AT A GLANCE

# LONGER. STRONGER. SMARTER.

## GTC-1600

Max. lifting capacity:  
**160 ton @ 8 ft**

Main boom:  
**42.8 ft - 200.1 ft**

Boom extension:  
**11.8 ft / 33.8 ft/  
59.1 ft / 105 ft**

Max. lifting height:  
**302 ft**

Maximum radius:  
**220 ft**

Engine:  
**Cummins B6.7  
US EPA Tier4F /  
EU Stage V**



## Reaching New Heights

EXPANDS CAPABILITY OF GTC SERIES

Page 6

## Ready to work wherever it's needed

SUITED FOR A VARIETY OF APPLICATIONS AND CONDITIONS

Page 8

## Optimized design for stability and performance

BOOM & JIB

Page 10

## Automatic chart switching for ground angle, track position and swing zone

AML-E CONTROL SYSTEM

Page 12

## Exceptional all-terrain operation

TRACKS

Page 14

## Maximized track drives supply high traction force in challenging terrain

ENGINE

Page 16

## Always available in case you need it

SERVICE

Page 17

## Rapid Deployment

TRANSPORTABILITY

Page 19

## Why your investment in Tadano cranes is worthwhile

INVESTMENT OR SAFETY? WHY DON'T YOU JUST TAKE BOTH!

Page 21

## We know what we're doing

WITH MORE THAN 40 YEARS OF EXPERIENCE BUILDING TELESCOPIC CRAWLER CRANES

Page 22

▶ The GTC-1600 features a 6-section boom (up to 200.1ft) designed for flexibility – with higher, longer capabilities for lift work, while also enabling out-of-level and pick-and-carry work. The main boom is complemented by a 33.8 ft / 59.1 ft bi-fold jib with offsets up to 40°. The GTC-1600 out-of-level operation is enhanced by market-leading capacities on up to 4° slopes and automatic load chart switching. Equipped with OPTI-WIDTH™, this 160-ton capacity machine is capable of limitless combinations –symmetrical and asymmetrical track width setups with no requirement for pinning of the track frames in fixed positions.



An aerial photograph showing a blue cable car with a red and white striped American flag on its side, suspended by cables from a large black structure in the upper right. The cable car is positioned over a muddy, construction-like terrain with visible tire tracks. In the background, there is a grassy hillside. The text "THE GTC-1600. AT HOME IN EVERY TERRAIN." is overlaid in white, bold, sans-serif font in the lower-left quadrant.

**THE GTC-1600.  
AT HOME IN  
EVERY TERRAIN.**







LONGEST TELEBOOM IN THE MARKET, EXPANDS CAPABILITY OF GTC LINE

# REACHING NEW HEIGHTS

Filling a gap in the telescopic boom crawler market, the GTC-1600 offers 160-ton capacity with the latest market-leading features and benefits. This model increases the lifting options of the popular GTC models and expands the respected product line to seven versatile machines.

## INSIGHT



The GTC-1600 also offers out-of-level operation up to 4° slopes and automatic load chart switching. And, this crane's positive control with power limiting hydraulic system allows for travel, extend tracks, telescope boom and winch operation all at the same time.

Boasting the longest boom in the under 250 ton teleboom crawler class, the GTC-1600 is equipped with the next generation of telescoping hydraulic boom with up to 200.1 ft of lift height and 33.8 ft / 59.1 ft bi-fold jib with offsets up to 40°. The GTC-1600 also offers out-of-level operation up to 4° slopes and automatic load chart switching. Its powerful hydraulic track extend system quickly adjusts operating widths for flexible operation. And, this crane's positive control with power limiting hydraulic system allows for travel, extend tracks, telescope boom and winch operation all at the same time.

## KEY SPECIFICATIONS

### GTC-1600

Capacity:

**160 ton @ 8 ft**

Boom:

**42.8 ft – 200.1 ft**

**6 section, single cylinder with pinning system**

Jib:

**33.8 ft/ 59.1 ft Bi-fold Offsets up to 40°**

**Optional 11.8 ft Heavy Lift Jib Offsets up to 40°**

**Optional lattice inserts – 2 pcs @ 23' each**

Gross Vehicle Weight:

**254,200 lb**

Counterweights:

**Upper = 70,100 lb**

**Carbody = 25,520 lb**

Travel:

**0.6 mph / 1.6 mph**

**52% unladen**

**gradeability**

**13.9 psi unladen GBP**

Tracks:

**12 ft retracted**

**19 ft extended**

Engine:

**Cummins B6.7**

**326hp @ 2,200 RPM**

**US EPA Tier 4f/ Euromot Stage V emissions**

LMI:

**Tadano AML-E2**

**Auto Switching 0.5°, 1.5°, 2.5° & 4.0° slope loadcharts**

**Work zones with soft stop**

Telematics:

**Tadano Hello-Net**

# Under 12' 0"

Transport Width

## Self Erecting Counterweights

with Radio Remote Control

SUITED FOR A VARIETY OF APPLICATIONS AND CONDITIONS

# READY TO WORK WHEREVER IT'S NEEDED

The GTC-1600 has higher, longer capabilities for lift work, while also enabling out-of-level and pick-and-carry work. It is well-suited for rental use, as well as for a variety of construction and specialty lift work applications,

## HEAVY CIVIL

The GTC-1600 has higher, longer capabilities for lift work, while also enabling out-of-level and pick-and-carry work. Those strengths work well on projects with structures, bridges, barriers, retaining/sound walls, concrete buckets, tilt work and railways.

## ALTERNATIVE ENERGY

Wind farms are getting bigger and bigger, and the GTC-1600 has the ability for major lifting and can serve as a support crane to a giant lattice machine on the projects. It also excels with the difficult ground conditions these jobs can present.

## MARINE

The GTC-1600 is valuable for projects on or near the water, or in a confined space. With no outriggers to deploy, this crane can work in a smaller footprint. Also, charts are available for working on barges.

## POWERLINE WORK

Tadano teleboom crawlers have been a go-to machine for transmission and distribution construction for years. Whether it's the 200-foot boom or the ability to operate successfully on challenging terrain, the GTC-1600 is a perfect fit for power.

## OIL AND GAS INDUSTRIES

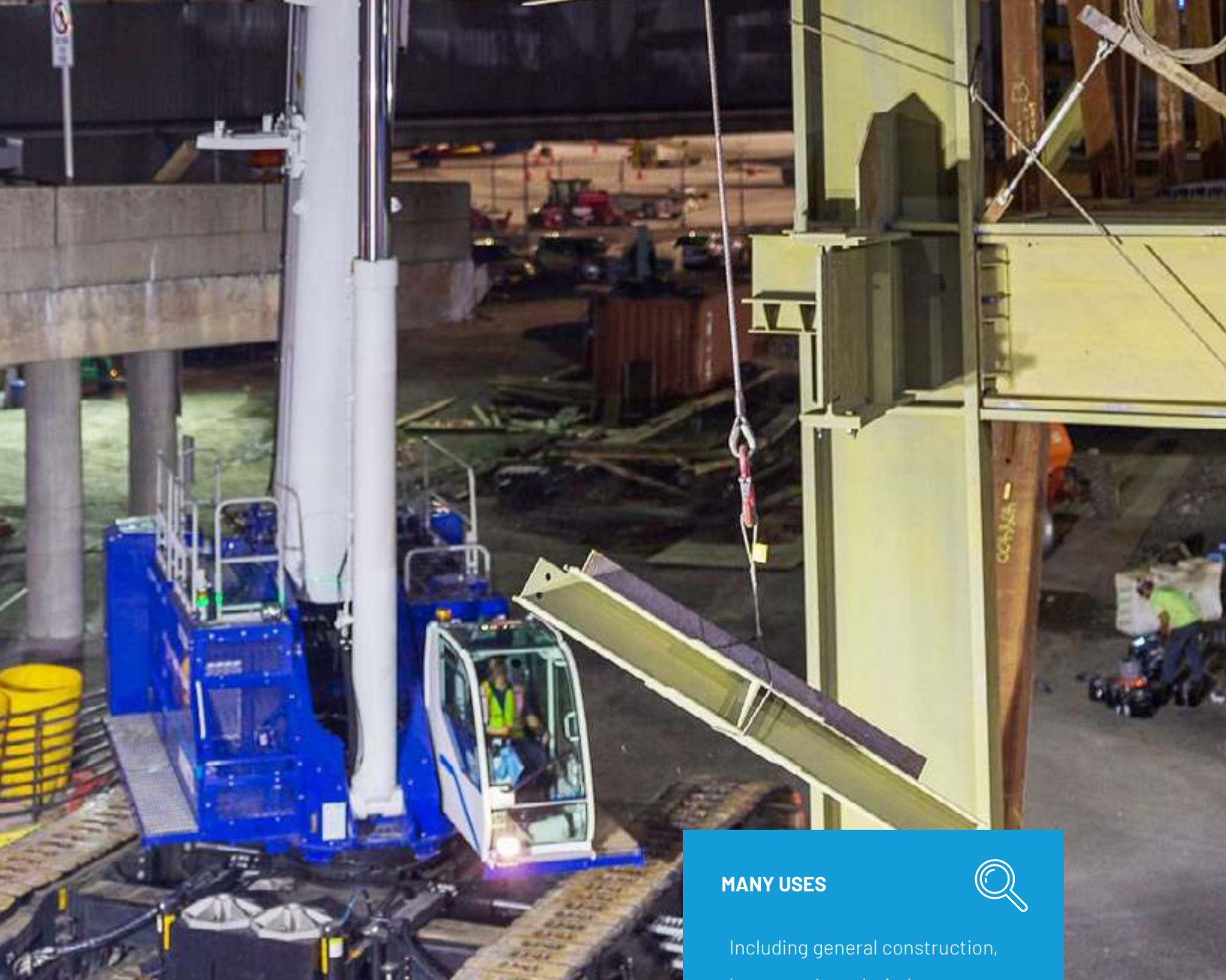
From general lifts to assisting with the build and/or breakdown of different rigs, the GTC-1600's reach can provide a ton of value on oil/gas projects.

## STEEL ERECTION

Many projects to construct bigger buildings have a congested job site and limited work space. The ability of the GTC-1600 to reach 200 feet while also operating in a confined area makes this machine perfect for steel erection on new structures.







#### MANY USES



Including general construction, barge work, and wind power support.

**Under 2 hours** setup time

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**100% self assembly** no assist crane required

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**1 rigger** on the ground



## HIGHER, LONGER LIFTING



- Round shape formed boom design proven by Tadano Ltd.
- High tensile steel for decreased weight and increased strength
- 5 jib lengths with up to 40° offset





BOOM & JIB

# OPTIMIZED DESIGN FOR STABILITY AND PERFORMANCE

Designed for flexibility, the 6-section, 42.8 ft to 200.1 ft, hydraulic boom features a single cylinder telescoping design with pinning system. All sections fully extend/retract automatically and can be locked in the selected working position.

The main boom is complemented by a 33.8 ft / 59.1 ft bi-fold jib with offsets up to 40°. Jib length of up to 105.0 ft is possible with two 23.0 ft optional lattice inserts, giving a maximum tip height of 305 feet. An optional 11.8 ft heavy lift jib with 20° and 40° offsets is ideal for tilt-up work in tight spaces.



AML-E CONTROL SYSTEM

# AUTOMATIC CHART SWITCHING FOR GROUND ANGLE, TRACK POSITION AND SWING ZONE

Featuring proven, reliable Tadano technology, the GTC-1600's modern control system provides more automated machine functionality and offers enhanced operator interface. This includes operator-definable working zones with end-of-zone soft-stop function, as well as automatic switching out-of-level ground operating load charts for a slope of up to 4 degrees.

**AUTOMATIC SWITCHING OUT-OF-LEVEL GROUND OPERATING LOAD CHARTS FOR A SLOPE OF UP TO 4 DEGREES:**

• 0.0° – 0.5°

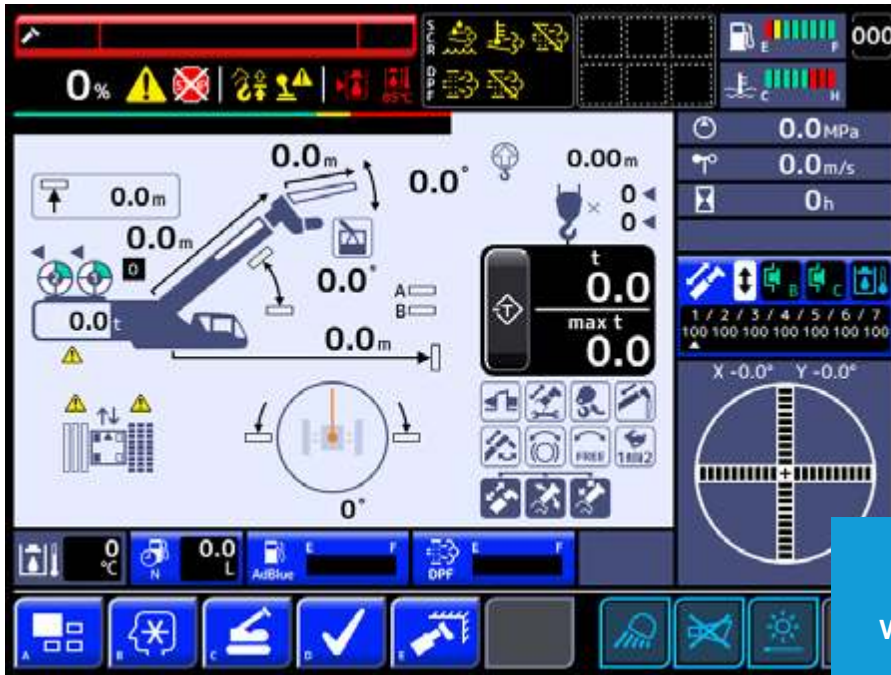
• 1.6° – 2.5°

• 0.6° – 1.5°

• 2.6° – 4.0°







#### VISIBILITY IN ALL THE RIGHT PLACES

A full-color screen provides operators with a continuous display of working boom length, boom angle, working load radius, tip height, swing position, parts of-line, machine track configuration, maximum permissible load and actual load. Safety is enhanced through on-screen warnings, operator-definable working zones with end-of-zone soft-stop function, and automatic switching for out-of-level load charts for a slopes of up to 4 degrees. Control settings can be adjusted for operator preference.

#### ENHANCED CONNECTIVITY

Machine data logging and monitoring system with the proven Tadano HELLO-NET telematics, which is cellular-based to provide faster upload speeds.

#### VERSATILE

- Operation on up to 4° slope
- Pick-and-carry the full load chart through 360°
- Load charts provided for 3 counterweight configurations
- Unlimited symmetric or asymmetric track positions

**1 lift** Full counterweight is lifted into place in one lift.

**Counterweights** Upper: 70,100 lb Carbody: 25,520 lb

## Plausibility check

Connections check the correlation of mounted counterweights to lifting capacity.



## TRACKS

# EXCEPTIONAL ALL-TERRAIN OPERATION

Equipped with our patented OPTI-WIDTH™ system, the GTC-1600 always provides the maximum available lifting capacity, in limitless combinations of symmetrical and asymmetrical track width setups. And with no requirement for pinning of the track frames in fixed positions.

This means that even on the most challenging job sites with restricted space for set-up, the operator can quickly change the track width to the requirements of the terrain – and still get the best performance.

The standard track shoe is a 900 mm wide 3-bar semi-grouser. Optional 900 mm wide steel flat shoes and 1000 mm semi-grousers are also available.







## FLEXIBILITY



- Adjustable track widths – symmetrically or asymmetrically
- Extreme maneuverability
- Robust track design

GTC-1600



## ENGINE

# MAXIMIZED DRIVETRAIN BOASTS HIGH TRACTION FORCE IN ROUGH TERRAIN

Equipped with a dual certified US EPA Tier 4F/Euromot Stage V Cummins B6.7 diesel engine rated 326 hp @ 2,200 RPM, the GTC-1600 offers powerful performance with a max torque of 1,014 lb-ft @ 1,500 RPM. Engine throttle control is achieved by auto-idle control, adaptive throttle manual, manual potentiometer control or by foot pedal control. The travel system features 2-speed track drives with maximum speeds of 1.6 mph and a maximum unladen gradeability of 52%.



### KEY ENGINE SPECIFICATIONS:

- 6-cylinder, water-cooled, 4-cycle
- Aspiration: Turbocharged and Aftercooled
- Piston Disp: 6.7 L
- Alternator: 70 amp (24V DC electrical system)



## SERVICE

# ALWAYS AVAILABLE IN CASE YOU NEED IT

The GTC-1600 is purpose-built for a long service life outside of the service workshop. But if you do need equipment assistance, Tadano Services offers the perfect complement to the robust technology and high reliability of our crane products. We are available to you by telephone on a 24/7 basis, either directly at the factory or at one of our numerous service subsidiaries around the world.

If your problem cannot be solved by consultation, we will be with you as soon as possible, bringing the right spare part with us or sending it to you. We always high-quality spare parts in stock to keep you and your crane operational at all times. Our goal is to keep your Tadano crane up and running in peak operating performance.

The Tadano Service provides you with ongoing training.



### TECHNICAL TRAINING

We show crane operators and service personnel how to perform maintenance work and remedy minor technical faults themselves. This makes them independent of third parties. Certified training is available with clear classroom content and hands-on instruction.

### FOR YOUR SUCCESS



Tadano offers you worldwide product support with:

- Parts & Service
- Repair Workshops
- Technical Training







## TRANSPORTABILITY

# RAPID DEPLOYMENT

Optimized for transport, the base crane weighs less than 100,000 lb and can get to and from jobsites on a single, low-bed truck. The crane components can be hauled separately on several standard trucks. The benefit: A crane with flexible transport and fewer permits. The result: The GTC-1600 can get to jobsites faster and more cost effectively.

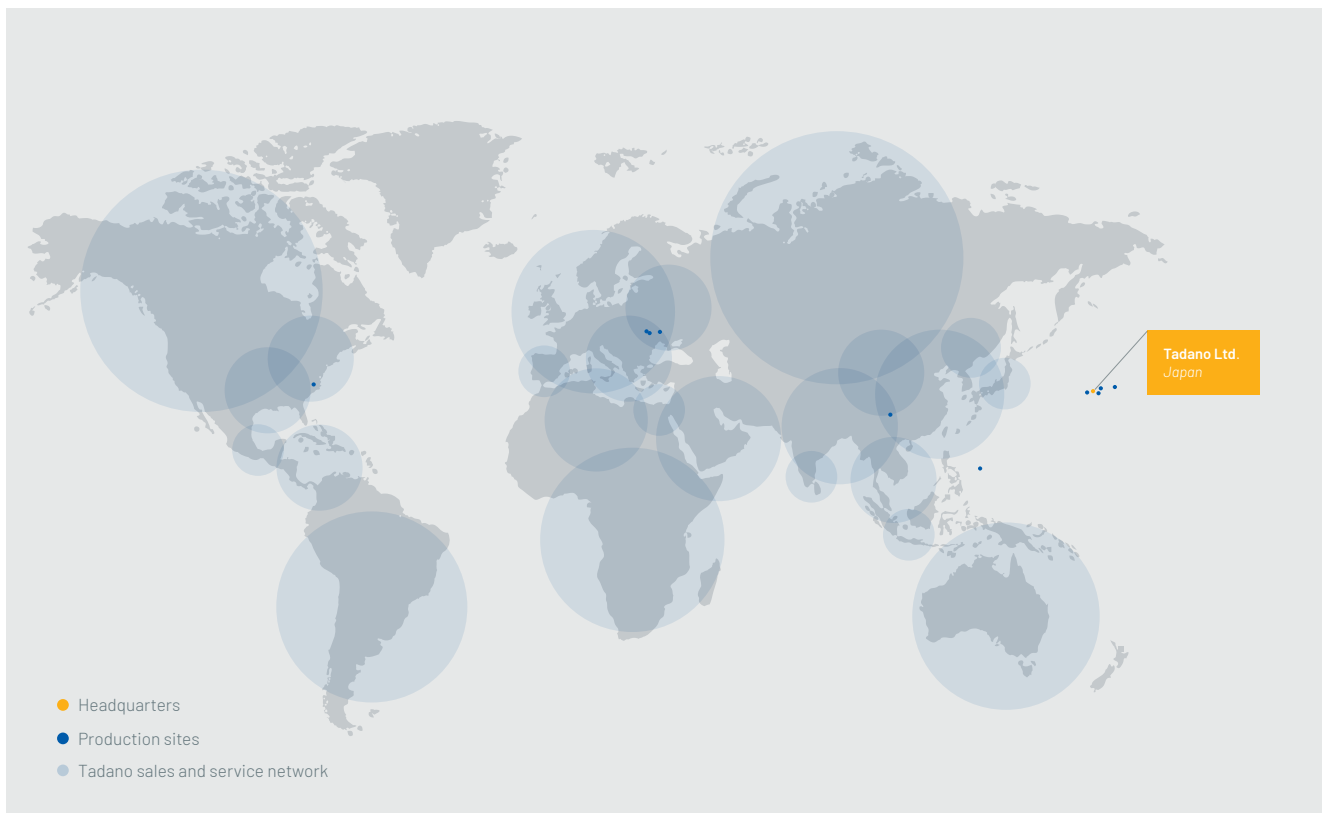
The GTC-1600 is designed for easy set-up without the need for an assist crane. Its self-erecting counterweight system with remote control and integrated 2-stage carbody jacks streamlines the time it takes to get the crane from truck to task. Hydraulic quick couplers on the track drive hoses allow simple, tool-free track frame removal and handling.



WHY YOUR INVESTMENT IN TADANO  
CRANES IS WORTHWHILE

# INVESTMENT OR SAFETY? WHY DON'T YOU JUST TAKE BOTH?

A reliable partner for all the ups and downs of lifting is invaluable. With us you have an economically sound and reliable business partner at your side – around the world, around the clock, around your crane. Over 5,100 Tadano employees pursue a common target on a daily basis: **Lifting your dreams.**



*Tadano worldwide*





The Tadano Group has earned an average annual turnover of € 1.2 billion over the last ten years and produced and delivered over 500,000 units of lifting equipment. Based on high compliance standards, our contribution to your success focuses on **three pillars**:



#### **SAFETY. THIS IS WHAT YOU INVEST IN**

Safety is the top priority in the design, the construction, and the operation of our cranes. All other values are based on this, because safety always matters: whether the crane is traveling, lifting or undergoing service. All components and functions are only available from us if they can be safely used and operated.



#### **QUALITY. THIS IS WHAT WE LIVE**

Absolute reliability and durability will convince you in the day-to-day operation of your Tadano crane: for example, carefully laid cables without chafing points, powder-coated, permanent paintwork, as well as continuously optimized business processes and services.



#### **EFFICIENCY. THIS IS WHAT YOU CAN EXPECT**

Tadano is present worldwide with 11 production sites, more than 29 branches and almost 100 international sales and service companies. Our outstanding reputation for robustness, quality and reliability is your advantage, which pays off in high resale potential and values.



#### **COMPLIANCE. THAT IS SOMETHING YOU CAN RELY ON**

Compliance with legal requirements and high moral standards make up the foundation of our business. Because only uncompromising compliance standards enable the well-known safety, quality and efficiency of our products.

WITH MORE THAN 40 YEARS OF  
EXPERIENCE BUILDING TELESCOPIC  
CRAWLER CRANES,

# WE KNOW WHAT WE'RE DOING.

▶ Tadano provides you with cranes for many well-known terrain types, application scenarios and load variants. And for just as many unknown ones. With our extensive product range, Tadano is the reliable partner you need for all the ups and downs of lifting.







**GTC-1600**



Lifting your dreams



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› TO LEARN MORE ABOUT THE COMPETITIVE ADVANTAGES TADANO'S  
GTC-1600 CAN BRING TO YOUR LIFTING WORK,  
CALL **281-869-0030** OR VISIT **WWW.TADANOAMERICAS.COM**

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