Tadano offers a wide variety of hydraulic cranes, ranging from versatile truck loader cranes to large, powerful truck-mounted cranes. There are the TG, TL, and TS series truck cranes, the TR series rough terrain cranes, the AR series all terrain crane, the TW series wrecker crane, the TM series truck loader cranes, the SL and SS series self loaders, and the AT and AV series “SKYBOY” aerial platforms.

Tadano's Wide Product Range for Every Purpose

TRUCK CRANES

- **TG**
  - Max. lifting capacity: 40 tons - 99 tons

- **TS**
  - Max. lifting capacity: 16 tons - 30 tons

ROUGH TERRAIN CRANES

- **TR**
  - Max. lifting capacity: 20 tons - 59 tons

ALL TERRAIN CRANE

- **TM**
  - Max. lifting capacity: 7 tons - 15 tons

WRECKER CRANE

- **TW**
  - Max. lifting capacity: 10 tons

TRUCK LOADER CRANES

- **SL**
  - Max. lifting capacity: 1 ton - 6 tons

SELFLOADERS

- **SS**
  - Payload: 10 tons

“SKYBOY” AERIAL PLATFORMS

- **AT**
  - Max. floor height: 8 m - 23.3 m

- **AV**
  - Max. floor height: 13 m - 25 m
THE TOUGHEST ASSIGNMENTS ARE NOW IN EASY REACH

Without the right equipment, tackling rigorous jobs can be an uphill struggle. Tadano’s TR-500E/400E are designed from the ground up for extra strength and stability. The TR-500E/400E, the "Super Flexa," with its ultra-rigid hexagonal boom provides superior lifting capabilities and extra reach. Extra lifting muscle is provided throughout the full circle swing by an exceptionally rigid mono-box construction frame and wide span outriggers.

The most grueling job demands are handled expertly by the winch's Dual system—Automatic fail-safe brake and Free fall operation. In addition, 2-speed winching and "intelligent" winch speed control give an unprecedented degree of winch control. A full vision cab with maximum ventilation and adjustable seating lets you exercise all this power in ideal comfort.

To top these benefits, getting to and from the site will be no sweat at all, thanks to superior steering and manoeuvring capabilities. Tadano’s TR-500E/400E can be taken to the limit, anytime, anywhere. They’ve got the stamina.
THE ULTIMATE WINCHING AND LIFTING PERFORMER

Dual system—Automatic fail-safe brake and Free fall operation
An Automatic fail-safe brake system and countershaft sprocket ensure safe, smooth operation. During normal operation, the brake is applied on the main or optional auxiliary hoist while the winch lever is in the neutral position. And also, the main hoist and the optional auxiliary hoist make it a feature to be switched by hand lever to Free fall operation with a fast brake, which allows the hook to be quickly lowered when the winch lever is in the neutral position. This is convenient when operating over tall buildings.

"Intelligent" winch speed control
The main and optional auxiliary winch systems feature Tadano's new "intelligent" winch speed control. Employing variable output pumps, a regulator, and a built-in flow control valve, it automatically adjusts hydraulic pressure to match load conditions. The lighter the load, the faster the winching speed—the heavier the load, the slower the winching speed. In this way, "intelligent" winch speed control allows the crane to select the optimal hoisting speed for each load via single lever action, from "winching" to high-speed operations.

Powerful 2-speed winching
Tadano employ a powerful, high-torque 2-motor, 2-drum winching system. The main hoist features a 2-speed boost circuitry that nearly doubles line speed while maintaining high line pull characteristics. The optional auxiliary hoist has its own separate motor and is a single high-speed version of the main hoist unit. To increase rope service life, the hoist drums are grooved and wider in diameter.

Wide span outriggers
Both the TR-500E and TR-400E feature wide span, hydraulically-operated double-box construction outriggers. The outriggers can be operated either independently or simultaneously by controls that are mounted in the cab. Located next to the control switches is a sight level gauge that confirms position at a glance. In addition, the floats are permanently attached to the jacks eliminating troublesomeness mounting chores and permitting rapid set-up.

Oil reservoir
A large capacity oil reservoir is fitted with a sight level gauge. In addition, the return line filters have quick-change replaceable elements that help simplify maintenance.

MAINTENANCE AND SAFETY FEATURES

Oil cooler
An optional oil cooler is available to ensure that the hydraulic oil is kept at safe temperatures during long hours of operation.

Overhoist cut-out
A pendant type overhoist cut-out is fitted as standard equipment.

Tool compartment
The TR-500E and TR-400E come equipped with a tool compartment that is accessible from ground level.

* Optional
Built for Total Control in Every Department

Responsive braking to match performance
Both the TR-500E and TR-400E have separate service brake and parking brake systems. The service brakes on all four wheels are powerful hydro-pneumatic disc units, while the parking brake system is a spring-operated air released brake which acts on the front propeller shaft. lightly touching the pedal causes all four wheels to brake simultaneously and ensures reliable braking power. To help prevent rust and freezing, and thereby increase service life, a circuit air dryer is provided as standard equipment.

On-rubber duties
The TR-500E and TR-400E can pick and carry or shuttle back and forth on the joistie with a load on the hook. The "on-rubber" operation switch provided in the cab locks the 2nd boom in the retracted position within the base boom. This feature, together with the hydraulic automatic lock-up cylinders for rear suspension, ensures stable pick-and-carry operations.

Three-way power steering
Whether on or off the road, or on crowded construction sites, greater manoeuvrability lends a crucial working advantage. That's why the TR-500E and TR-400E are equipped with 3-way power steering. A convenient switch inside the cab gives the operator a choice of steering modes: 1) conventional two-wheel front steer, 2) four-wheel crab steer, and 3) four-wheel coordinated steer. When using the four-wheel coordinated steer mode, the minimum turning radius is only 6.5 m (20' outer tyre centre).

Torque converter transmission puts the power on the road
A heavy-duty torque converter transmission takes the power from the 185PS 4-cylinder, water cooled diesel engine and puts it on the road. This powershift unit makes gear changing easy and offers 8 forward and 8 reverse speeds — 3 speeds for high range and 3 speeds for low range. All speeds are indicated on the speedometer, including those in the low range. Fully-floating axles are employed front and rear.

Larger-sized tyres
The high-quality, large-sized tyres are rugged and durable. They provide superior traction in rough terrain yet can stand up to long distance travel to and from the job site.

Non-spin differential
Especially useful on rough terrain construction sites, the non-spin differential works by transferring power from the slipping wheel to the wheel on the opposite side, thus maintaining traction wherever possible. It can be fitted as an option to the rear axle.

* Optional