

# Truck & Truck Mounted Cranes

## From TIL Increase Jobsite Productivity, Provide Optimum Lifting Performance

Partnering India's Infrastructure growth since 1944, TIL Limited offers world-class equipment in India, in alliance with global technology leaders. The Company designs, manufactures and markets a comprehensive range of material handling, lifting, port equipment and road building solutions, with integrated customer support and aftersales service.

TIL is a market leader in high-capacity mobile cranes in India, which includes a complete range of truck and truck mounted cranes; in technology collaboration with Grove, a part of Manitowoc Cranes.

Among many other records in its long list of milestones, TIL holds the distinction of rolling out the first 100T truck-mounted mobile crane in 1988. In fact, the very first truck-mounted crane in India also came from the house of TIL.

With high road speeds and inter-site mobility, truck cranes from TIL are ideal for activities at multiple locations. Drive configurations are like a commercial vehicle – 8x4 or 6x4, depending on the requirement. These cranes are very popular with the hiring segment. Given the diverse nature of crane applications, our truck cranes have a wide range of applications in many sectors, such as, oil, steel, cement and of course infrastructure.

In accordance with market requirements, the latest range of long boom truck cranes from TIL have longer formed booms for greater reach and optimum lifting performance. We have successfully perfected the technology for manufacturing the longer 'formed' boom and launched 5 improved models in the 45T to 80T category. The innovation has found very good acceptance in the market.

Equipped with advanced technology and all the latest features to augment efficiency, safety and operator comfort, the long boom truck cranes are a statement in power, precision, durability and high performance. Lifting power maxes out between 45 and 80 tonnes, and the longer booms enable a maximum reach of between 41.3 metres

and 43.8 metres. The most outstanding feature of these machines is the long 5-section formed boom that is designed for optimum lifting performance. The U-shaped cross-section also provides for a natural cradling position for boom sections and the large wear pads offer superior boom alignment during telescoping, thus allowing for an excellent transition of weights between sections. Free Slew ensures precise and easy positioning of the boom over the load.

MODEL	MAXIMUM CAPACITY	BOOM LENGTH
TMS 845	45 T	11.0 m – 41.3 m (5 sec)
TMS 850	50 T	11.0 m – 41.3 m (5 sec)
TMS 855	55 T	11.2 m – 41.3 m (5 sec)
TMS 860	60 T	11.2 m – 41.3 m (5 sec)
TMS 880M	80 T	12.1 m – 43.8 m (5 sec)

Additional features include a 5-point outrigger system that provides unmatched stability during over-360° duties in challenging terrain, an onboard electronic load moment indicator (LMI) – with an integrated audio-visual warning system to guard against unwanted situations, such as, a two-block condition – and a control lever lockout mechanism to enable safe operations with load. A Pendant Limit Switch on the boom-head prevents over-hoist. Hydraulic relief valves protect pumps and structures from excessive pressure and hydraulic failure. Walking beam type solid mount suspension for rear axles provides maximum stability and resistance to rollover. Ergonomically designed operator cabin and joystick crane controls enable fatigue free operations. A maximum unladen road speed of around 50 kmph, with limited off-road mobility, makes this an ideal choice for the material handling segment.

TIL is a technology-intensive and technology-driven company. Constant innovation is at the very heart of our operations. We are always working out new ways to enhance customer profitability, and then go one step further. The new range of long boom truck cranes are further testament to that fundamental guiding principle. ■

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