

Portable Bolt Tightening Machine

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Portable Bolt Tightening Machine

Gasoline Impact Wrench

Bolt Tightening Machine is Equipped with VESSEL brand superior Japanese quality gasoline impact wrench. Impact wrench offers less maintenance and high throughput.

Portable Design

Machine is Portable i.e. can be assembled and dismantled on site, Compact, Light Weight, Handy and Easy to Maneuver construction. Typically suitable for both project and O&M phases.

Long Life Construction

Stainless Steel body and PU wheels offers very high life span with no rusting and negligible wear & tear.

Fast Operations

Trolley type construction ensures swift operations and easy movement on track. This machine can be easily operated by single person.

Fatigue Free

Spring assisted lifting and lowering of impact wrench for fatigue free operation. Weight of impact wrench is compensated by spring hence ease of operation to operator.

Vertical Style

Vertical type design is very suitable for all types of railway track systems i.e Metro Railway, Semi High Speed Railway, High Speed Railway etc.

Night Working

LED lights can be separately installed on machine for night hours working.

Dual Gauge Mode

In machine body, track gauge can be easily adjusted to standard gauge or broad gauge track.

Torque Adjustment

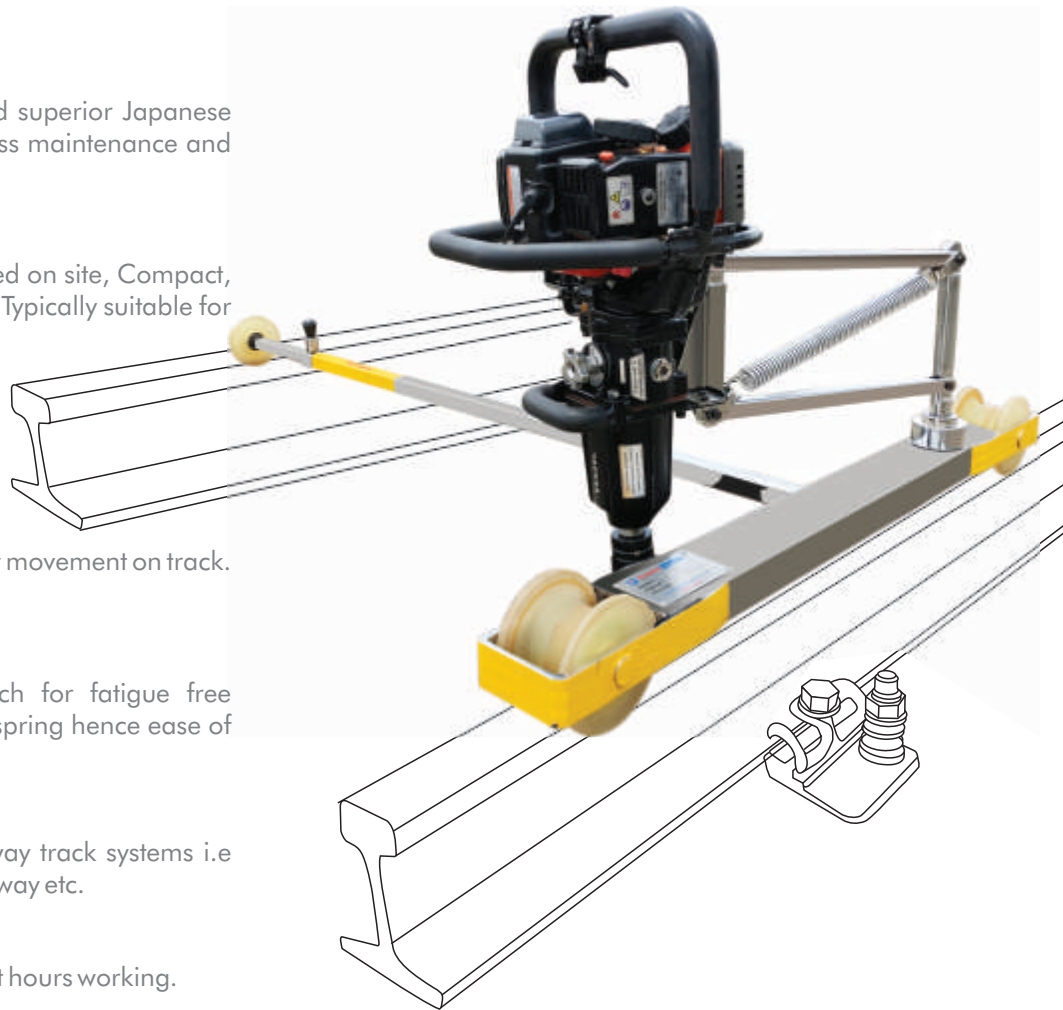
Torque can be set to 900 Nm or 1700 Nm values based on site requirement. Easy toggle switch to set tightening and loosening Torque directions.

Jerk Free Operation

Impact wrench can be easily operated at high torque without transferring much jerks to machine body or to the operator.

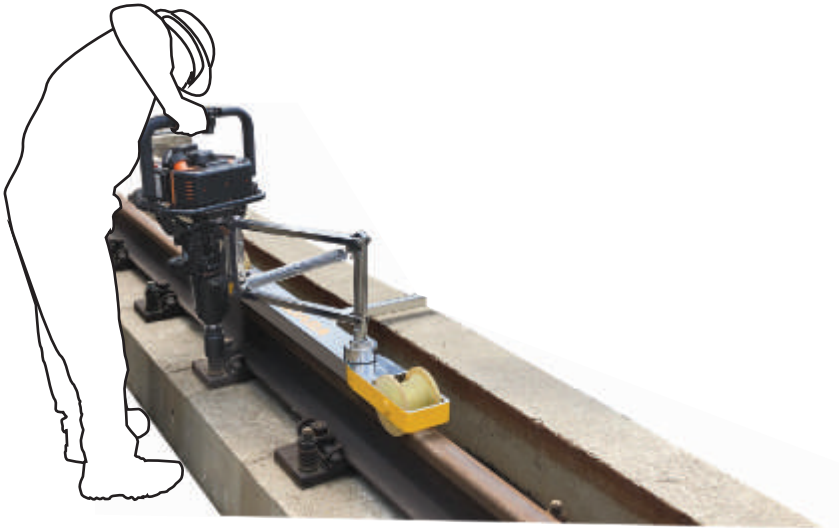
Fuel Efficiency

Gasoline impact wrench works with high fuel efficiency in terms of number of cycles of operations done in per liter of petrol.



Technical Specifications

Track Gauge	: Standard cum Broad Gauge
Operating Torque	: Upto 1700 Nm
Fuel Tank Capacity	: 1 Liter
Fuel Type	: Petrol mixed with 2 Stroke Oil
Operations per Liter	: 500 Cycles (approx)
Engine Capacity	: 2.3 HP
Wheel Type	: Hard Polyurethane (PU)
Gross Weight	: 48kg (approx.)



Gasoline Impact Wrench - Specifications

Engine

Type	: Two Stroke, Air Cooled
Displacement	: 41.5cc
Fuel Tank Capacity	: 1 liter
Fuel Mixture Ratio	: 25-50:1 (Unleaded gasoline: 2 stroke engine oil)
Revolution (idling)	: 2,500-3,000rpm
Revolution (loaded, impact)	: 6,500-6,800rpm
Revolution (non loaded, max)	: 9,800 rpm

Ignition

Type	: CDI
Spark Plug Type	: NGK PBMR8Y

Carburetor

Type	: Diaphragm
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Impact

Square Driver Size	: 24.5mm (1")
Fastening Torque Range	: 1700N.m (Full Throttle) : 900N.m (Half Throttle)

Free Speed	: 1200 rpm
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Capacity

Bolt Diameter	: 32mm (1/ 1/4")
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Weight

Without Fuel	: 19.8 kg
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