



When purchasing hydraulic torque wrenches, it's important to find a brand with high quality standards.

That's why at TorsionX we strive for the best and nothing less.

We're committed to our customers' satisfaction.





About The Brand

Industrial Bolting Technologies, Inc. (IBT) is the manufacturer of TorsionX hydraulic torque tools.

Based in the heart of West Virginia, we have been going strong since 2003.

When you're looking for reliability at the best price, look no further than TorsionX.

TorsionX tools have been assembled and manufactured in the United States, to ensure the best in quality craftsmanship.

Precision-machined from the best material to give you accurate torque with control and ease, TorsionX has solutions for all of your bolting needs.

Whatever your industry: Natural Gas, Steel, Coal, Chemical, Manufacturing, Oil Refining, Mining, Power Generation and Wind Industries, we have the tools you need to do the job right the first time.



TorsionX Regional Locations

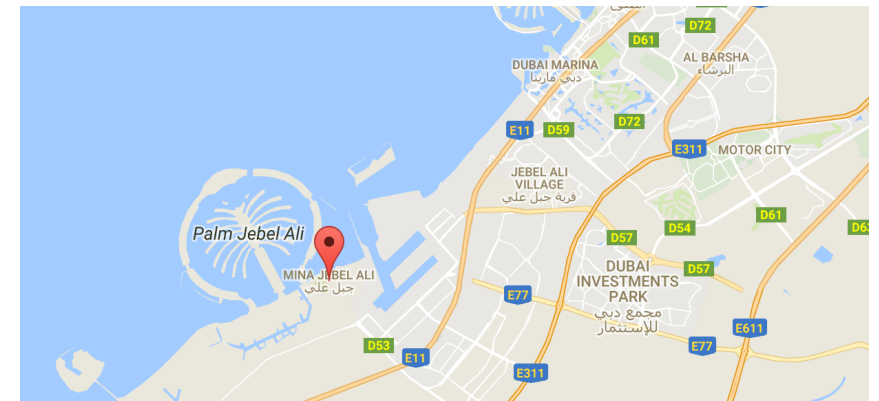
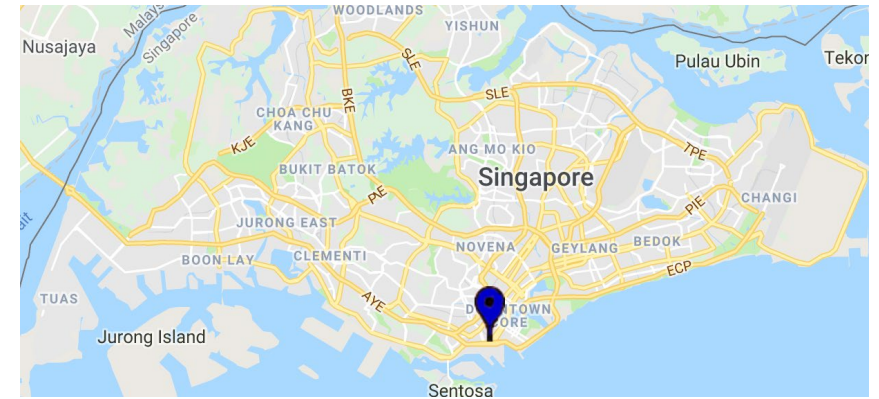
TorsionX Pte Ltd – Singapore

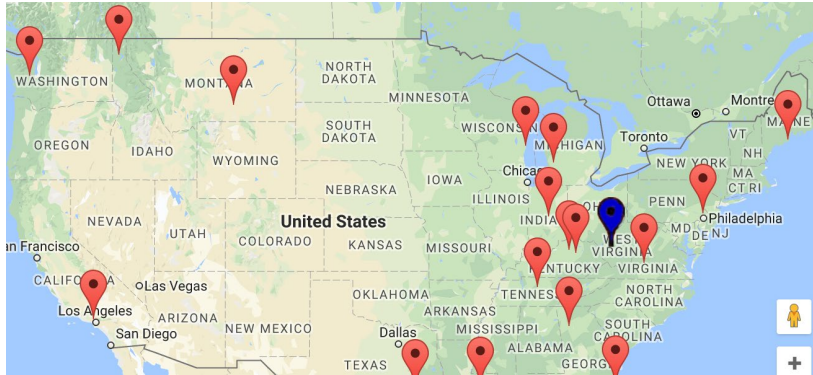
Supports Selected End Users and Distribution Networks.

TorsionX DWC – Dubai, UAE

Supports MENA Region End Users and Distribution Network.

Both Locations offer Sales Support, New Stock Inventory, Comprehensive Rental Fleets along with Calibration and Repair Facilities.





insion
PRIME BOLTING FORCE



Employees

As of 2018 we have 28 employees.



Tools

All tools are machined, assembled, tested and calibrated in-house



CNC Machines

(10) HAAS CNC — HAAS CNC's are manufactured in the U.S.A.



Material

Raw material manufactured in the U.S.A.



Calibration

ISO-17025 Accredited



Worldwide Distribution

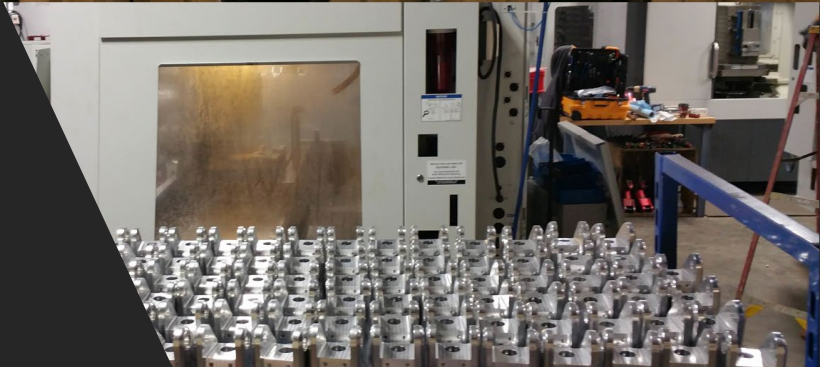
TorsionX distributors located throughout the world



Our Machine Shop

Torsion

EXTREME BOLTING FORCE





Certificate of Approval

This is to certify that the Management System of:
Industrial Bolting Technologies, Inc.

#6 McCown Circle, Charleston, WV, 25313, United States

has been approved by LRQA to the following standards:
ISO 9001:2015

Chris Koci - President, LRQA Americas
Issued By: Lloyd's Register Quality Assurance, Inc.
for and on behalf of: Lloyd's Register Quality Assurance Limited

Current Issue Date: 12 April 2018
Expiry Date: 11 April 2021
Certificate Identity Number: 10075041

Original Approvals:
ISO 9001 – 12 April 2018

Approval Number(s): ISO 9001 – 0078031

The scope of this approval is applicable to:
Design and Manufacture of Hydraulic Torque Equipment and Associated Specialty Manufactured Products,
Rental of Hydraulic Torque Wrenches and Associated Industrial Tools, and Repair and Calibration of Manual,
Hydraulic, and Pneumatic Torque Equipment and Industrial Tools.



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We are ISO 9001 Certified

MAXDRV



HEXPRO



RUFNEX



TorsionX
EXTREME BOLTING FORCE

Torsion **X**[®]
EXTREME BOLTING FORCE

Products

- MAXDRV® – Square Drive Torque Wrenches take on the toughest bolting jobs without missing a beat. MAXDRV tools deliver precision torque during bolt makeup and maximum torque during bolt breakout.
- MAXDRV feature a compact design, constructed of aluminum – alloy and super high-strength steel alloy for increased strength and durability while minimizing the weight. The MAXDRV Series is available from 69 ft-lbs. to 18,446 ft-lbs (86Nm - 25,009 Nm).
- MAXDRV Series Features:
 - Compact design/uni-body housing
 - Aluminum and steel components
 - Multi-Directional Swivels
 - 1 year warranty
 - Best in industry strength-to-weight ration

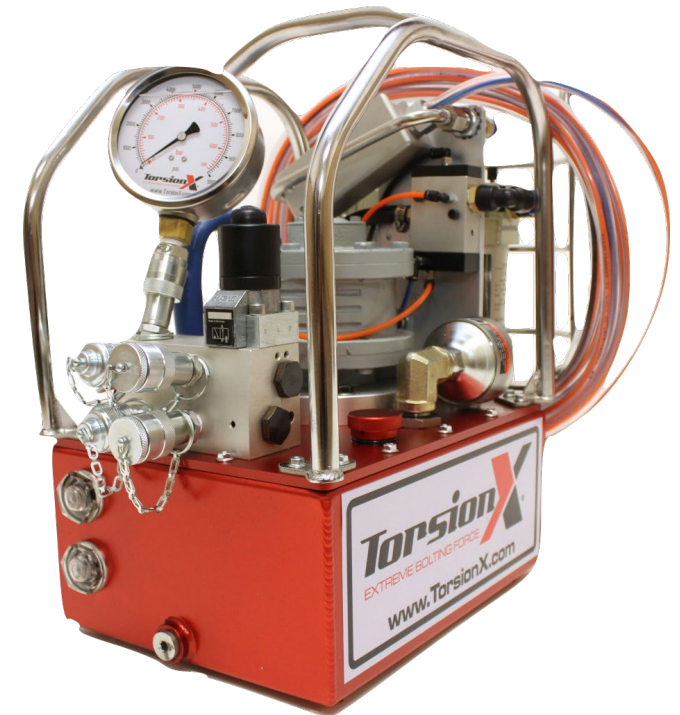
MAXDRV®





Accessories

External Adjustable Pressure Regulator
Retract Internal Pressure Relief Valve for Tool Protection
20-foot Remote Control Assembly
Runs up to 2 Hydraulic Torque Wrenches at One Time
Three-speed High Performance Pump
External Adjustable Pressure Regulator
Heavy Duty Roll Cage
1.5 Horsepower
50 CFM @ 80 PSI
2-Gallon Oil Reservoir
Overall Dimensions: 11.85" x 14.8" x 17.9"
Weight (without oil): 46 Pounds



External Adjustable Pressure Regulator
Retract Internal Pressure Relief Valve for Tool Protection
Runs up to 2 Hydraulic Torque Wrenches at One Time
Three-speed High Performance Pump
External Adjustable Pressure Regulator
Built in Cooling System
Heavy Duty Roll Cage
Remote Control Assembly
115 volts/60 hz*
13.1 Amps
1.5 Horsepower
4000 RPM
Maximum Oil Flow: 500 Cubic Inches per Minute
2-gallon Oil Reservoir
Overall Dimensions: 11.8" x 14.8" x 17.9"
Weight (without oil): 60 Pounds



The versatile HEXPRO® Series supports an extensive range of interchangeable hexagon ratchet links that deliver a torque range of 162 ft-lbs. to 30,500 ft-lbs (220 Nm - 41,358 Nm). HEXPRO tools deliver precision torque during bolt makeup and maximum torque during bolt breakout.

Ratchet Links are interchangeable with other major brands

HEXPRO Series Features:

Compact design

1 year warranty

Multi-Directional Swivels (back mount 2HP/4HP only)

Anti-jam torque release lever

Best in industry strength-to-weight ratio

HEXPRO®





Accessories



The RUFNEX® Extra Low Clearance Torque Wrench has specifications similar to the HEXPRO Hydraulic Torque Wrench, plus:

Reduced ratchet width

Reduced ratchet radius

No special powerhead needed.

Only available in 4HP Series





Torsion **X**
EXTREME BOLTING FORCE





We Also Have Available: Hand Torque Wrenches, Manual Multipliers, Pneumatic Multipliers

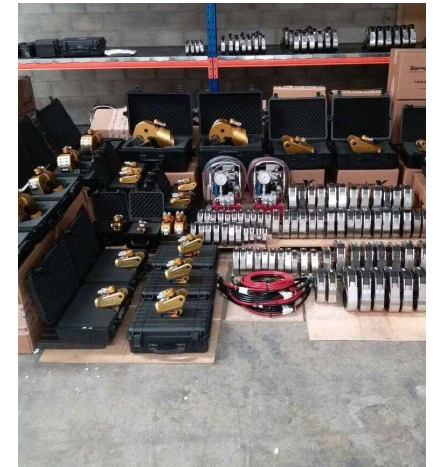


Services

Rental & Services

- Comprehensive Rental Fleet Available
- Dry Rental or with Technician
- Bolting Consultancy Services
- Flange Calculation Preparation

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BOLTING FOR



Calibration

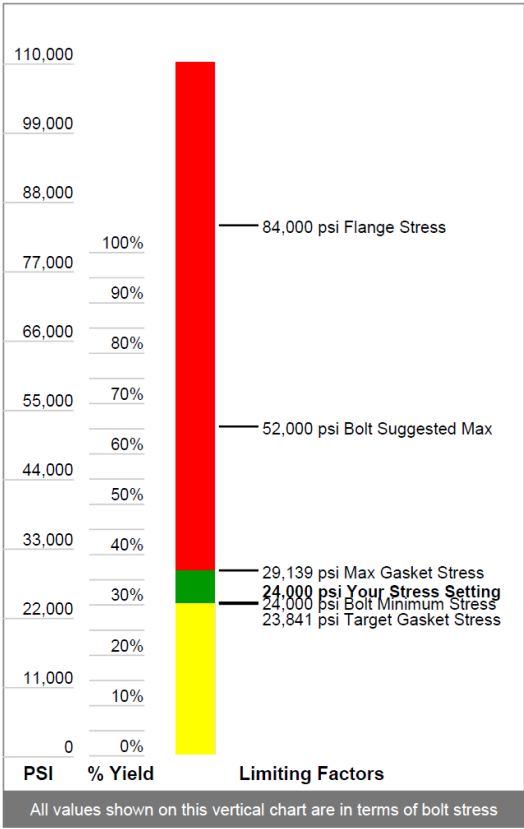
- State of the Art Calibration Equipment
- Up to 50,000NM Capacity
- Available for all brands of tools
- Mobile Calibration Check Service Available

psion
ME BOLTING FORCE



SPECIFICATIONS

Procedure Name:	TXSGP2
Flange Type:	ANSI
Raised Face Flange:	YES
Class:	900 psi
Pipe Size:	16 in
Gasket Type:	Spiral Wound No Inner Ring
Tensile / Root:	Tensile
Bolt Type:	L7M
# of Bolts:	20
Bolt Diameter:	1.625 in
Grip Length:	9.3 in
Stud Elongation:	0.0075 in
Total Bolt Area:	35.5 sq in
Total Gasket Area:	47.02 sq in
Gasket Stress:	18,120 psi
Required Bolt Stress:	24,000 psi
Nut Factor:	0.16
Required Torque:	923 ft lbs
Socket Size:	2-9/16 in
Sq. Drive / Low Profile:	Low Profile
Suggested Equipment:	2000 Series
Bolt Pattern:	Star
# of Tools Required:	1
Washers Required:	YES



20% Torque: 185 ft lbs
60% Torque: 554 ft lbs
100% Torque: 923 ft lbs

Nut Factor: 0.16
Socket Size: 2-9/16 in
Preload of Stud: 24,000 psi

A circular diagram of a flange with 20 numbered bolts arranged in a star pattern. The bolts are numbered 1 through 20 in a sequence that follows a star-like path around the circle.

- Legacy "Star" Pattern**
- Pass 1: 20% to 30% of Target Torque
1,2,3,4 - 5,6,7,8 - 9,10,11,12 - 13,14,15,16 - 17,18,19,20
 - Pass 2: 50% to 70% of Target Torque, Same pattern as Pass 1.
 - Pass 3: 100% of Target Torque, Same pattern as Pass 1.
 - Pass 4: 100% of Target Torque, in circular pattern, until nuts do not turn.
 - Pass 5: (optional) 100% of Target Torque (performed 4 hours after Pass 4), in circular pattern, until nuts do not turn.

Bolting Software



Contacts

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