



TORONTECH

REBAR BEND & RE- BEND TESTING MACHINE - TORONBEND40



Rebar Bend & Re-bend Testing Machine - ToronBend™ 40 is specialized equipment designed to perform cold bend and plane rebend tests. Its primary technical parameters comply with ISO 10065:1990 for cold bend and plane rebend testing.

This machine is ideal for testing the bend and rebend performance of steel bars in the steel industry and construction projects.

APPLICATIONS

The Torontech ToronBend™ 40 is a specialized machine for performing the critical bend and re-bend tests on steel reinforcing bars in full compliance with standards like ISO 10065. This test provides a definitive evaluation of a rebar's ductility and its ability to withstand the strain of on-site bending and subsequent straightening without fracturing or exhibiting signs of brittleness, a crucial factor in structural safety.

This essential mechanical test is a cornerstone of quality assurance for:

- **Steel Manufacturing:** As a fundamental quality control test for steel mills, certifying that each production batch of rebar possesses the necessary ductility and structural integrity to meet international construction codes and specifications.
- **Civil Engineering & Construction:** For third-party and on-site verification, ensuring that the reinforcing steel used in critical infrastructure like bridges, high-rise buildings, and nuclear power plants will maintain its integrity after being bent into complex shapes, which is paramount to public safety.
- **Governmental & Regulatory Agencies:** Used by national standards bureaus and transportation departments to conduct compliance testing, ensuring that all rebar used in public works projects meets stringent safety and material quality regulations.
- **Precast Concrete Industry:** For manufacturers of precast concrete elements (e.g., beams, panels), this test is vital for validating the quality of the reinforcing steel, guaranteeing it can withstand the fabrication process and perform as designed within the final product.

FEATURES

- 1. Compact structure and easy operation.
- 2. Digital display for bend angles.
- 3. Simplified maintenance and lubrication.
- 4. Stable, safe operation with minimal noise.

The ToronBend™ 40 is reliable testing equipment for ensuring quality and performance in steel bar bending processes.

TECHNICAL SPECIFICATIONS

Items	Technical specification
Range of diameter of steel bar	φ 6-φ40mm
Angle of bend	0°-180° with the arbitrary set
Angle of rebend	0°-180° with the arbitrary set
Rotational speed of worktable	1.4r/min
Distance of roller center	245mm
Diameter of worktable	φ 560mm
Voltage	3p 380V 50Hz 1.5kw
Size	1150*850*1450mm
Weight	750kg

Accessories

Main Unit: 1 set

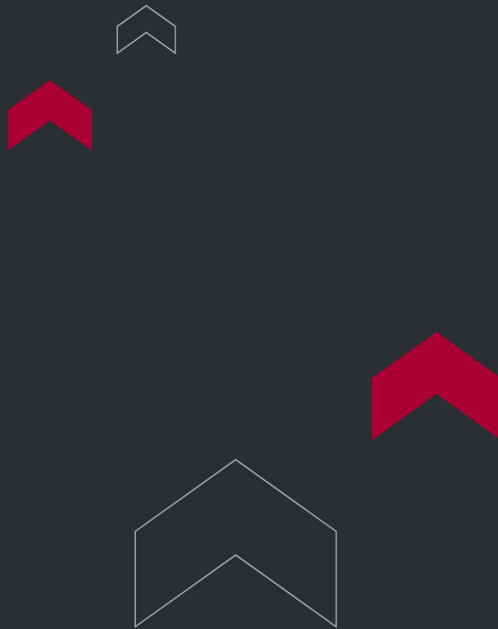
Working shaft $\Phi 25$: 2pcs

Working shaft $\Phi 42$: 5pcs

Steel bar bending mandrel:

HRB400-----4* $\Phi 6$, 4* $\Phi 8$, 4* $\Phi 10$, 4* $\Phi 12$, 4* $\Phi 16$, 4* $\Phi 20$, 4* $\Phi 25$, 5* $\Phi 32$, 5* $\Phi 40$

Remark: Other specifications of bend core set (or bend core axis), the user can according to their own needs further add money to order.



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

