Rexco Tech Sdn Bhd



Tightening and Welding

brand: Bosch Production Tools



Bosch EXACT Production Cordless Screwdrivers:

- ► Torque range 0.2 60Nm
- ► High quality mechanical shut-off clutch (Cmk > 1.67 with ±10%)
- EXACT ION new EC-brushless motors and Li-on batteries, capable of Multi-step Tightening
 Processes programmed via USB

brand: Bosch Rexroth



Tightening spindles and handheld nutrunners:

- ► Torque range 0.6 1 000 Nm
- ► Maintenance free for 1 million full load cycles
- ► Handheld nutrunners: Torque range 1 220 Nm with Ergonomic design and angle compensation

Compact and Modular Control systems:

- ► Reliable and easy to use single-channel controllers
- Space-saving and economical multi-channel controller supporting up to six tightening channels

Nexo - intelligent cordless nutrunner:

- ► High-precision torque and rotary angle measurement system
- ► No external controller and with large display
- ▶ Data transfer via 2.4 and 5GHz WiFi or mini USB
- ► Torque range 1.8 65 Nm, max. speed 880 rpm
- **▶** Optionally available with barcode scanner







Resistance Welding systems Welding controllers:

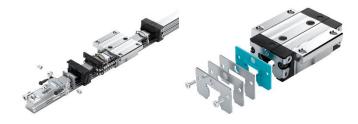
- Medium-frequency (1000 Hz) modular resistance welding controllers
- Maximum quality when welding all combinations of sheet thicknesses from steel to aluminum.
- ► Currents up to 360kA, air cooled/water cooled
- ► Adaptive current/voltage control algorithms for consistent weld quality and reduced expulsion
- ► Tools and user interfaces provide process monitoring and overview for weld control and quality monitoring
- Maximum flexibility in the I/O and network with plug-in modules such as PROFIBUS, PROFINET IO, DeviceNet and EtherNet/IP.

Powerful compact medium frequency transformers:

- Integrated temperature monitoring of the winding package and the rectifier unit, current sensor and safety resistor
- Process monitoring by integrated current measuring coil
- ► Output up to 250 kVA (20% ED)

Linear Motion Components

brand: Bosch Rexroth











Ball and Roller Rail Systems:

- ► High load capacities with limitless interchangeability, highest level of system rigidity thanks to preloaded 0-configuration
- ► 14 types of runner blocks, 6 accuracy and 4 preload classes
- ► Sizes I5/20/25/30/35/45/55/65 and 85/100/125
- ► Load ratings Cdyn: 3900 N to 1000 kN
- Steel, aluminum, corrosion-resistant steel, matte silver or black hard chrome-plated, high speed, self alignment capabilities, etc.
- ► Guide rails: mounting from above/below, corrosionresistant versions, cover strips, plastic and steel hole plugs, bellows etc.
- Maximum rail length 6000 mm one-piece, composite guide rails

Miniature Ball Rail Systems:

- High dynamic ratings: up to v = 5 m/s, a = 250 m/s2
- ► All steel parts of the runner block and the guide rail are made of rust and acid resistant material
- Sizes 7 / 9 / 12 / 15 / 20 and available wide sizes 9, 12, 15
- 4 types of runner blocks, 3 accuracy and 2 preload classes
- **▶** Low friction seal
- ► Clean room certificate Class 10
- Maximum rail length 2000 mm one-piece, composite guide rails available

Ball Screw Assembly (BSA)/ Planetary Screw (PLSA):

- Numerous nut types in DIN, JIS and Rexroth layout
- ► Economic Solution due to precision-rolled screw
- ► Especially smooth running due to optimized ball pickup and recirculation
- Single Nut w/o axial play possible, no reduction ratings (PLSA)
- ▶ Diameter: 6 80 mm, Lead: 1 64 mm
- ► Accuracy: T3, T5, T7, T9 acc. to ISO 3408
- ► Load ratings up to: C = 900 kN (dynamic) CO = 3000 kN (static)
- ► Length: up to 13 000 mm (5 000 mm for PLSA)
- D x n value: 150 000 for all nuts

Linear Bushing and Precision Steel Shafts:

- Numerous types for ∅ d 3 80 mm: self-alignment, closed/open, heavy load, rugged design, linear sets, corrosion-resistant etc.
- Excellent low friction, compensation of misalignments
- ▶ Precision shafts sizes Ø d 3-110 mm, shafts with shaft support rail, heat-treated steel/corrosionresistant, hard chrome plated

Ball Transfer Units

 Conveying speed up to 2 m/s, Size 8(130N) to 120 (40 OOON), different types in corrosion-resistant version available

Cam Roller Guides

 Dynamic (v = 10 m/s), various formats, zero clearance adjustment

Linear Motion Systems

brand: Bosch Rexroth







Compact Modules CKK/CKR:

- ► Extremely high rigidity due to two integrated zeroclearance ball rail systems
- ► Compact and low aluminum profile, various connecting elements
- ▶ Online-configurator and creation of 3D-CAD models
- ▶ Sizes: 70, 90, 110, 145, 200
- Drive: Precision Ball screw T7(CKK), Toothed belt drive (CKR)
- ► Length: freely configurable up to 5 500 mm (CKK), 10 000 mm (CKR)
- Travel speed: up to 2.53 m/s (CKK), 5.0 m/s (CKR)
- ► Repeatability: up to ± 0.005 mm (CKK), ± 0.05 mm (CKR)

Linear Modules MKK/MKR/MLR:

- ► Integrated zero-clearance ball rail systems (M KK/MKR), and with cam roller guide (MLR); two carriage length available
- Online-configurator and creation of 3D-CAD models
- Motor flange/coupling or timing belt side drive, gear unit
- ▶ Sizes: 40, 65, 80, 110, 145 (two rails), 165
- Drive: Precision ball screw (MKK), Toothed belt drive (MKR/MLR)
- Optionally: hard chrome plated, integrated IMS-A, T5 grade
- ► Length: MKK up to 5 400 mm (MKK), 12 000 mm (MKR/MLR)
- Speed: up to 2.5 m/s (MKK), 5.0 m/s (MKR), 10.0 m/s (MLR)
- Repeatability: up to ±0.005 mm (MKK), ± 0.05 mm (MKR/MLR)

Electromechanical Cylinders EMC, Heavy Duty EMC-HD:

- Precision rolled Ball Screw (T7) with preload or Planetary Screw
- Compatibility with pneumatic products according to ISO 15552
- ► 12 sizes: 32, 40, 50, 63, 80, 100, 100XC; 085, 105, 125, 150, 180
- Protection class: IP54, IP65 or hygienic design (optional)
- ► Stroke: 30 1700 mm (variable in 1 mm intervals)
- ► Axial force: up to 290 kN, Dyn. Load rating: up to 470 kN
- ► Travel speed: up to 1,6 m/s
- Repeatability: ± 0,005 mm BSA (up to ±0,01 mm for PLSA)
- Mounting elements, force sensor and other accessories
- ▶ Online-configurator and creation of 3D-CAD models

Aluminum Profile & Accessories

brand: Bosch Rexroth





Aluminum Profile System:

- ► Most comprehensive Modular system as the basis for a wide range of industry
- Over 100 different strut profile cross sections
- ► Highly durable standard profiles, largest slot retention force
- ► Innovative special profiles, profiles with closed slots
- ► Finely graduated profile size range (20, 30, 40, 45, 50, 60, 80, 90, 100 mm)
- 3 slot systems: 6, 8, 10 mm with groove independent connectors
- ▶ Slot retention forces up to 24 000 N
- ► Patented special profile
- Integrated air duct
- ► Guaranteed performance data, highest stability
- Customized finishes without drawings Quick & Easy

Accessories

- Comprehensive range of accessories with more than 1300 individual parts
- Specific solutions as well as basic element for manual workstation and transfer systems
- Reliable and secure connectors with extensive accessories
- ▶ 25 types of connectors in more than 280 variants

Electric Drives and Controls

brand: Bosch Rexroth



Electric drives IndraDrive - unique scalable platform:

- Common platform for power range: 100W 4 MW
- ▶ Different types: compact converters, modular inverters/power supply, single- and double-axis inverters, distributed cabinet-free drive technology with motor-integrated and near motor drives
- Multi connectivity: Ethernet-based multi-protocols (SERCOS, PROFINET IO, Ethernet/IP, EtherCAT, Powerlink), ProfiBus, CANopen, DeviceNet, Analog and Parallel interfaces
- ► Intelligence: advanced firmware functions, integrated motion logic and PLC (MLD) with a wide range of libraries including ready-to-use technology functions, free programmability (IEC 61131-3), integrated safety technology, etc.

IndraControl - complete and universal automation:

- Scalable platform for all system solutions from Bosch Rexroth
- ► Extensive range from IndraControl L25 to L85

 New family IndraControl XM from XM21
- Open connectivity: RS232, Ethernet TCP-IP/UDP, PROFIBUS (Master/Slave), SERCOS, PROFINET RT, EtherNet/IP, EtherCAT
- ► I/O extension modules: IP20/IP67, local and distributed, digital/analogue I/0s, temperature, technology, communication, safety.

Kistler – Angle/Torque Analyser



INSPECTpro:

- ► Mobile measuring and evaluation unit for process inspection and quality monitoring
- ► Portable and lithium-ion battery-operated
- ▶ 7.7-inch TFT color display and Touchscreen
- Connectivity for a range of sensors
 (with optional adapter cable, depending on type)
- ▶ Optional two measuring channels: Analog / incremental sensor
- Optional software modules for extended function
- Optional connection of external power supply for Continuous operation

Amada Miyachi - Weld Tester



Weld Tester MM-315:

- Portable, Multi-Function Monitor for Resistance
 Spot Welders
- ► Measures Weld Current, Weld Time
- Measures Conduction Angle
- Automation Power-Off Feature
- Large, easy-to-see LCD
- Memory function for easy recall of settings
- ► Cover panel with dust and oil endurance
- **▶** Compiles with RoHS
- ► Toroidal coil MB-500-15 (Optional)

Spotron - Weld Force Gauge



Weld Force Gauge:

- For general resistance weld
- Compact, lightweight, easy-to-use
- ► Seven types of variations fitted to the weld force
- ► Unit of gauge by N (Newton)
- ► Insulated body to protect from weld current
- ► "Maximum Value Pointer" to hold at the maximum point
- ▶ SP-241N has a flexible neck bendable to U-form.
- Carrying case is furnished for easy handling and storage

SCS Concept – Angle/Torque Wrench



Freedom4:

- Advance solution for production from 0 to 1200 Nm
- ► Light, robust and accurate
- ► Automation obstacle detection & incorrect hand position
- ► Tightening strategy and full quality check strategy
- ► Self-diagnostic solution
- ► End-fitting tool recognition
- ▶ High memory capacity
- Barcode reader in option
- ▶ Wireless charger
- Wireless communication and USB connection for data traceability
- Large screen, 7 LEDs, vibration and buzzer to communicate with the operator

Innotech 🥌

Adjustable Cartridge Heater



Adjustable Cartridge Heaters:

- Adjustable Cartridge Heater up to 160°C.
- ► Cartridge heater for 2 cartridges with temperatures adjustable from 20°C to 160°C

Features:

- Precise adjustable ± 1°C
- Digital display with desired and current temperature
- ► Temperature sensor is located between the two barrels at the top
- Automated correction between sensor and temperature in the middle of cartridge
- ► Made in Germany with CE marking
- ► Compact device less than 3.0kg in weight

Heated Cartridge Dispenser, ELECTRAFLOW



ELECTRAFLOW 18V, 20-228°C:

- Cordless cartridge applicator, ELECTRAFLOW
 18V with in-built heating technology.
- ► The temperature can be set as required up to 228°C and is shown in the digital display.

Features:

- ► The only heated dispensing tool on the market in this power ranges
- ► The only can be used with 310ml & 400ml cartridge
- ▶ High compressive force up to 350kg

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