MCB-SERIES

HEAVY DUTY
HYDRAULIC CYLINDER
REPAIR BENCH

Micron Technologies (Pty) Ltd
YOUR CYLINDER REPAIR EQUIPMENT SPECIALIST
ADVANTAGES OF THE MICRON CYLINDER REPAIR BENCH

• Solid, full-length bench design provides more usable working space and the flexibility to accommodate additional repair functions (e.g. optional concentric rollers for checking rod straightness).

• Bench design is suitable for large, heavy cylinders (rated for 4000kg / fixture). Stronger design means machine longevity and improved operator safety.

• Tool slide plates, together with our proprietary height-adjustable chain vice tools, ensure that any cylinder or rod configuration can be safely secured on the bench and adjusted to a common tool centre height. This gives the user maximum flexibility in disassembling and reassembling any cylinder configuration.

• All tooling can be easily removed as required to free up bench space (including the nut cracker).

• Simple operation - More stripping functions can be performed with each tool for greater flexibility.

• The Nut Cracker utilises a simple and effective ratchet mechanism for maximum power and control.

• Re-assembly is achieved through reverse rotation using the same tooling. Precise control of pressure allows nuts to be re-torqued to OEM specifications.

• Inexpensive tooling that can be easily set up and used. Tooling can be purchased individually as required. Tooling inserts can be fabricated to accommodate custom jobs.

• Bench design is modular and can be extended should the need arise.

• The Micron bench has an Integrated Cylinder Pressure Tester with optional Digital Data Logger to record and export cylinder test results.

• Full-length oil collection tray for cleaner operation. The oil collection system will capture the residual oil left in the cylinder and transport it back to a waste oil reservoir. This will reduce clean-up costs and improve workplace safety.

• An air purge system allows the test oil to be removed from the cylinder after pressure test.

• Lower machine cost, Lower tooling costs, Easier set-up, Safer, Cleaner operation and more flexibility all add up to a more efficient use of your equipment investment and floorspace.

MCB-SERIES BENCHES ARE BUILT TOUGH, FOR THE TOUGHEST JOBS!
CUSTOMISED TOOLING OPTIONS
TO HANDLE ALMOST ANY CYLINDER DESIGN OR CONFIGURATION
**Bench Specifications:**

- **Maximum Rotational Torque**: 65'000 Nm or 130'000 Nm Options
- **Maximum Rod Extraction Force**: 7 Tons
- **Max Rod Extraction Speed**: 1200 mm/20 sec
- **Hydraulic Nut Runner**: 5000 lb-ft. Torque (6700 N-m) at 8 RPM
- **Cylinder Pressure Test Capacity**: 5000 psi
- **Hydraulic Fluid Reservoir**: 1200L
- **Waste Oil Reservoir**: 200L
- **Colour**: White and Red
- **Electrical System**: 380/460 V, 50/60 Hz, 3 phase, 15 amp
- **Floor Space (15-meter bench)**: 15000 x 1250 x 1620 (mm)
- **Reservoir (L x W x H)**: 2600 x 800 x 1420 (mm)

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**Cylinder Disassembly/Assembly Specifications**

- **Maximum Part Weight**: 4000 kg / Tool
- **Maximum Cylinder Length**: No Limit - Modular base
- **Maximum Cylinder Barrel OD**: 620 mm
- **Maximum Cylinder Flange OD**: 800 mm
- **Maximum Clevis Width**: 463 mm
- **Maximum Clevis Diameter**: 620 mm

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**Please Note:**
These are standard specifications. Special systems can be designed to suit specific requirements.
A MICRON Technical Specialist will work with you to determine the best solution for your needs – it’s all part of the added value you get from MICRON.

Our sales and service team provides comprehensive support for the installation and operation of every system we make.

Whatever your need, we have the expertise and flexibility to create the right solution for you and the dedication to support you for the long run.