MCB-SERIES

HEAVY DUTY HYDRAULIC CYLINDER REPAIR BENCH







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!







Micron Technologies (Pty) Ltd

HEAVY DUTY HYDRAULIC CYLINDER REPAIR BENCH

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MICRON MCB-SERIES HEAVY DUTY CYLINDER DISSASEMBLY BENCH

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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) Bench (L x W x H) Reservoir (L x W x H)	15000 x 1250 x 1620 (mm) 2600 x 800 x 1420 (mm)	

CYLINDER DISSASEMBLY/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



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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.