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.

- Bench design is suitable for large, heavy cylinders (rated for 6000kg / 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.

- Windows™ Embedded Touch Screen HMI to control bench functions and system limits (such as piston nut torque pre-sets). Complete with operator safety prompts.

- Integrated Cylinder Pressure Test function with digital export of cylinder test results. Optional Linear Encoder caters for stroke length measurement and automated multi-point cylinder test protocols.


- Optional Nut Cracker Swing Table facilitates access to the piston nut without turning the piston rod or removing the cylinder barrel as with competitive offerings.

- The Nut Cracker utilises a simple and effective ratchet mechanism for maximum power with hex socket type adapter for piston nuts up to 345mm across flats.

- Re-assembly is achieved through reverse rotation using the same tooling. Precise control of system pressure allows nuts to be re-torqued to OEM specifications using torque pre-sets entered into the HMI.

- 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.

- 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.

- 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!
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 System Pressure:** 300 Bar
- **Hydraulic Nut Runner:** 6000 Nm at 8 RPM
- **Cylinder Pressure Test Capacity:** 300 Bar (Standard) 500 Bar (With Optional Intensifier)
- **Hydraulic Fluid Reservoir:** 1200L
- **Waste Oil Reservoir:** 800L
- **Colour:** Grey and Red
- **Electrical System:** 380/415/460V, 50/60 Hz, 3 phase, 15 amp
- **Floor Space (15-meter bench):** 15000mm (L) x 1250mm (w) x 1620mm (h)

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**Cylinder Disassembly/Assembly Specifications**

- **Maximum Part Weight:** 6000kg / fixture
- **Maximum Cylinder Length:** Not Applicable - Modular Base
- **Maximum Cylinder Barrel OD:** 620 mm
- **Maximum Cylinder Flange OD:** 800 mm
- **Maximum Clevis Width:** 700 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. Plus, 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.