

High-Torque Stroking Machine



Forum Energy Technologies' AMC high-torque (HT) stroking machine is a self-contained, free-standing, hydraulically powered torque unit designed for fast and accurate makeup and breakout of threaded connections on drilling tools, well completion assemblies and other oilfield related equipment, up to a maximum torque of 250,000 ft-lb.

The machine consists of a fixed headstock and a traversing tailstock. The tailstock is available with an open-top feature to help load tools safely and efficiently.

Both heads feature hydraulically controlled clamp cylinders that can go from 3 to 28 in. OD, or up to the machine's maximum diameter, without the need to change jaws between sizes. This can reduce downtime, while minimizing safety hazards associated with changing jaws manually. The hydraulic system works at low working pressures, eliminating the need for high-pressure hoses and fittings; thus, reducing component costs and improving safety to the customer.

The HT machine is also available with other options, such as extension beams with additional lifting jacks, a hinged push/pull, and a spinner capable of 2,000 ft-lb max torque. The Forum torque control system (TCS) was specifically designed in-house to meet industry standards. It provides users with PDF graph reports on threaded makeups, which records the accuracy and history of each makeup.

All machines are delivered with a one-year OEM warranty for peace-of-mind operation. The system is robust enough to withstand virtually every environment, including extreme heat and cold temperatures for extended and prolonged workshop use.

Forum's service parts and calibration equipment are kept in stock at strategically placed locations around the world, which allows its highly trained team of engineers and technicians to immediately respond to customer needs and support operations.

For more information, contact your nearest local Forum representative.

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BENEFITS

- Improves the authenticity of torque readings with limit switches that are fitted to eliminate false torque readings
- Reduces component requirements and saves downtime with an enhanced open tailstock design
- Increases reliability since tailstock travel is driven by two rack and pinion hydraulic motors versus a chain drive system
- Decreases HSE risks since jaws do not need to be changed for varying pipe diameters, and no manual handling is required

FEATURES

- Forum TCS provides accurate graph reports on threaded makeups for full authentication and traceability
- Variable electrical supply
- Oil cooler fitted as standard
- Calibrated to thread manufacturers' guidelines and tolerances, in accordance with BS 7882:2008
- Full OEM 12-month warranty

ADDITIONAL SAFETY FEATURES

- High-visibility hose chain houses all hydraulic hoses and electric cabling
- Low-working-pressure hydraulic system
- Remote clamping

OTHER OPTIONS

- Extensive choice of accessories
- Tailored machine layouts are available
- Customer-specific coatings



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