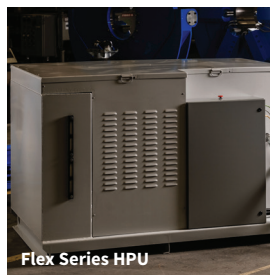


# 8147 CRFlex TorqueMaster Machine

The 8147 CRFlex™ unit is the latest addition to our TorqueMaster™ line of make/break torque machines. This self-contained, freestanding continuous rotation torque unit is designed for fast and accurate makeup and breakout of premium threaded connections and multi-connection tools with various diameters.

The fully electronic touchscreen control incorporates a torque/turn logging system that logs connection data and automatically stops the torque process at the desired set point entered by the operator, reducing the possibility of over torque and damaged connections. A database containing connection parameters can be used to set-up the torque requirements ensuring that clerical errors are not made when setting up the connection for makeup.

Powered by our Flex™ series independent hydraulic power unit (HPU), the CRFlex is ideally suited for any application where continuous turn capability is desired, such as completion tool service shops. The unit requires only an electrical power source and is designed for simplicity of operation and maintenance. Customizable to fit your facility, the non-slip bed and beams come in various lengths to ensure the equipment matches your process and space.



## Features and Benefits

- **Continuous rotation** – unit includes a continuous rotation headstock and a traversing, torque measuring, non-rotating tailstock.
- **Flexible grip** – capable of handling both concentric and eccentric connections. Our proprietary soft shoe jaw design provides wide grip size ranges, requiring fewer jaws to handle the same OD range.
- **Safe data** – PDF connection reports are saved for every connection, which can be copied to a USB memory stick or printed at the console.
- **Remote HPU** – separating the HPU from the control console reduces the noise, vibration and heat from the work space.
- **Plastic hose chain** – the rugged, modular design does not corrode or crease.

## Components

- **Splash-proof electronic console** – comes standard with 19 in. logging screen, 8 in. system screen, electronic joystick controls, keyboard, safety shield, and internal modem.
- **Power** – supply voltage and frequency to be specified at time of order.
- **Clamp cylinders** – independent six- or three-cylinder clamping control on headstock and tailstock.
- **Beam lengths** – options are available for the headstock and tailstock side of the machine. Please enquire to determine the best combination to suit your operation.
- **Tailstock jack** – included standard with tailstock
- **Hydraulically-driven tailstock traverse** - dual rack and pinion traverse accurately moves the tailstock.
- **Rolling jack** – four additional accessory jacks can be added on either beam, the bed, or fixed behind the headstock. Can be either manual rolling or powered traversing. Powered traversing jacks are controlled at the operator console and increases overall length of the beam section by approximately 24 in. Jacks are hydraulic lifting with a maximum weight capacity of 8,500 lb in the rolling jacks and 6,500 lb in the tailstock jack.

## Technical Data

<b>Chucking capacity</b>	2¾ in. to 18 in. headstock and tailstock
<b>Low center working height</b>	Chuck is 47¼ in. above the bed and hose chain.
<b>Make/break torque</b>	1,000 - 100,000 lb-ft capacity
<b>Center clamping distance</b>	9 in.
<b>RPM range</b>	.5 rpm to 3 rpm (while logging) 5 rpm max
<b>Power requirements</b>	35kW full load
<b>Bed length</b>	21 ft, 18 ft, 15 ft, 12 ft standard (enquire for different sizes)
<b>Accessories</b>	Up to four jacks can be applied on the headstock beam, tailstock beam or on the bed
<b>HPU noise rating (idle)</b>	70 dB (from 3 ft)