

# IR120



## **PATENTED:**

US 8,534,386 B2; US 8,667,869 B2

US 9,453,378 B2

## **SPECIFICATIONS:**

- **MAKEUP: 100,000 ft-lbs**
- **BREAK OUT: 120,000 ft-lbs**
- **CONNECTIONS: 3 1/2" DP– 9 3/4" DC**
- **SPINNER TORQUE: 6000 ft-lbs, 80 rpm @5" DP**
- **Vertical Travel 30"**
- **Well Center Reach to 3800mm (option to 5000mm)**
- **Self Centered Triple Jaws Clamping, Universal and Synchronized for all connections. High clamping yet uniform force around tool joints for maximum tool joint protection**
- **Patented Self Centered Spinner Clamping dually used for centerizing and clamping drilling pipes for all connections. Few minutes for replacing the spinner roller assembly without removing motor, shaft, bearing or hoses for fast rig float service.**
- **Patented wrench only moves/up/down while keep all delivery arms the same location to have the minimum moving parts, low CG and maximum stability and lowest overall height**
- **HPU System: 3000ps (21MPa), 45-50 GPM**  
**Dims: 2100mm L x 1640mm W x 2500mm H**
- **WT: Total 14000 lbs**