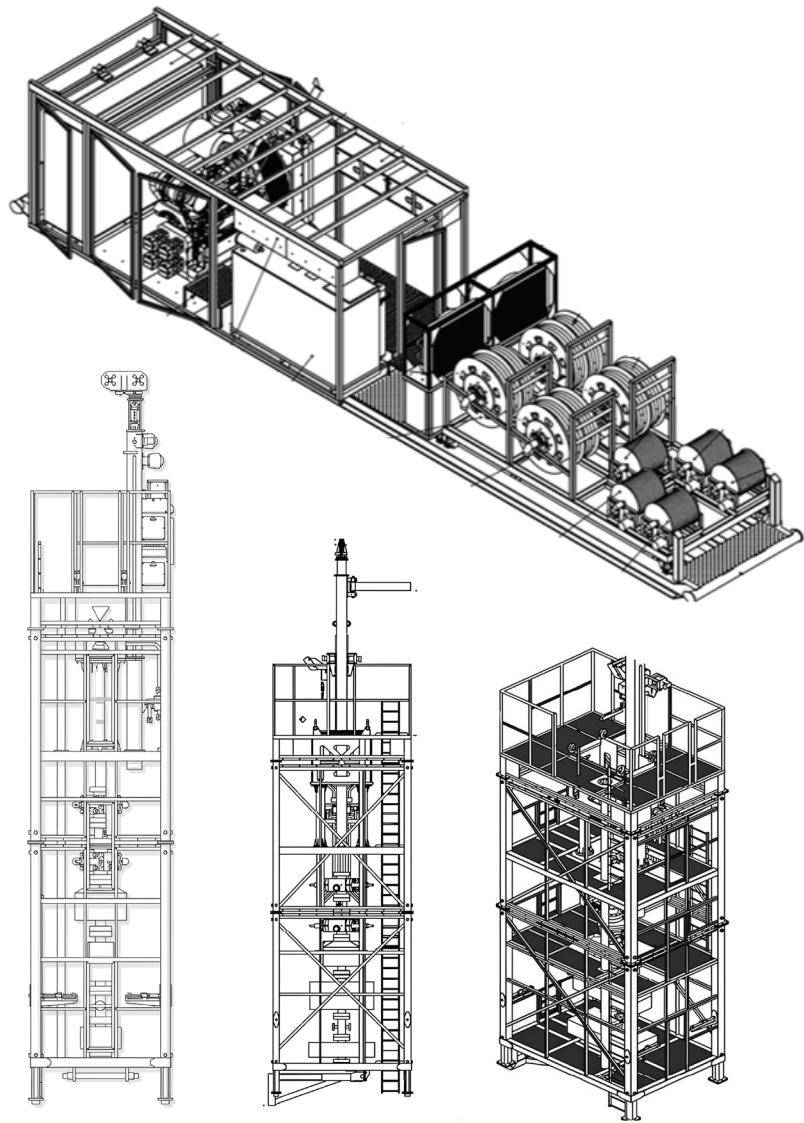


# 230K – RIG10



Piston's all new Free Standing, Single Pick, Fully Enclosed Hydraulic Workover Unit is the first of its kind in Canada designed to **MAXIMIZE SAFETY & EFFICIENCY** in jointed pipe milling.



We are committed to providing the best, most predictable and repeatable services through innovative equipment and expert job design on a well-to-well basis.

**DISCOVER HOW WE CAN MAKE A DIFFERENCE FOR YOU!**

## KEY FEATURES

### FULLY ENCLOSED UNIT

- Reduced heat losses
- Increased crew productivity
- Improved DROPS and Fall Protection

### SINGLE PICK

- More efficient rig up & swing time from well to well
- Standing iron connections are done at ground level

### FREE STANDING AND INTEGRATED SUB STRUCTURE

- Eliminates wellhead loading
- Smaller footprint for space-limited locations

### INTEGRATED FLUID CONTAINMENT

- Allows wet tripping
- Captures spills from string and unit

### HIGH TORQUE ROTARY SYSTEM

- Proprietary Halo slip swivel maintains positive pressure on slips
- Integrated torque track allows full jack strokes at full torque while rotating
- Protects cylinders from buckling forces

### INTEGRATED GIN POLE

- Includes 2 dual counterbalance winches for safer pipe handling
- Includes 1 heavy winch for BHA handling

### AUTOMATED AND REMOTELY OPERATED PUMP

- Eliminates communication errors
- Operator control
- Efficient connections

### REAL TIME DATA MANAGEMENT

- Customized capture of well data & performance metrics



## SPECS

<b>MAX HOIST</b>	102,000 daN / 230,000 LBS
<b>MAX SNUB FORCE</b>	57,800 daN / 130,000 LBS
<b>ROTARY</b>	10,000 FT-LBS, 120 RPM
<b>TUBULAR HANDLING</b>	Integrated Lay-Down Line System
<b>TRIP SPEED</b>	60 Joints / hr. @ 85,000 daN / 191,000 LBF
<b>DRIVE SYSTEM</b>	2 Leg, 12' Stroke
<b>PUMP</b>	Dual 1,050 HP 10K
<b>TOTAL UNIT WEIGHT</b>	49,895 KG / 110,000 LBS
<b>BOP'S</b>	7-1/16", 10K Class 3 Ram to Ram BOP Stack w/Shears. 3" Flow Cross w/addl. Lower Pipe Rams below Flow Cross, 5-station, 120-gallon Accumulator
<b>POWER PACK</b>	800 hp
<b>MAST</b>	60 ft X 5,000 LBS with 2 Counter-Balance Winches and 1 Heavy Winch
<b>PIPE SIZE</b>	26.67mm - 139.7mm / 1.050" - 5.5"
<b>THRU BORE</b>	179.4mm / 7-1/16"
<b>SLIPS</b>	Nu Energy 230k Slip Bowls
<b>MUD TANK</b>	40m <sup>3</sup> - 2 Compartment and pill tank, all with agitators. Chemical injection system & heated tote storage