

## FloorHand FH-80

The FloorHand FH-80 has been designed for ease of operation considering the highest standard for safety, while providing a tool to the industry with economics and efficiency in mind.

The FloorHand FH-80 is available as a hanging version or in combination with a manipulator arm to well center and mousehole use.

The FloorHand FH-80 can be controlled directly on the tool or remotely through a standalone control panel or drillers' panel.

### Benefits & Features:

#### Safety:

- Replaces manual tong handling
- Reduces physical exposure to the rig
- One size fits all, eliminating size component change-overs

#### Economics:

- Best value in the industry
- Least amount of standard operational spare parts
- Simple and easy to maintain
- No special tools for operation or maintenance

#### Efficiency:

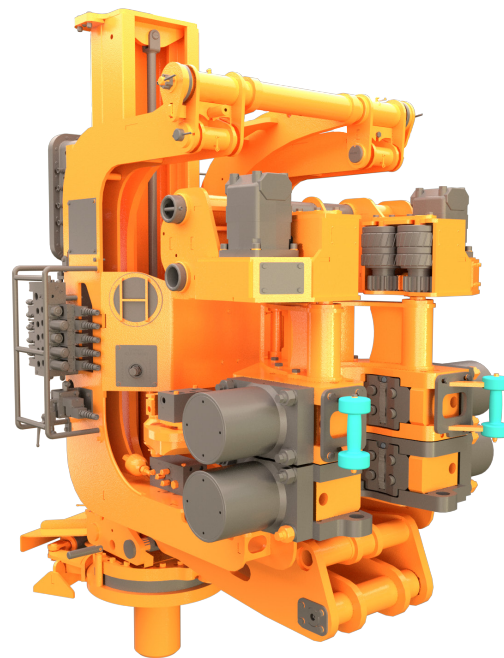
- Simple logic for operating the FloorHand
- Fast, repetitive and reliable make-up torque

#### Controls:

- Simple logic operating handles for FloorHand and manipulator arm
- Optional remote operation through standalone panel, integrated into drillers' console or wireless through a belly pack

#### Wrench Clamping:

- Opposing clamp cylinders self adjust to varying pipe sizes eliminating the need for manual adjustments



#### Torque Setting:

- Set torque once on the first connection
- Ft-lb read-out directly from gauge
- Torque adjustment and gauge located on FloorHand

#### Universal Die Block:

- One size fits all, eliminating Die Block change outs
- Uses standard tong dies
- Centering buttons for pipe alignment

#### Spinner Rollers:

- Clamping force of steel coupled with the compressibility of Griphane reduces pipe slipping
- Shoulders-Up pipe connection every time
- Quick and easy roller change out

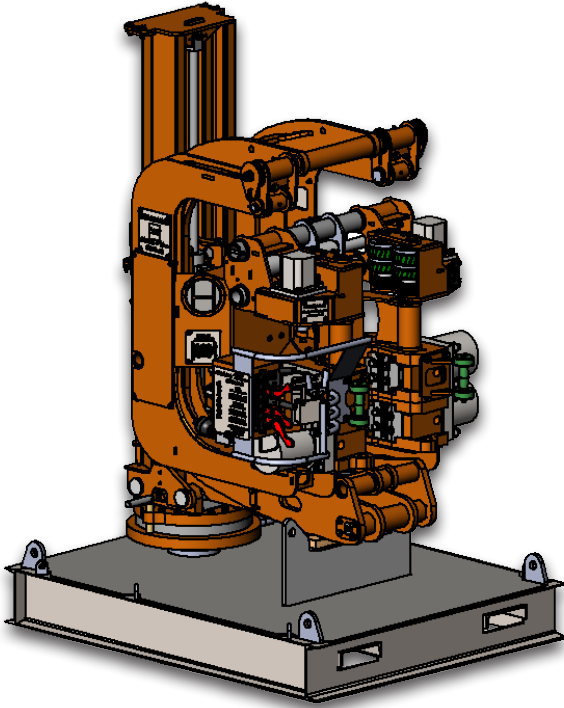
#### In Line Pressure Filter:

- Protects critical hydraulic components of the unit
- Extends lifetime and reliability by ensuring a clean hydraulic fluid

#### Self-Adjustable Pipe Stop:

- Engagement of Die Block self-adjusts the Pipe Stop to position it for proper pipe centering

## FloorHand FH-80



### Part Numbers (Standard Units):

- FloorHand: 9GF-3100 Cantilever Style FloorHand and Free Hanging Unit
- Manipulators: 9FM-3500 Cantilever Manipulator / 9FM-2050 Lift Cylinder Assembly
- Transport Skid: 9FH-01389 (Regular Units) / 9FH-01389-A (Automated Units) / 9FH-01388 (Regular Units Container) / 9FH-01388-A (Automated Units Container)
- Power Unit: 9PU-7200\*\* (Equipped with Cooler) / 9PU-7300\*\* (Equipped with Heater)

### Specification:

- Size Range: 4"OD-8 1/2"OD\* / 101.6mm OD-215.9mm OD
- Make-Up Torque: 65,000 ft-lbs / 88,300 Nm
- Break-Out Torque: 80,000 ft-lbs. / 108,500 Nm
- HPU Requirements\*\*: 2,600 psi @ 25 gpm / 172 bar @ 94 l/min

### Weights:

- 9GF-1002 Free Hanging Unit: 4,550 lbs. / 2,063kg
- 9GF-1100 Cantilever Style FloorHand: 7,200 lbs. / 3,274 kg
- Transport Skid: 980 lbs. / 444 kg
- Power Unit: 2,200 lbs. / 998 kg

\*3 1/8" OD (79.4mm OD) can be reached via adapter, 9FH-10703

\*\*It is recommended that the FloorHand is powered by the Forum Hydraulic Power Unit (9PU-7200 or 9PU7300)

