

# Hydrokor V In-Plant Coring Machine

Reduce vibration  
and improve coring  
efficiency



Trelleborg's engineers have further advanced the Hydrokor V's rugged, reliable design through improved torsional and bending stiffness in the main frame and by adding mass in the coring platform. The result is greatly reduced vibration and improved coring efficiency.

Another design goal of the Hydrokor V was to utilize as much proven "off-the-shelf" technology as possible to reduce maintenance cost and speed repair times. Everything from the standard hydraulic valves to the bearings can be sourced through suppliers local to customer locations. This minimized the number of parts needed by customers and holds down the cost of spare parts by using high volume industrial components.

The modular design allows the machine to be set up for left or right hand operation, adding a second turntable for higher throughput, and upgrading from a two-speed to four-speed operation for larger hole sizes.

## GENERAL:

4" - 60" core drill capacity

Field upgradeable drive train.

Left- or right-hand control, field configurable.

## POWER UNIT:

20 HP heavy-duty power/control unit with premium quality components (Barnes pump, Baldor motor).

Unit can be field configured for left or righthand control

Power unit can be floor mounted or machine mounted.

Digital turntable display

Hour meter

Rugged Gresen heavy-duty equipment valves

Hydraulic Auto-Feed System

Optional Digital Elevation and Digital Feed Displays.

## **ELEVATION FRAME:**

14 inch extended height standard. Drill center line to manhole positioner is 8 inch - 74 inch (66 inch net stroke).

2 Sheffer Hydraulic Cylinders for rapid elevation adjustment. Counter-balance safety

Valve for fail-safe operation

Solid elevation posts for improved stiffness and reduced vibration

Replaceable high-performance Nyloil bearings.

Extended-height units can be equipped with hinged base for shipping in a high cube trailer, reducing shipping costs.

Optional light-duty core drill hoist.

## **DRIVE TRAIN:**

Ultra solid drive platform made of 3" solid steel for smooth coring

Single and dual speed models use a direct drive hydraulic motor

Heavy-duty water swivel with ball bearing

Four-Speed Heavy-Duty Funk/John Deere® HMD 12700 transmission

Heavy-duty Seal Master main bearings.

## **FEED FRAME:**

48-inch feed with Sheffer Hydraulic Cylinder

V-groove rollers with heavy-duty, double-taper bearings

Extra-heavy 22 pound per foot steel rail frame

## **TURNTABLE:**

4-inch tall positioners allow structures to be lifted on and off with a forklift

Independent 90-inch diameter turntable design allows for flexible configurations

Synchro Drive Encoder System for turntable digital readout

