



# ***SERIES 500***

## ***Core Strength***



Heavy duty turret-mounted unit gives you rock solid, dead accurate coring results 270° around the vehicle.

*The cutting edge in keyhole technologies™*

# Utilicor Rotary Coring Unit (Series 500) Specifications

## Understructure:

6" @ 10.5lb/ft structural channel sills, running the full deck length with six bolt on hold down assemblies.

## Decking:

Full 1/8" checker plate decking, 96" wide, running the full length of the bed with formed structural deck reinforcements.

## Coring and Manipulator Assembly:

25" diameter rotating turret assembly with worm gear rotation and guard fastened to understructure and decking. 270 degree rotation, hydraulically operated vertical arm assembly, with horizontal storage positioning and hydraulic auto control ring hold down system. 12" to 24" diameter wet drilling core bit with 48" travel stroke using fine proportional control.

## Water system:

100 USG plastic water tank assembly located on the horizontal boom. Hydraulically driven high-pressure water pump, 5.5 G.P.M. @ 1500 P.S.I. with 25 ft of 3/8" hose and high-pressure handgun. Electric water pump, 1.3 G.P.M. @ 30 P.S.I. and includes 1/2" diameter water hose running to gland assembly on cutter drive shaft for cooling of cutter head and additional hose for cleaning and cooling outside of cutter. Optional winterizing package.

## Stabilizers:

Two rear stabilizer legs, hydraulically operated.

## Drive system:

Power-take off installed on truck transmission.

## Hydraulic System:

Hydraulic load sense pump, drive line mounted to PTO with MH3 HydraPak hydraulic cooling system complete with 25 gallon hydraulic reservoir. Includes suction and return lines, sight glass, temperature gauge, fill port, drain port and oil filter.

## Control System:

Plug in remote pendant control with 25 foot cable extension for operation of manipulator/cutter assembly and stabilizers, with boom mounted control panel and emergency shut down switch.

## Tool Boxes:

2 Under-deck mounted Toolboxes (72" L x 20" H x 18" D)

## Paint:

Sand blasted, powder coated primer and powder coated finish coat (50% gloss black)

## Included Options:

Traffic Cone Carrier installed on the deck  
Deck mounted Utility Storage Area 28 or 22 square foot (see Deck Length)  
Spare Drum Carrier installed on the deck  
Dual LED flashing amber strobe lights

## Basic Coring Package (extra):

One 18" diameter Pro II diamond segment coring drum with "A" flange drive adapter, one steel pilot shaft, one 2 3/8" bi-cone pilot bit, or a 2 3/8 tri-tooth carbide bit, 16" diameter pavement protecting impact plate and one standard core-puller.

## Core Hoist (optional):

Powerful 500+ lb capacity boom-mounted core hoist (12V) that safely and easily handles the heaviest 18-inch or 24-inch diameter cores.

## Deck Length:

We offer a choice of deck length depending on whether or not you want a larger on deck storage area or a shorter overall length.

The longer unit with a 14.7-foot deck and 28-square foot on-deck storage area mounts on a cab & chassis with a 201" wheelbase and a Cab to Axel length of 120".

The shorter unit with a 13.3-foot deck and 22-square foot on-deck storage area mounts on a cab & chassis with a 189" wheelbase and a Cab to Axel length of 108". Both units are priced the same. [The longer model is shown in the illustration.]

## Ford Vehicle Specifications (Typical):

20XX FORD F550/450 4x2 Chassis Cab (dual rear wheels)  
Wheelbase: 189 inches  
Cab to Axel: 108 inches  
Rear Overhang (AF): 47.5 inches  
Fuel Tanks: Mid-ship fuel tank ONLY (No Rear Tank)

### Recommended Vehicle Options

99R: 6.4L V-8 Diesel Engine  
44B: Torqshift 5-speed Auto Transmission  
THB: 225/70R19.5G Traction  
X8L: 4.88 Ratio Limited Slip Axle  
68M: Payload Plus Package Upgrade: 19500 GVWR  
62R: Transmission PTO Provision (Required)  
525: Cruise Control (Required)  
67D: Heavy Duty Alternator

