

MPX-SS

MULTI-PLATFORM CORING UNIT WITH SIDE-SHIFT

MPX-SS Coring Unit Side-Shift Option

The optional side-shift positioning system on the MPX Coring Unit allows the core drill to be shifted side-to-side across the full width of the MPX Coring Unit, giving the crew the flexibility to adjust the coring location behind the truck or trailer without repositioning the vehicle.

The coring mast is mounted on a unique, heavy-duty system of precision, maintenance free DryLin®-R housing, bearings and rails that require no lubrication or adjustment, to ensure years of trouble-free use.

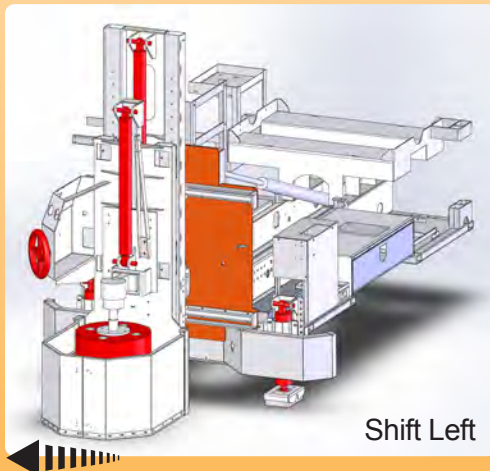
Smooth, precise, intuitive, side-to-side adjustment is achieved through a positive-stop, 12V powered actuator, controlled by a simple, easy-access, top-mounted control switch.

No lockdown levers and no manual pushing or pulling required. The side-shift adjustment system is both safe and easy to use.

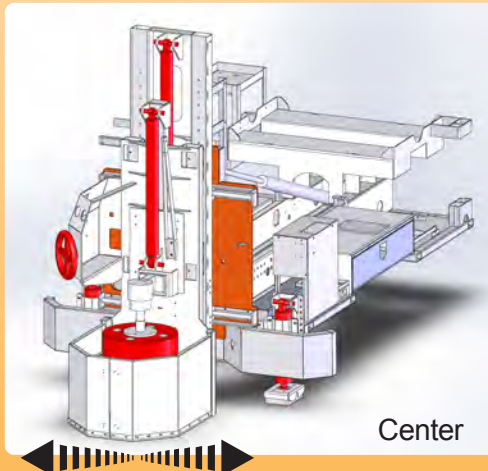
The side-shift is available on both truck and trailer mounted versions of the MPX Coring Unit.



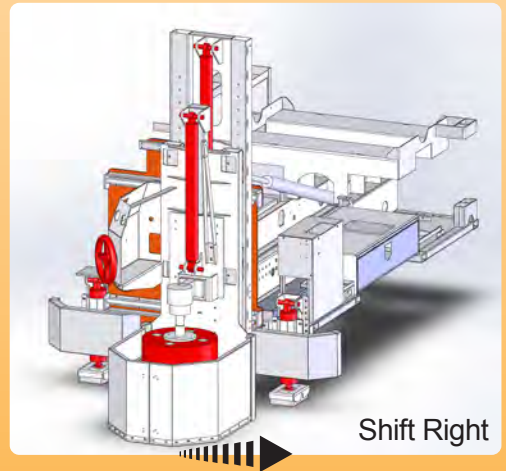
Mounts on Truck or Trailer.



Shift Left



Center



Shift Right

The **side-shift** allows for the the core drum to be adjusted up to 10 inches left or right of center for easier postioning of the MPX.

The cutting edge in keyhole technologiesTM

MPX Coring Unit: Specifications

Understructure:

Structural channel sills, running the full deck length with bolt on assemblies for installation on to truck or trailer.

Coring and Manipulator Assembly:

Dual stage mast deployment system accommodates a variety of deck levels or trailer heights. Up to 24" diameter wet drilling core bit capacity with linear glide system and proportional orbital hydraulic drum feed system.

Water system:

100 USG plastic water tank. Hydraulically driven high-pressure water pump, 5.5 G.P.M. @ 1500 P.S.I. with 15 ft of 3/8" hose and high-pressure handgun. Electric water pump, 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.

Stabilizers:

Two rear mounted hydraulic stabilizer legs.

Hydraulic System:

38 H.P. Kohler gas engine creates over 18 GPM of hydraulic flow at 2200 PSI. Hydraulic gear pump, with hydraulic cooling system complete with 15 gallon hydraulic reservoir. Includes suction and return lines, sight glass, temperature gauge, fill port, drain port and oil filter, with PVG proportionate hydraulic valves.

Control System:

Plug in remote pendant control with 15ft cable extension for operation of manipulator/cutter assembly and stabilizers, with boom mounted control panel and emergency shutdown switch. Digital coring drum R.P.M. read out.

Tool Boxes (Trailer Mounted)

Two side-mounted locking storage boxes. (36"W x 20"D x 10"H)

Rear Bumper (Truck Mounted):

Integrated wrap around checker plate bumper with licence plate mount and light.

Paint:

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

Basic Coring Package (extra):

18" diameter ProCor diamond segment coring drum with "A" flange drive adapter, steel pilot shaft, bi-cone pilot bit or tri-tooth carbide pilot bit, pavement protection impact plate, standard core-puller, and Utilibond mixing paddle.

Core Hoist (optional):

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

Winterizing System (optional):

Glycol wintering system for operation in colder climates.



Required Vehicle Specifications:(Truck Mounted)

- Pick up truck or flat bed truck
- GVRW 9900 lbs. or greater
- 8 foot truck bed (min.)

Required Tow Vehicle Specifications: (Trailer Mounted)

- Trailer brake with adjustable gain
- Trailer light hook up
- 2" receiver or greater with 5000 lbs. capacity

Coring Unit Weight:

- Weight (water tank empty): 2800 lbs.
- Weight (water tank full): 3600 lbs.

Accommodates Deck Heights:

- 24" up to 38"

Dimensions:

- Length: 102"
- Width: 65"

Capacities:

- Water Tank: 100 Gallons
- Drum Speed: 0 - 280 RPM
- Coring Drum Diameter: up to 24"
- Coring Drum Depth: up to 22"

Available Coring Unit Options:

- Core Hoist (500 lbs. capacity)
- Winterizing System
- Side Shift

Utilicor Trailer Specifications (Optional)

- Tandem axle trailer with 6000 lbs. capacity
- Axle type: spring with double eye overslung
- Electric brakes (both axles)
- Breakaway switch with battery kit
- Adjustable Pintle
- NATM certified
- Connector: 7 pin RV
- Paint: black epoxy
- Safety chains: 5/16" gold chains and hooks
- Wiring: sealed harness
- Weight: 1200 lbs.
- Dimensions: 98"L x 72"W (trailer bed) Overall length: 149"