

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.

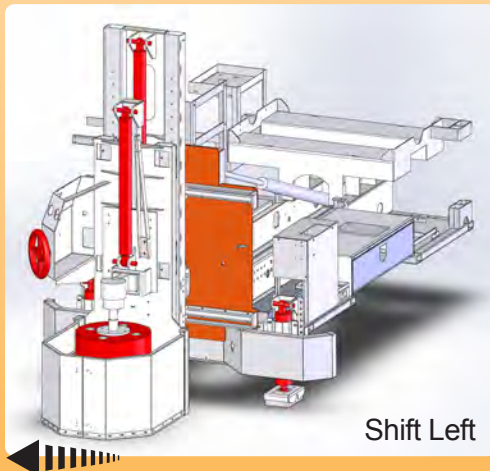
Smooth, precise, intuitive, side-to-side adjustment is achieved through a positive-stop, 12V powered actuator, controlled by a simple, easy-access, top-mounted control switch.

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

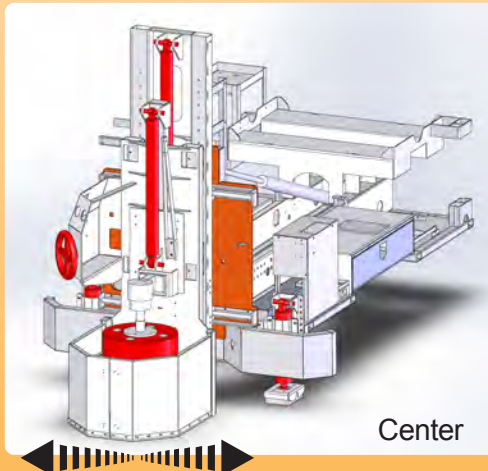
The side-shift is available on both truck and trailer mounted versions of the MPX Coring Unit.



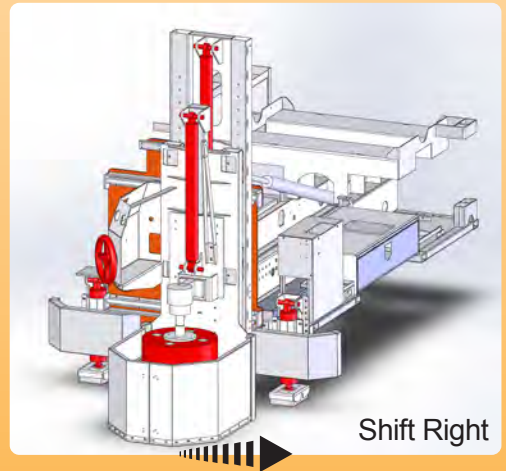
Mounts on Truck or Trailer.



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-SS Coring Unit (Truck or Trailer Mount) - Specifications

Understructure:

Steel tubing, running the full deck length with six bolt down assemblies for installation onto 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.

Side Shift Feature:

The side-shift positioning system allows the core drill to be shifted side-to-side 20-inches across the width of the MPX-SS Coring Unit. Hydraulically actuated.

Water system:

100 USG plastic water tank. 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 auxiliary hose for cleaning and cooling outside of cutter.

Stabilizers:

Two rear mounted hydraulic stabilizers.

Hydraulic System:

26.5 H.P. gas engine creates over 18 GPM of hydraulic flow at 2200 PSI. Hydraulic gear pump, 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 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, emergency shutdown switch and digital coring drum R.P.M. read out.

Paint:

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

Rear Bumper (optional): Truck mount only

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

Storage (optional): Trailer mount only

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

Core Hoist (optional):

500 lb capacity core hoist. (12V)

Winterizing System (optional):

Glycol wintering system for operation in colder climates.

High Pressure Wash System (optional):

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.



Basic Coring Package (extra):

12", 18" or 24" diameter ProCor diamond segment coring drum with "A" flange drive adapter, steel pilot shaft, pilot bit, pavement protection impact plate, standard core-puller, and Utilibond mixing paddle.

Recommended Vehicle Specifications:

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

Coring Unit Weight:

- Weight (water tank empty): 3400 lbs.
- Weight (water tank full): 4234 lbs.

Accommodates Deck Heights:

- 26" up to 40" (specify deck height on order)

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"
- Side Shift Capacity - 10" either side of center

Available Coring Unit Options:

- Core Hoist (500 lbs. capacity)
- Winterizing System
- High pressure wash system
- Stabilizer "deployed" warning system
- Diesel Engine / Upgrade
- Bumper for pick up truck
- Storage boxes for trailer

Utilicor Trailer Specifications (Optional)

- Tandem axle trailer with 5600 lbs. capacity
- Axles: 2 x 3500 lbs.
- Axle type: spring with double eye overslung
- Electric brakes (both axles)
- Breakaway switch with battery kit
- NATM certified
- Connector: 7 pin commercial
- Weight: 1200 lbs.
- Dimensions: 98"L x 72"W (trailer bed)