

# CME 850



**Yellow Jacket Drilling**  
1-888-4YJDRIL (1-888-495-3745)  
yjdrilling.com

The angle or vertical capable CME 850 can get you to locations that are inaccessible to any other type of drill rig. The 33 inch wide tracks spread the surface contact area of this all-terrain track drill over more than 8,800 square inches. The ground bearing pressure is only 2.9 psi. That's less than the average man's footstep!

The CME 850 can go places you can't even walk. The high flotation allows you to negotiate mud, snow, or sand. And the walking beam suspension easily climbs over obstacles such as rocks and fallen logs. This rig has a very low center of gravity which provides the stability needed in off-road conditions. We have not come across any location that this rig and its Morooka track-mounted support vehicle cannot get to!

With 14,300 foot pounds of torque, the CME 850 can handle hole sizes up to 14 inches in diameter using hollow stem augers, and can easily be adapted to rotary drill, wire-line core, or conventional core using various methods.

The CME 140 lb. automatic sampling hammer provides extremely consistent and accurate Standard Penetration Test (SPT) results, meeting all ASTM-D-1586-99 requirements. There are no ropes or cables to impede the free-fall of the weight. A viewing slot allows you to safely verify the 30" fall height.

## rigspecs



### Carrier

Track width – 33 inch • Ground bearing pressure – 2.9 psi  
Inside turning radius – in place • Drive – Hydrostatic  
Hydraulic front winch – 15,000 lbs

### Speed

Low range – 2 mph • High range – 8 mph

### Gradeability

Straight ahead climb – 60% grade  
Side-hill traverse – 40% grade

### Engine

Cummins QSB5.9-30-TAA turbocharged diesel engine, rated 200 hp.

### Hydraulic Hoist

Pullback - 12,000 lbs • Rate - 133 ft. per minute

### Rotary Drive

Power transmission - 5 speed forward, 1 speed reverse  
Rotary Torque - 14,300 ft. lbs • Rotary speed - up to 600 rpm

### Hydraulic Feed System

Retract Force - 28,275 lbs. • Hoist Rate - 90 ft. per minute  
Stroke - 72 inch

### Leveling System

Three jacks, inverted design with chrome-plated piston rods enclosed at all times.

### Other Rig Specs

33 ft. mast • 3 speed cathead • Hydraulic rod holder  
Automatic Hydraulic SPT hammer • Moyno 3L8 pump  
Hydraulic breakout wrench

### Available Support Equipment & Tooling

8", 10", and 12" Extra Heavy Duty augers  
CME Dry Core System with 5' core barrels  
Multiple lead auger assemblies  
Stainless steel split-spoon samplers • 1.5 yard mini-dumpsters  
Custom decontamination trailer  
140# Inhole wireline sampling hammer  
Hex rods • NW rods • Hand augers • Forklift or Bobcat  
Cement mixer/pump • Sampler tripod/vice  
Tremie pipe • Welder and cutting torch

### Spindle brake stops in an instant

Emergency spindle brake can stop rotation in less than a revolution. This system is activated by two conveniently located push button switches, as well as by strategically located, multi-directional wobble switches.

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