

Introducing the

VACMASTERS

SYSTEM 6000

Now Pothole and Trench in More Difficult Soils Faster Than Ever Before!



The SYSTEM 6000 is:

- **Powerful**—77% more power than our SYSTEM 4000
- **User-friendly**—featuring a wireless-remote-operated hydraulic vacuum hose boom
- **Versatile**—both air and water on board
- **Safer**—most importantly, air is safer, both for the operator and utilities

Air is economical!

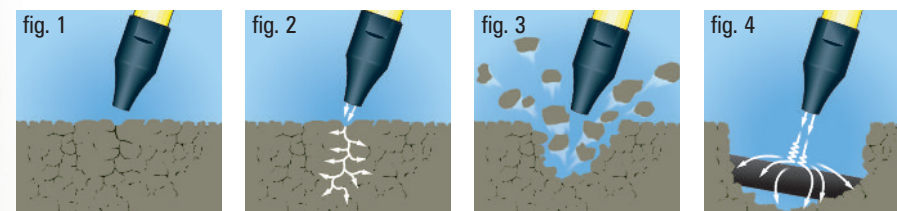
Completely eliminate the time and costs associated with mud hauling and disposal. Think how much more time will be spent on the job doing billable work rather than traveling back and forth to a dump site to get rid of all that mud created by a hydro excavator, and you'll also appreciate the fuel savings.

Our air technology does the work faster, easier, and safer.

It's no secret. Air-Vacuum Excavation is the best way to get to buried utilities for verification or repair. Using pick and shovel crews is dangerous, labor-intensive, and expensive. Potholing with water and then vacuuming the wet spoils is cumbersome, messy, and could damage the very utilities you are trying to locate or repair. VACMASTERS has pioneered the use of air, making potholing safe, efficient (3–5 minutes with the System 6000), less costly, and protective of buried infrastructure.

Unleash the power of air!

The SYSTEM 6000 uses supersonic air to penetrate, expand and explode the soil from within while keeping it dry for easy vacuuming and quick backfilling. Here's how VACMASTERS Air-Vacuum Excavation Systems work:



All soils contain minute cracks and fissures (fig. 1). VACMASTERS supersonic air stream, delivered through its Air-Tec™ nozzle at 250 psi, is forced into these microscopic pockets (fig. 2). The crevices explode from the energy built-up from the forced compressed air, crumbling the soil and leaving it dry for easy vacuuming and backfilling (fig. 3). As the cable or utility is exposed, the air stream hits its non-porous shielding, compresses, and harmlessly flows around it (fig. 4).

Never before seen power from the World's Most Powerful Air-Vacuum Excavation System. The **VACMASTERS SYSTEM 6000** is the first Air-Vacuum Excavation System with the power to *trench* as well as pothole. Designed from the ground up to:

- **Lower Costs** • **Reduce Injuries**
- **Eliminate Damage Claims**

The VACMASTERS SYSTEM 6000 will increase revenues and profitability by doing more work in less time than hydro excavators.

Use VACMASTERS Air-Vacuum Excavation for:

- Underground utility location and verification
- Potholing and trenching
- Natural gas pipeline bell joint leak repair
- Cathodic protection installation
- Gas or water line service terminations or installations
- Manway and valve box cleaning and maintenance

There's a VACMASTERS air-vacuum excavation system* designed to handle your jobs, big or small.

SYSTEM 6000 — Largest, most powerful, boom operation, trenches and potholes.

SYSTEM 5000 — Modest size, big power, dig and vacuum fast in all soil conditions. Efficient backfilling. Multiple uses.

SYSTEM 4000 — Mid-priced, versatile, our most powerful non-CDL system, great all-round air-vacuum excavation system.

SYSTEM 3000 — Highly maneuverable, smaller, goes where the big systems can't and potholes with force.

SYSTEM 1000 — Affordable, trailer, truck, or skid mounted air-vacuum excavation.

*All have water on board as a backup and for cleanup purposes.

To see VACMASTERS air in action, view our demo at www.vacmasters.com or for more information, call 1-800-466-7825 or e-mail us at sales@vacmasters.com

VACMASTERS

The Leader in Air-Vacuum Excavation

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www.vacmasters.com

SYSTEM 6000 Benefits

(continued from opposite side)

SELF-PURGING FILTRATION SYSTEM

- Reverse-flow air automatically cleans the system filters
- Greatly reduces maintenance and downtime, increasing production and profitability

FAST-ACTING INTERCEPTOR CANISTER

- Rear-mounted canister collects soil and hydraulic dump door quickly dispenses it for fast, easy backfilling.
- Saves time, increases production, reduces costs and increases profitability
- Keeps dry and wet spoils separate

SINGLE-ENGINE DESIGN

- Powerful John Deere Tier-4-Final-compliant turbo diesel engine drives all systems; vacuum, air and water
- One engine to maintain reduces maintenance costs and increases profitability

WORLDWIDE FACTORY WARRANTY SERVICE

- Authorized VACMASTERS service facilities are available worldwide
- Fast, efficient factory support reduces downtime, increases production and profitability

REMOTE OPERATION

- Operate up to 200 ft. away from the system for jobs offering difficult access
- Barrel-Top Interceptor keeps spoils right at the site for fast, easy backfilling
- Reduces costs, increases production and profitability

WELL-DESIGNED TOOL AND EQUIPMENT STORAGE

- Crossbody and underbody storage boxes and compartments provide plenty of space for transporting and storing tools and equipment
- Convenient jackhammer and tamper storage areas
- Eliminating support vehicles reduces costs and increases profitability

DEDICATED COMPRESSED AIR SUPPLY WITH AUTOMATIC OILER FOR AIR TOOLS

- Eliminates the need for a separate air compressor
- Reduces costs and increases profitability

SYSTEM 6000 Benefits

AIR-VACUUM EXCAVATION EFFICIENCY

- Eliminates need to continually transport and dispose of mud spoils and replenish water supplies
- Spoils stay dry for fast, efficient backfilling
- More time spent on the job means reduced job costs and increased revenues and profits

AIR-VACUUM EXCAVATION SAFETY

- Unlike water, a non-compressible fluid that can cut or otherwise damage utilities, air is compressible, won't damage utilities and is non-conductive
- Water is conductive, making it especially dangerous around buried electrical utilities—Air-Vacuum Excavation makes injuries and damage claims much less likely and results in increased revenues and profits
- Air won't damage the roadbase and won't spread contamination plumes.

POWERFUL 250 H.P. ENGINE AND 350 CFM/250 PSI AIR COMPRESSOR

- Potholes—and trenches—faster than ever before in difficult soils, performing more work in less time
- Reduces job costs, increases revenues and profits

POWERFUL POSITIVE DISPLACEMENT BLOWER — MAX 2,200 CFM/16" HG

- Top-notch vacuum performance for potholing and trenching spoils as well as directional boring slurry
- 5" vacuum hose for fast, efficient vacuuming in all soil conditions
- Faster vacuuming means reduced job costs and increased revenues and profits

THREE-WAY HYDRAULIC-POWERED VACUUM HOSE BOOM

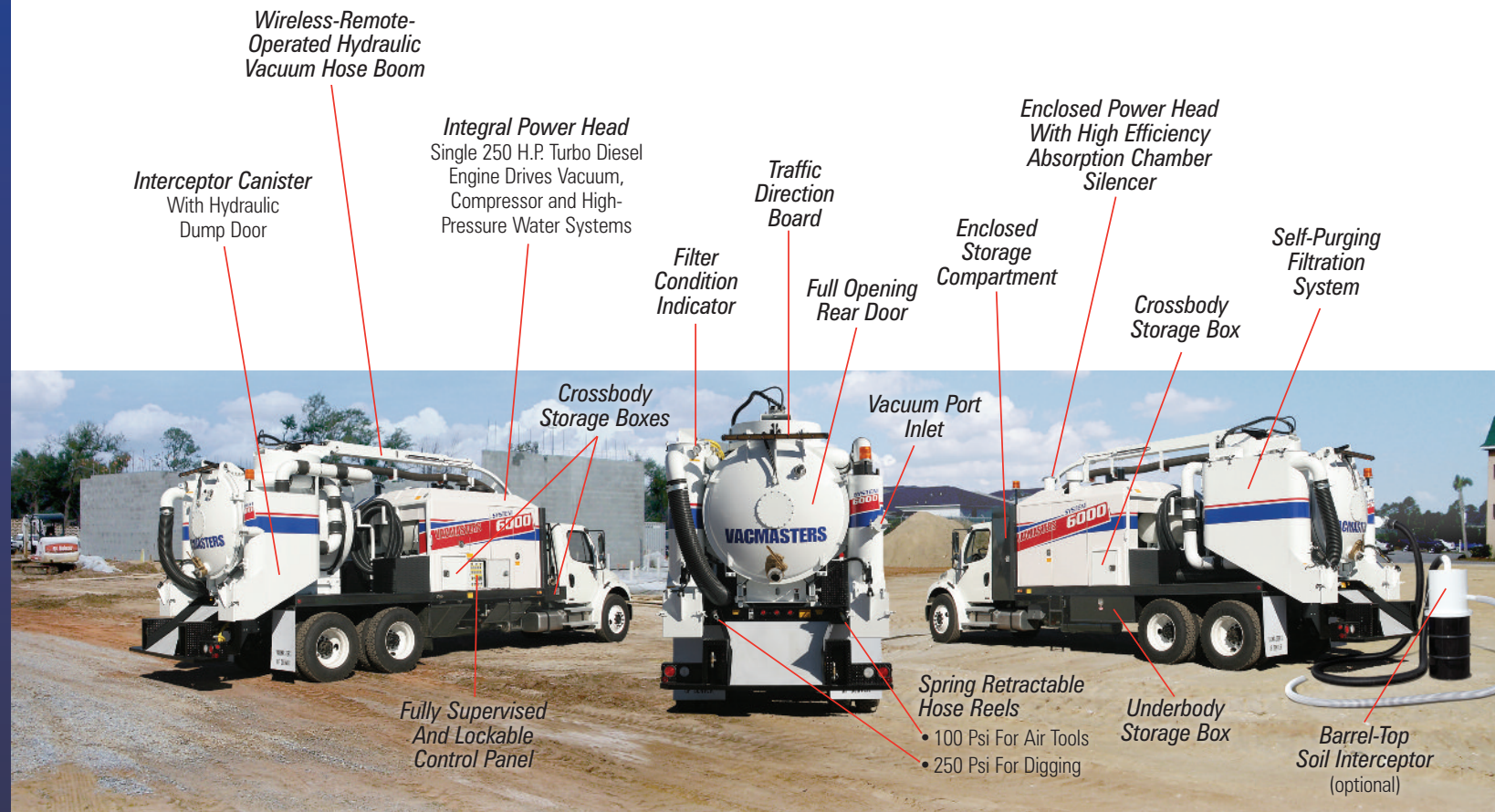
- Faster, easier and SAFER operation with wireless-remote-operated boom
- Reduces job costs and injuries, increases revenues and profits
- Allows operator to effortlessly vacuum spoils created from potholing and trenching

HYDRAULICALLY POWERED, FULL-OPENING REAR DOOR

- High performance UHMW polyethylene spoils tank liner promotes faster, easier emptying of spoils
- Saves time, reduces job costs, increases profits

(benefits continued on opposite side)

SYSTEM 6000 Features



SYSTEM 6000 Specifications

POWER SOURCE

Engine Type: 6 Cylinder Turbo Diesel
 Model: John Deere Tier 4 Final
 Power Rating: 250 H.P.
 Fuel System: Interconnected to truck system
 Power Transfer: Direct belt drive

OPERATIONAL DATA

Vacuum: 2,200 CFM Max.
 16" Hg Max. Vacuum
 5" hose with wireless-remote-operated hydraulic boom
 Compressor: 350 CFM @ 250 PSI (Air Lance)
 350 CFM @ 100 PSI (Air Tools)
 High Pressure Water: 0–3,000 PSI @ 4 GPM
 Low Pressure Water: 0–1,000 PSI for clean-up

TANK CAPACITIES

950 Gallon spoils tank with hydraulic hoist and full-opening rear door
 85-gallon water tank

OPERATOR CONTROL PANEL INSTRUMENTATION

Fully Supervised, Automatic Shut-Down:

- Engine RPM, temperature, oil pressure
- Compressor air pressure, temperature

DIMENSIONS and WEIGHTS

Length: 34' 10"
 Width: 8' 0"
 Height: 12' 7"
 GVW: 52,000
 Empty Weight (lbs.) 38,400*
*Standard Configuration

HOSES

33' of 4" Smooth-Bore Vacuum Hose
 25' of 5" Smooth-Bore Boom-Mounted Vacuum Hose
 50' of 1" High-Pressure Air Hose
 50' of 3/4" Air Hose for air tools
 50' of 3/8" High-Pressure Water Hose

STANDARD EQUIPMENT

- (2) Retractable Air Compressor Hose Reels (high and low pressure)
- Fiberglass Air Lance w/Air-Tec™ Nozzle
- (4) 5' x 5" aluminum vacuum tube extensions
- (2) Crossbody storage boxes: 10.5"H x 88"L x 22"W; 22"H x 96"L x 22"W
- (1) Underbody storage box: 18"H x 60"L x 18"W
- (1) Vertical enclosed storage compartment: 62"H x 8"D x 22"W
- Traffic Direction Board (L.E.D.)
- High-Pressure Water Wand
- Low-Pressure Water Wash-Down Wand
- Jackhammer and Tamper Storage
- Winterizing System
- (2) Flashing Beacons
- Digging Shield

OPTIONAL EQUIPMENT

- Work Lights
- Barrel-top Soil Interceptor
- 4.2 KW A.C. Generator
- Sandblast System
- Additional Water Supply (up to 400-gallon)