

**Rugged Performance
For Extreme
Excavation!**



**VACMASTERS
SYSTEM 5000**



Introducing the VACMASTERS SYSTEM 5000

Powerful, fast, economical potholing—and more!

Our expertise is well grounded.

VACMASTERS has been the leader in air-vacuum excavation for more than three decades. We pioneered the technology for a safer, more economical way to pothole, eliminating both the risks of personal injury associated with using high-pressure water and the need to haul off muddy spoils and then return with dry backfill. Air will not rupture cables or conduct electricity, unlike water which exposes your company to liabilities and your crew to its inherent dangers.

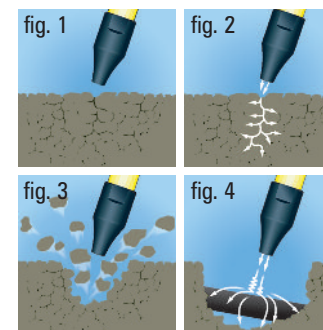
Power with a purpose

The digging speed of the *SYSTEM 5000* is substantially faster than the *SYSTEM 4000*, with only a negligible increase in overall size. Dig a 12" x 12" x 5' pothole in four to five minutes on average. The 5000's high-intensity, supersonic compressed air is a solid performer in rock-hard soils, second only to our largest system, the boom-equipped *SYSTEM 6000*. Easy to operate and user-friendly, this system has a full-opening rear door, so backfilling is fast and efficient. Its modest size and built-in, easy-access storage allows a two-man crew to set up for digging quickly and stow equipment away in minutes when the job is done. The *SYSTEM 5000* makes sense both operationally and economically. Power means performance; performance means profit.

A potent weapon in your company arsenal

The System 5000 is a commanding excavation tool — the only one you'll need for underground utility location, repairs, maintenance, and installation. It uses intense air power to penetrate, expand and explode the soil from within while keeping it dry for easy vacuuming and quick backfilling. Here's how it works:

All soils contain minute cracks and fissures (fig. 1). VACMASTERS supersonic air stream, delivered through its Air-Tec™ nozzle at 220 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).



VACMASTERS Air-Vacuum Excavation can handle all kinds of excavation tasks:

- 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

Incredible power, features, and efficiency come together in one of our most versatile systems ever.

The *SYSTEM 5000* does it all. It's versatile and adaptable and offers high maneuverability with solid performance. It's dynamic in its many uses and is economical to operate — do more work in less time, anywhere.

- **MIGHTY** — Dig a trench.
- **TOUGH** — Pothole in record time.
- **POWERFUL** — Open up larger areas.

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

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SYSTEM 5000 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 air-actuated dump door quickly dispenses it for fast, easy backfilling.
- Saves time, increases production, reduces costs and increases profitability
- Keeps dry and wet spoils separate

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
- Optional 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 holsters
- On-board storage eliminates support vehicles, reducing costs and increasing 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 5000 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
- Reduced job costs mean 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 173 H.P. ENGINE AND 300 CFM/220 PSI AIR COMPRESSOR

- Potholes faster in difficult soils, performing more work in less time
- Opens up larger areas and trenches
- Reduces job costs, increases revenues and profits

POWERFUL POSITIVE DISPLACEMENT BLOWER — MAX 1,700 CFM/16" HG

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

HYDRAULICALLY POWERED, FULL-OPENING REAR DOOR

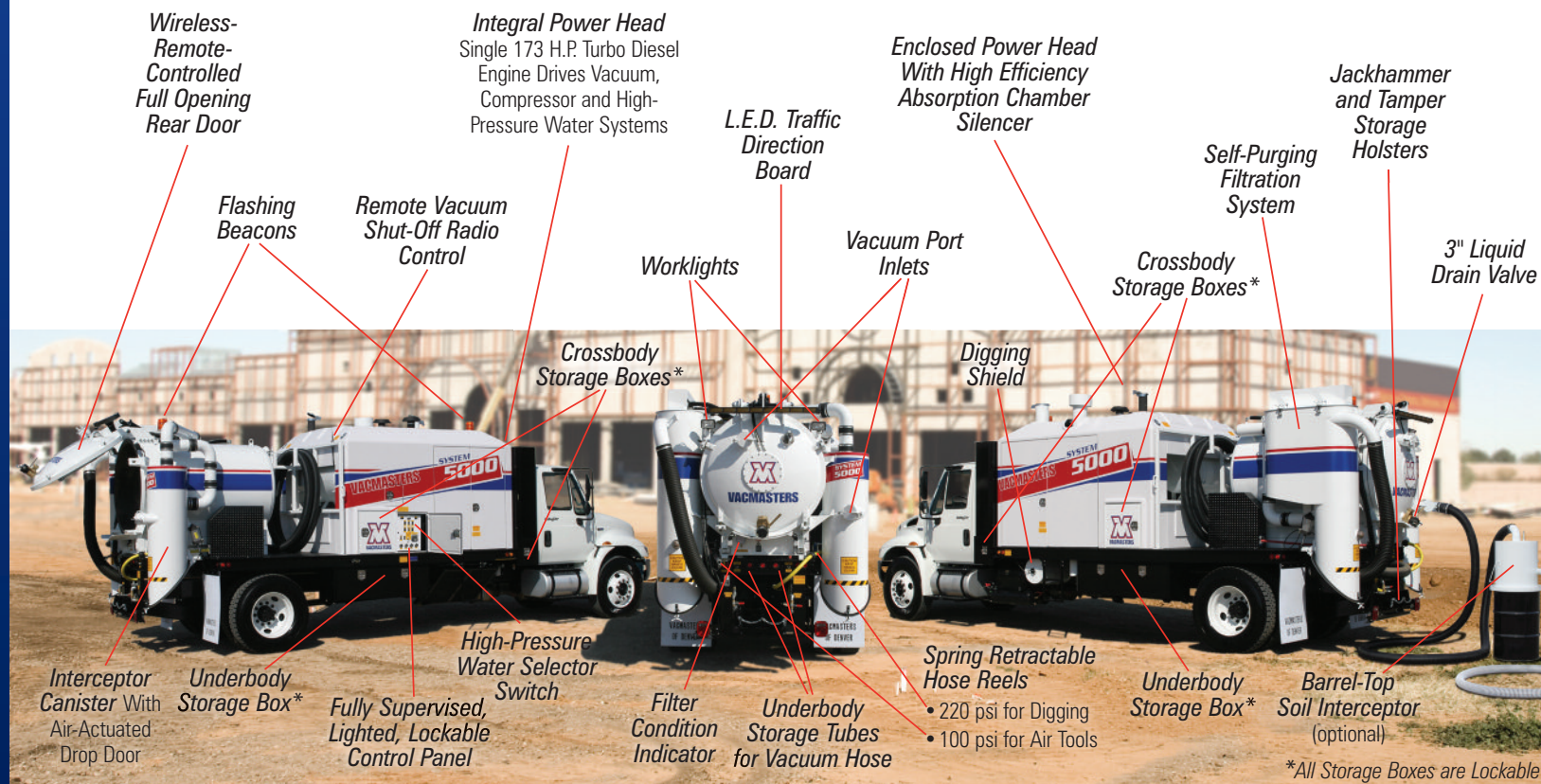
- Saves time, reduces job costs, increases profits

SINGLE-ENGINE DESIGN

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

(benefits continued on opposite side)

SYSTEM 5000 Features



*All Storage Boxes are Lockable

SYSTEM 5000 Specifications

POWER SOURCE

Engine Type: 6-Cylinder Turbo Diesel
 Model: John Deere Tier 4 Final
 Power Rating: 173 H.P.
 Fuel System: Interconnected to truck system
 Power Transfer: Direct belt drive

OPERATIONAL DATA

Vacuum: 1,700 CFM Max.
 16" Hg Max. Vacuum (4" hose)
 Compressor: 300 CFM @ 220 PSI (Air Lance)
 300 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

550-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: 29' 9"
 Width: 8' 0"
 Height: 11' 2"
 GVW: 33,000
 Empty Weight (lbs.) 26,320*

*Standard Configuration

HOSES

25' of 4" Smooth-Bore Plastic Vacuum Hose
 33' of 4" Smooth-Bore Rubber 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
- Underbody Storage Tube for Vacuum Hose
- (2) Underbody Storage Boxes (18"H x 60"L x 18"W)
- L.E.D. Traffic Direction Board
- Digging Shield
- Jackhammer and Tamper Holsters
- High-Pressure Water Wand
- Low-Pressure Water Wash-Down Wand
- Winterizing Kit for water system
- (2) Flashing Beacons
- (1) Crossbody Storage Box (22" H x 96" L x 22" W)
- (1) Crossbody Storage Box (12" H x 96" L x 12" W)
- Worklights with Rear 12V DC Outlet and Spotlight

OPTIONAL EQUIPMENT

- Sandblast System
- Barrel-top Soil Interceptor
- Towing Hitches
- Extra Water capacity
- Hot water system
- 4.2 KW AC Generator