

MTS **DINO** SERIES



ADVANCED
DRY SUCTION
EXCAVATION
TECHNOLOGY

Locates.

Damage prevention.

Safe digging equipment only.

These are no longer suggestions, they are requirements.

Infrastructure owners request it, public and worker safety demand it.

For years, the hydro vac industry has risen to this 'challenge', offering a safe alternative to mechanical excavation.

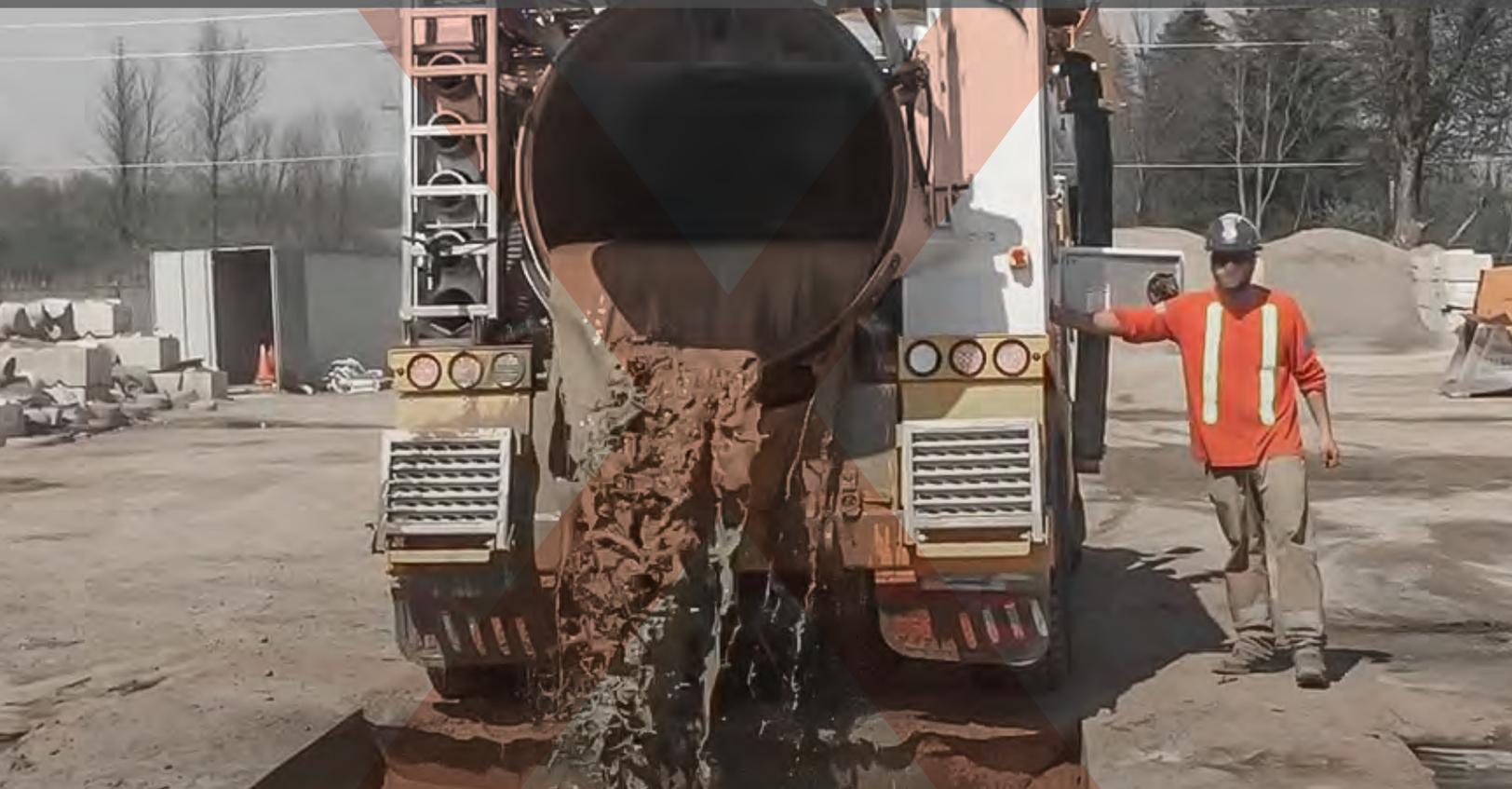
But our world has also changed.

Your customers now **demand more.**

Traditional Hydro Vac = Challenges

- A limited resource, it limits productivity. No water. No digging.
- Water creates slurry. Wet slurry can't be economically reused; it needs to be disposed at controlled facilities to prevent leaching into waterways, streams, and wet lands, facilities that are harder to find and farther away.
- Water is heavy. Our roads and bridges have limits and overweight trucks lead to costly fines.

WATER



Why Suction Excavation?

When you eliminate water, you eliminate **limitations, slurry, and weight.**

When you dig dry with air, you deliver **productivity, versatility, and value.**



Innovative Dry Suction Excavation = Solutions

- Air is non-conductive, safe, and an unlimited resource, allowing you to stay on site until the job is done, increasing your productivity and maximizing client value.
- Air creates dry spoils which can be reused on site reducing both disposal and new backfill material costs, and is environmentally friendly.
- Air doesn't create slurry, optimizing payloads, and virtually eliminating overweight fines.

AIR



**Dig Safe. Dig Dry.
Dump on Site. Stay on Site.**



DRY. WORKS.

MTS
DINO
SERIES

24,000 CFM, dual onboard air compressors, advanced dry filtration system, and functional side tip powerfully work together to allow operators to dig safe, dump on site, and stay on site.

No leaving to refill. No slurry disposal charges. No overweight loads. Just pure performance, productivity, and bottom line results ...and an environmentally friendly process.

You don't leave until the job's done. Why should your vac?

Pipeline

- Working in areas with existing pipelines, identified or unknown
- Underground pipe repair
- Inside the fence/contaminated spoils



Electrical Distribution

- Safe, non-conductive air excavation process
- Safe excavation around utility lines, identified or unknown
- Electrical underground fault repair
- Contaminated/impacted spoils removal



Utility Distribution

- Safe exposure of all buried infrastructure, (gas, electrical, telecom, water, etc.)
- Emergency repairs



Rail

- Ballast removal/cleaning
- Undercutting
- Safe excavation of rail signalling systems
- Spills/derailments



Industrial

- Emptying boilers, bunkers, silos, etc.
- Emergency spill clean up
- Filter/Sludge removal



Environmental/Road

- Contaminated/impacted soil remediation
- Emergency spill clean up
- Work on overhead areas and bridges



COMING SOON

CONTAINER VOLUME	4.5 yds ³ (3.5 m ³)
TRUCK DIMENSIONS	25 x 7.5 x 11.5 ft
VACUUM SYSTEM	Patented twin fan technology
AIR COMPRESSOR	320 cfm @ 116 psi
FILTRATION SYSTEM	Automatic self-cleaning system
SUCTION HOSE CARRIER	Power Arm
SUCTION HOSE	8" Diameter
REMOTE CONTROL	Wireless Remote Control
CHASSIS	Western Star 4700 <i>or suitable alternative</i>



MTS **DINO4.5**



CONTAINER VOLUME	6 yds ³ (4.5 m ³)
TRUCK DIMENSIONS	29 x 8 x 12 ft
VACUUM SYSTEM	Patented twin fan technology
AIR COMPRESSOR	320 cfm @ 116 psi
FILTRATION SYSTEM	Automatic self-cleaning system
SUCTION HOSE CARRIER	Mega Arm
SUCTION HOSE	10" Diameter
REMOTE CONTROL	Wireless Remote Control
CHASSIS	Western Star 4700 <i>or suitable alternative</i>



MTS DINO8



CONTAINER VOLUME	10.5 yds ³ (8 m ³)
TRUCK DIMENSIONS	31 x 8 x 12 ft
VACUUM SYSTEM	Patented twin fan technology
AIR COMPRESSOR	320 cfm @ 116 psi
FILTRATION SYSTEM	Automatic self-cleaning system
SUCTION HOSE CARRIER	Mega Arm
SUCTION HOSE	10" Diameter
REMOTE CONTROL	Wireless Remote Control
CHASSIS	Western Star 4800 <i>or suitable alternative</i>



MTS DINO12



CONTAINER VOLUME	16 yds ³ (12 m ³)
TRUCK DIMENSIONS	34 x 8 x 12 ft
VACUUM SYSTEM	Patented twin fan technology
AIR COMPRESSOR	320 cfm @ 116 psi
FILTRATION SYSTEM	Automatic self-cleaning system
SUCTION HOSE CARRIER	Mega Arm
SUCTION HOSE	10" Diameter
REMOTE CONTROL	Wireless Remote Control
CHASSIS	Western Star 4800 <i>or suitable alternative</i>



STANDARD FEATURES*

REMOTE CONTROL

Radio Controlled functions for all Suction and Tipping Operations

Manufacturer	ABITRON
Controls	Boom and Tipping Operations Compressor On/Off Filter Cleaning On/Off Boom to Tip Switch Emergency Shutdown Motor Start/Stop, Reset Motor - 3 Stage Speed Hydrostatic Drive (if optioned)
Umbilical console	32 ft / 10 m
Charger	Yes - in cab
CSA Certified	Yes - ABITRON-EX Zone II

STABILIZERS

Safety and Control

Driver / Dump Side	Two (2)
Passenger/Powerarm Side	One (1)
Operation / Type	Hydraulic

LIGHTING

Safety and Visibility

Rotating Safety Beacon	Yes - Cab Mounted
Rear Flashing Safety Lights	Yes
12V Power Socket	2 - Rear
Optical Light Tower	Yes
Machine Status Indicator	Yes

HYDRAULIC SYSTEM (DUAL CIRCUIT)

Two (2) circuits for independent operation

Hydraulic Circuit #1	Power Arm
Hydraulic Circuit #2	Air Compressor
NTZ Bypass Fine Filter	Yes
Return Filter	Yes - Replaceable Cartridge
Hydraulic Oil	HLP 46
Hydraulic Oil Tank	
Construction	Steel, Powder coated
Temperature Sensor	Yes
Oil Level Indicator	Yes
Fluid Change Interval	4x Regular Period

NOISE REDUCTION

Air Exhaust Sound Silencer / Air Outlet

Machine House	Anti-noise Foam Plates High Performance
Decibel Rating	≤ 85 dB @ 15 Ft (rear of unit)

LUBRICATION

Reduced Lubrication Maintenance

Automatic Lubrication	Twin Fan System
-----------------------	-----------------

AIR COMPRESSOR

Power and Performance

Compressor Type	Rotary Vane
Flow / Pressure	320 CFM @ 116 psi
Buffer Tank Capacity	15 Gallon / 60L
Oiled Air Connection	Yes - 2x Rear
Non-Oiled Air Connection	Yes - 2x Rear

HOSE REELS + HOSE

Conveniently Positioned, Ease of Access

Rear Mount - Oiled	Yes - one (1)
Hose Length	33' / 10 m
Auto Re-coil with brushes	Yes
Rear Mount - Non-Oiled	Yes - one (1)
Hose Length	33' / 10 m
Auto Re-coil with brushes	Yes

TOOLS AND ACCESSORIES

Productivity and Versatility

Air Spade	One (1) - Air Spade Utility 2000 + 4' extension 150 CFM & 225 CFM Nozzles
IKE	One (1) 60 inch IKE digging tube
Power Shovel	One (1) MTS Pneumatic Shovel Tool Length - 5' / 1.5 M with 5.5" Spade Air Hose Length - 24'6" / 7.5 m
Jackhammer	One (1) - 20kg with Spade and Chisel
Safe Excavation Suction Tube	Yes - Rubber
Reducer/Daylighting	Yes - 6" diameter
Technical Tool Kit	In-field adjustments / repairs
Extension Tubes	6' Flexible 4' Rigid

STORAGE

Organization and Accessibility

Side Mounted Toolbox	Yes - Passenger side
Toolbox Lining	Rubber Mats
Toolbox Lift Mechanism	Gas Springs
Lockable Doors	Yes
Suction Tube Carrier (Front)	Yes - 3x Tube Slots
Suction Tube Carrier (Rear)	Yes - 1x Tube Slot

PAINT (EXCLUDING CHASSIS)

Long Lasting Protection

Pre-finish Surface Prep	Sandblasted
Multi-Layered	Yes
Paint Type	2K RAL Colors / custom colors available

GROUNDING DEVICE

Static Discharge Point

Retractable Reel System	33' (10 m) cable / pincer & earthing screw spike
-------------------------	--



POWER ARM

Precise Positioning, Virtually Maintenance free

Mounting Location	Rear - 5 point articulating
Length	18' / 5.5m 23'8" / 7.2 m with extension
Effective Reach w/ dig tube	30' / 9 m
Swivel Radius	180°
Construction	Steel - Welded / Bolt
Powered	Yes Hydraulic
Remote Controlled	Yes
Suction Hose Diameter	10"



TWIN FAN TECHNOLOGY (PATENTED)

Industry Leading Power and Performance

Type	MTS F 2 x 18.000
Power	295 HP / 130 kW
Max. Air Volume	24,000 CFM
Max. Negative Air Pressure	30,000 Pa
Fan Drive	Split-shaft PTO with processor controlled clutch engagement
"Fast-cut" shut off/down	Yes
MTS - FES Fuel Economy System	Yes
Fan Bearing Lubrication	Automatic - Central



FILTRATION

MTS High Capacity Filter System / Self Cleaning

Number of Filters	42 Quick-Change
Filter Style	Cone
Filter Material	Polyester - washable
HEPA compatible	Yes
Filtration Efficiency	T1-15; 90% @ 2.5 µm, > 98% @ 4 µm
Filter Cleaning System	Automatic Reverse Pulse System (patented)



CONTAINER (DEBRIS)

On Site Productivity

Capacity	4.5 yds ³ , 6 yds ³ , 10.5 yds ³ , 16 yds ³
Construction	Side Wall - Steel Lead Edge - Steel
# of compartments	Two (2)
Primary compartment	Gravity separated
Secondary (Filter) Compartment	Finer material from filter
Tip Direction	Side - Driver
Tip Mechanism	Hydraulic

*subject to change

ON SITE DISPOSAL
CONTAINER
VOLUME 4.5, 6, 10.5, 16 YD³

REMOTE
HYDROSTATIC
DRIVE

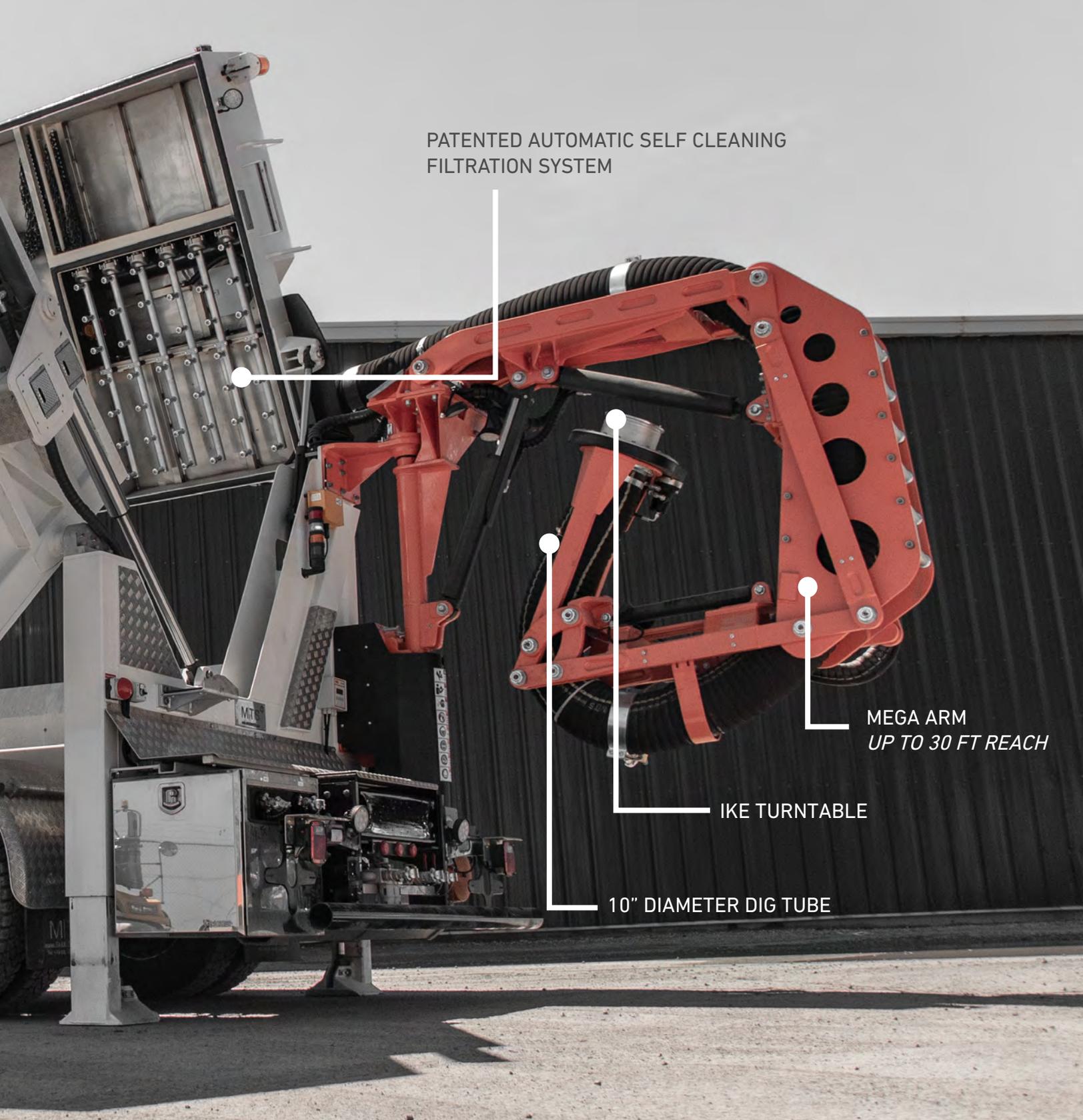
AIR COMPRESSOR
320 CFM @ 116 PSI

24,000 CFM
PATENTED TWIN FAN
TECHNOLOGY

**Unit shown with multiple options*

MTS
DINO
SERIES





PATENTED AUTOMATIC SELF CLEANING
FILTRATION SYSTEM

MEGA ARM
UP TO 30 FT REACH

IKE TURNTABLE

10" DIAMETER DIG TUBE

We are the exclusive North American distributor of the German leader in the dry suction excavation industry, MTS. The Ox team, has a strong history in suction excavation services, always pushing to lead the market through innovative technology and responsive, dependable service.

GET OUR TEAM PULLING FOR YOU.



OPTIONAL FEATURES

SUCTION HOSE VIBRATOR SYSTEM

- Pneumatic powered vibrators
- Prevents clogging of suction hose

HIGH TIPPER

- Allows for two (2) tipping heights for emptying spoils
- 7'10" / 2.4 m or 9'11" / 3.0 m
- Easily accommodates both roll off bins and higher dump trucks

HI-RAIL CAPABILITY

- After market high rail mountable

VIBRATORS – CONTAINER MOUNTED (SET OF TWO)

- Facilitates removal of spoils during dump / tipping operation

AUTOMATIC AIR HOSE REEL STAINLESS STEEL

- Two (2) air reels in stainless steel boxes with brush system

FULL PANELING COVER

- Sides of suction box covered in full paneling

REVERSE CAMERA

- In cab mounted LCD screen with 180° view from rear of unit

STEEL LADDER ON FRAME

- Truck mounted—allows for safe access

REAR BUMPER

- Includes extension and matching paint as required

CONDUCTIVE HOSE / GROUNDING SYSTEM

- Suction / dig hose grounded to truck and grounding system

CONTAINER AND LID IN STAINLESS STEEL

- Eliminates corrosion and increases durability
- Eases dumping process

AIR COMPRESSOR COOLING

- Desert package- additional hydraulic cooling fans for operation in extreme warm climates

EXTERNAL HYDRAULIC SUPPLY

- For operation of hydraulically power tools
- Includes hose and hose reel

DECANTING VALVE

- Two primary decanting valves
- One decanting filter box

TOP MOUNTED SAFETY RAILS

- Hydraulically actuated safety rail system mounted on top of unit

LIGHTING PACKAGES

- Enhanced lighting for safety and proximity
- 6 locations
 - 3x LED Lights - Positioned on Truck Frame
 - 2x LED Lights - Middle Segment Power/Mega Arm
 - 2x LED Lights - Inside Toolbox
 - 1x LED Light - Power Arm Shaft
 - 1x Reel mounted work light extension
 - Tripod with LED Lights
- Front and rear mounted beacons

MULTI GAS DETECTOR SYSTEM

- Continuous monitoring of LEL levels within suction box
- Type 5 explosion detection
- Audible alarm and red light at rear of vehicle



MEGA ARM

- Rear mounted 27' / 8.25 M extended boom for increased range, stability, and power.
- 180° swivel rotation for easy positioning.
- 6-elbow hinge points for unsurpassed accessibility.
- Class leading 10" diameter heavy duty suction hose for optimal air/spoils conveyance
- Robust welded bolt construction
- Virtually maintenance free



IKE TURNTABLE

For use in "all clear" excavations only

- Rotating turntable dig tube attachment for enhanced excavation performance
- 2-Phase hydraulic powered rotation functions
- Continuous rotation or oscillation

REMOTE HYDROSTATIC DRIVE SYSTEM

- Operator remote control for drive, reverse, and steering functions
- Operated while suction is on or off
- 2.5 mph | 4 km/h max. speed
- Built-in safety detection sensors for auto-stopping

CUSTOM CONFIGURATION

Our factory has the ability to custom build equipment to meet client weight specifications in compliance with levels and truck sizes, for every usage and industry need.

Dino Series Suction Excavation units can be configured on either an Ox Equipment Inc. provided chassis or on a customer supplied/preference vehicle model (Class 8).

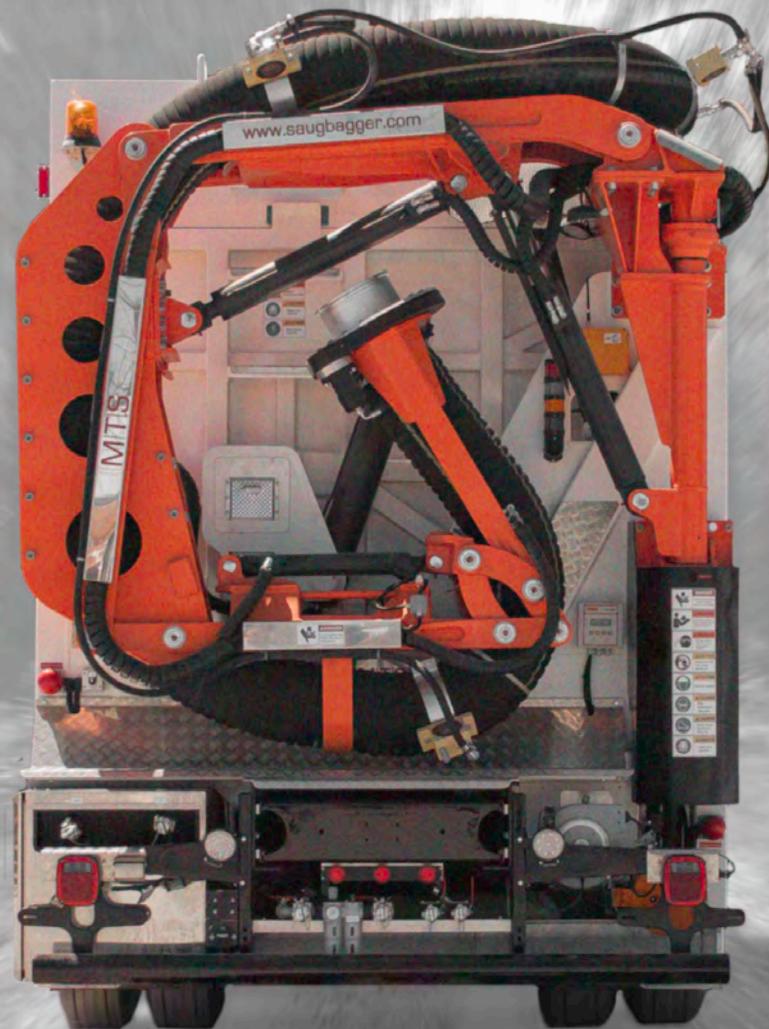
Please contact our business development team to discover solutions to your specific needs.



MTS Track Series also available.

Phone: 1.(888).290.4044
Email: info@ox-equipment.com





Contact us:

Tel: (888) 290-4044

Email: info@ox-equipment.com

Web: ox-equipment.com

**PERFORMANCE.
DRIVEN.**