OX EQUIPMENT

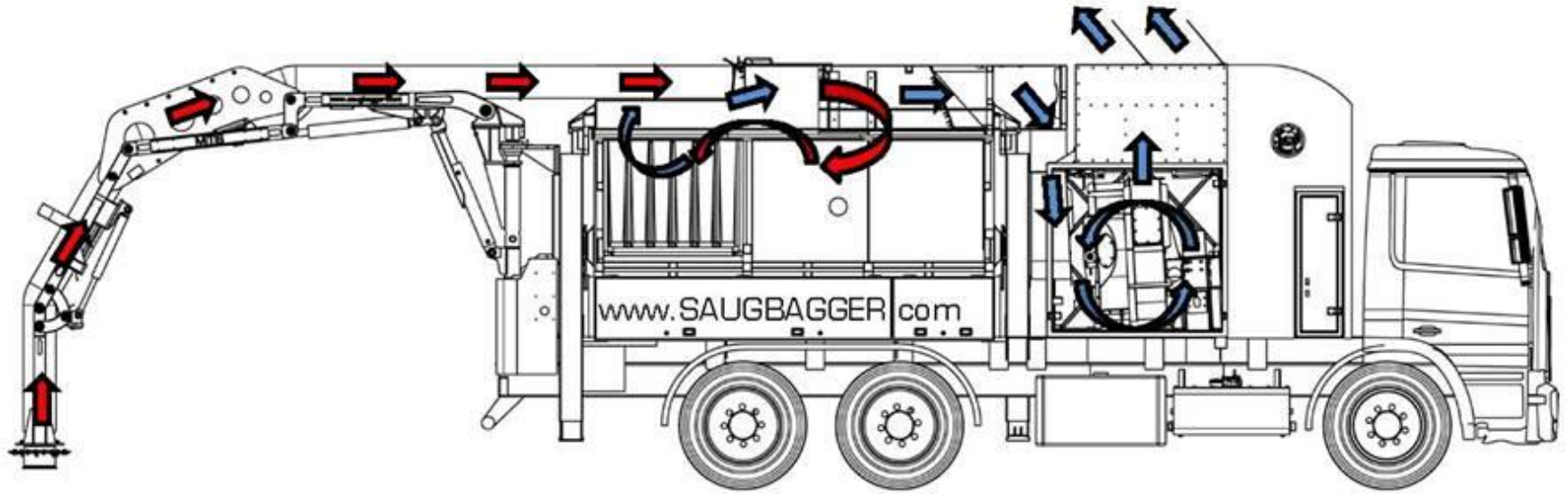
ADVANCED DRY SUCTION EXCAVATION TECHNOLOGY

"You can't use yesterday's tools for today's job to be successful tomorrow"

- President - Service Provider Contractor

VERSATILE

DIG SAFE WITHOUT COMPROMISE



Twin Fans generate 24,000 cfm through the boom hose

98% of material is Gravity and Impact separated & kept in the primary container

42 cone filters remove fines

Clean Air is released through the top. Reducing silica release

Sound dampeners keep dB ratings safe for public spaces. 82dB

ADVANCED EXCAVATION TOOLS

SOIL PICK™

Non-conductive, non-sparking, light, and agile, the Soil Pick™ brings obvious benefit to those working in environments that may be gas enriched and/or are in close proximity to live electric lines.

AIR LANCE

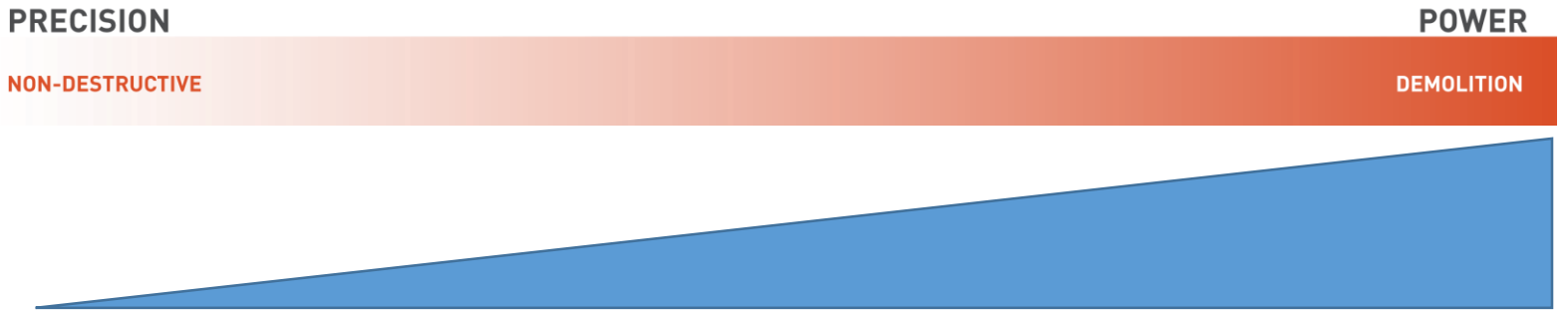
Using pressurized air to break apart the soil you can dig while protecting the buried utility. The suction of the boom and dig tube is then able to remove the soil in a quick and efficient manner.

AIR SPADE

This tool is used to loosen soils more quickly. It complements the Air Lance in doing its work by quickly breaking soil that is farther away from buried infrastructure, or when the infrastructure has already been exposed.

JACKHAMMER

In very tough soil conditions (stones, concrete, clay, etc.), the jackhammer will break apart the material, while the powerful suction (which has the power to remove heavy debris) will remove any material broken off.



INDUSTRY TRENDS

- Overweight Equipment
- Low Yield Loads – 33% of Tank Capacity
- Decreased Excavating Time
- Dumping – Increased Time & Charges
- Slurry Facilities Challenges
- Increased Costs to Service Provider
- Increased Costs to Utility Owners

EQUIPMENT OPTIONS

- Dry Vacuum Equipment In North America
- Insufficient Suction Power (1000-1800cfm)
- Small Debris Tanks
- Lack of Disposal Options
- Serious Lack of Appropriate Options
- Search Outside North America

EUROPEAN SOLUTION

www.saugbagger.com

- German Manufacturer Since 1998
- Suction Excavator Pioneers
- Patented Technologies
- Used In Over 40 Countries
- Responding To Global Demand

ADVANCED FEATURES

CONTAINER

- 5 TO 15 CU.YARD CAPACITY
- SIDE-TIP DISPOSAL
- STAINLESS STEEL LINED

POWER ARM

- ADVANCED ACCESSABILITY
- 10” DIA. SUCTION HOSE
- 180 DEGREE RADIUS
- HOSE VIBRATION SYSTEM

ADVANCE FILTER SYSTEM

- AUTO SELF CLEANING
- CONTINUOUS OPERATION
- WET or DRY MATERIAL

REMOTE CONTROL OPERATIONS

- FORWARD
- REVERSE
- STEER
- BOOM FUNCTIONS

DUAL AIR COMPRESSORS

- 145 PSI | 320 CFM
- UNMATCHED PERFORMANCE

TWIN FANS

- 24,000 CFM

ON-SITE DUMP

Dig On-Site

Dump On-Site

Stay On-Site

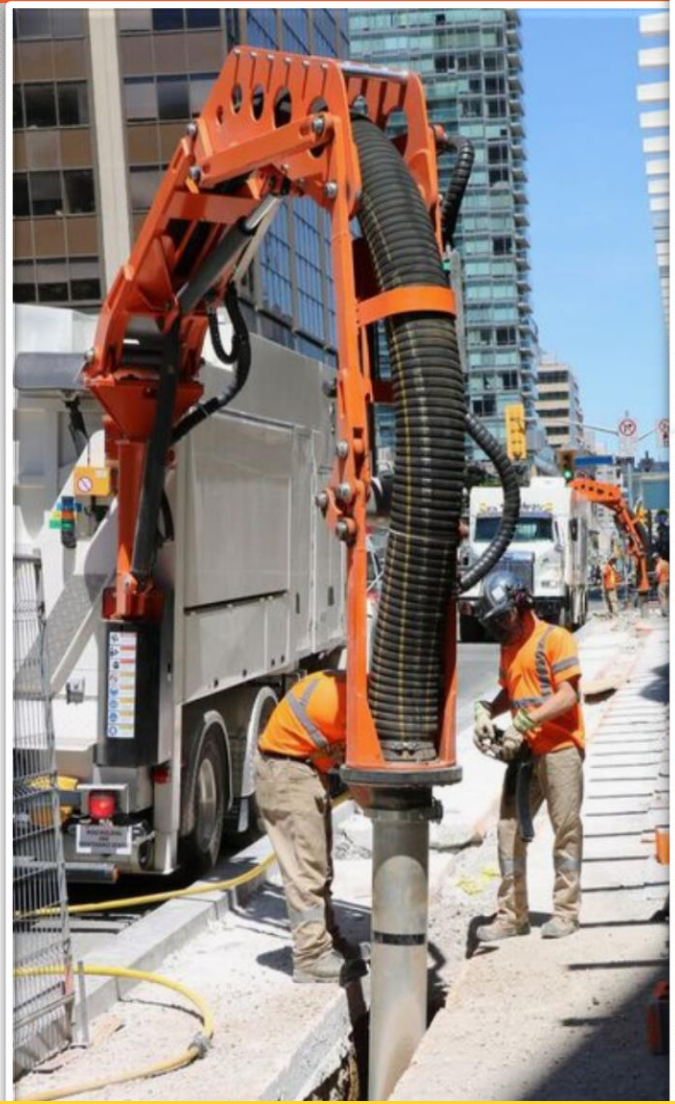
ROLL-OFF BIN

Remove the spoils from the site, not the truck!

ADVANCED BOOM ACCESSIBILITY

APPLICATIONS

- Gas and Pipeline
- Electrical Distribution
- Industrial Cleaning
- Soil Remediation
- Emergency Response
- Renovation
- Tree Root Protection
- Landscaping
- Railway



CASE STUDY

- PG&E utilizes 20 hydrovacs per day
- Costs for slurry disposal, transportation, and treatment increased to exorbitant levels
- Mandated to find new technology to decrease costs while increasing production

BRADLEY TANKS INC.

- Northern California
- Slurry Transport & Disposal
- P.G. & E. – Largest Utility Provider in NA
- Costs Savings Initiative
- Mandate For Dry Excavations
- Dino8s in demand
- Daily Outperforming Hydrovacs in both Productivity & Cost

"Most days the hydrovacs were full by noon & never came back, or have to do a water run. We just keep on working. PG&E guys love us" - Trent Robinson, Suction Excavation Manager, BTI

CASE STUDY

- BTI crews exposing lateral crossings, through keyhole cored openings, to facilitate new PE main installations via HDD for Pacific Gas & Electric
- BTI crews utilize a reducer tube on the Suction Excavator to bring the suction tube from 10" diameter to 5" to allow for the small 10" diameter cored openings

CASE STUDY

- The Suction Excavator remains on site all day - unlike other hydrovac excavation equipment, which are making two trips to dispose of 1000 gallon tanks of wet slurry each day and to refill with water
- The production rate of the Suction Excavator is at least twice that of the Hydrovac, with no associated wet slurry disposal charges
- Cost analysis have determined savings in excess of $500k/Year/Suction Excavator

- PG&E Spokesperson at GTI Meeting - October 2017

GAS & PIPELINE

- Strathroy
  - 250‘L x 10“W x 2.5‘D
  - 2 x 12' deep holes for large anodes.
  - Soil dumped on-site in and re-used
  - 2.5 Loads
  - 12 hours

SUPER SUCKER
we dig a little deeper.

GAS & PIPELINE

“We used the 4-blade cutter for the anode holes, 12ft deep 13" diameter hole in about 10-15 min in clay…
Anode installer said it was a tenth of the time he's used to for those anode holes… spectacular”

SUPER SUCKER
we dig a little deeper.

ELECTRICAL DISTRIBUTION

- Mississauga
  - 10’ x 6’ x 4’ pit for primary splicing
  - 3’ Hard clay then sand padding
  - 11 Cubic Yards
  - 5.5 hours

“Hydrovac would've had to do two loads or 2 tanks of water with a bigger tanked truck”

SUPER SUCKER
we dig a little deeper.

SOIL REMEDIATION

- Contaminated Soil
- Buried Utilities
- Water Prohibited
- Disposed into Wrapped Bins
- 40 Cubic Yards
- 2 Days

SUPER SUCKER
we dig a little deeper.

THANK YOU!

OX EQUIPMENT

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DRY SUCTION
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