

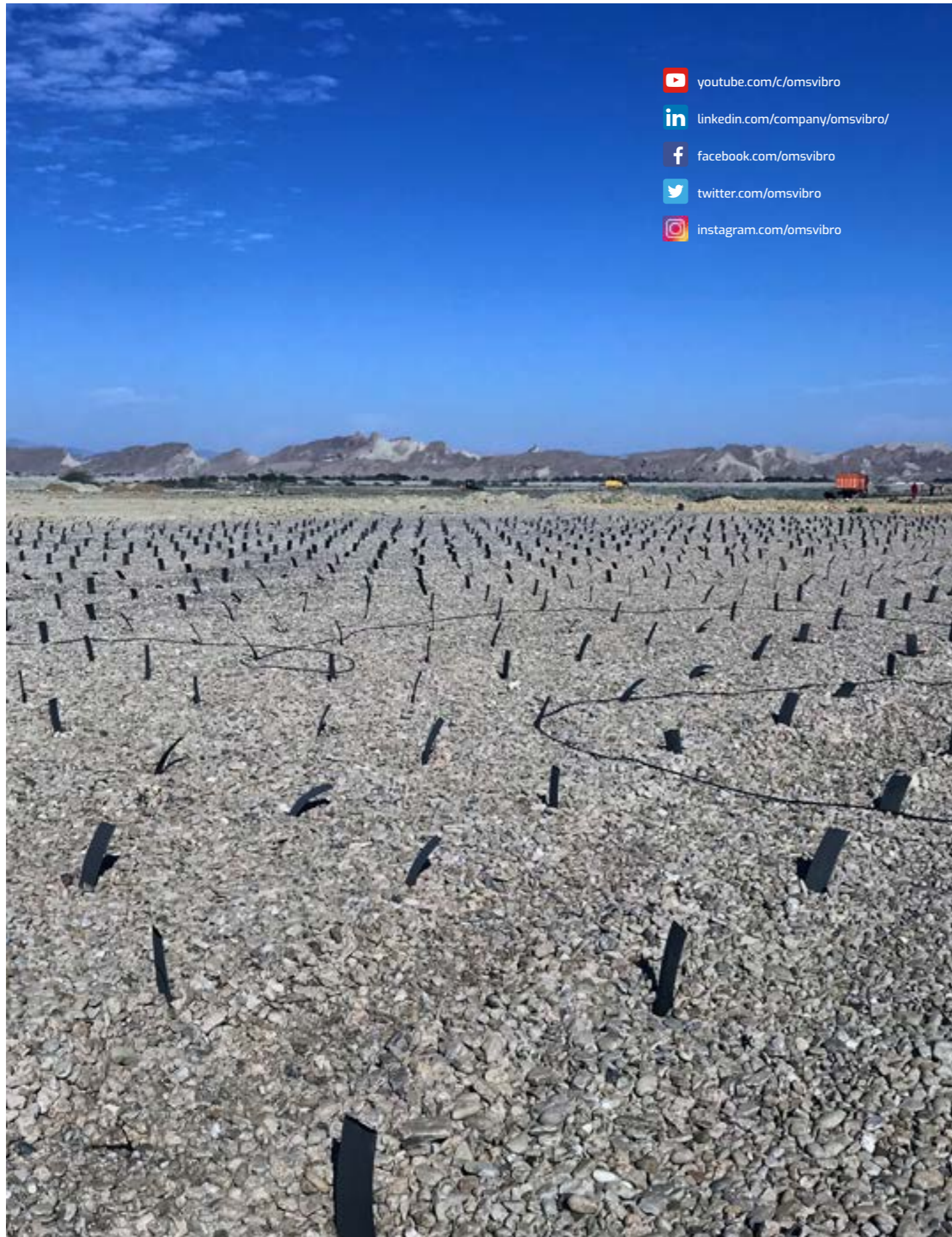
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WICK DRAIN

Prefabricated Vertical Drain (PVD) Installation Machine



Pile Driving Equipment

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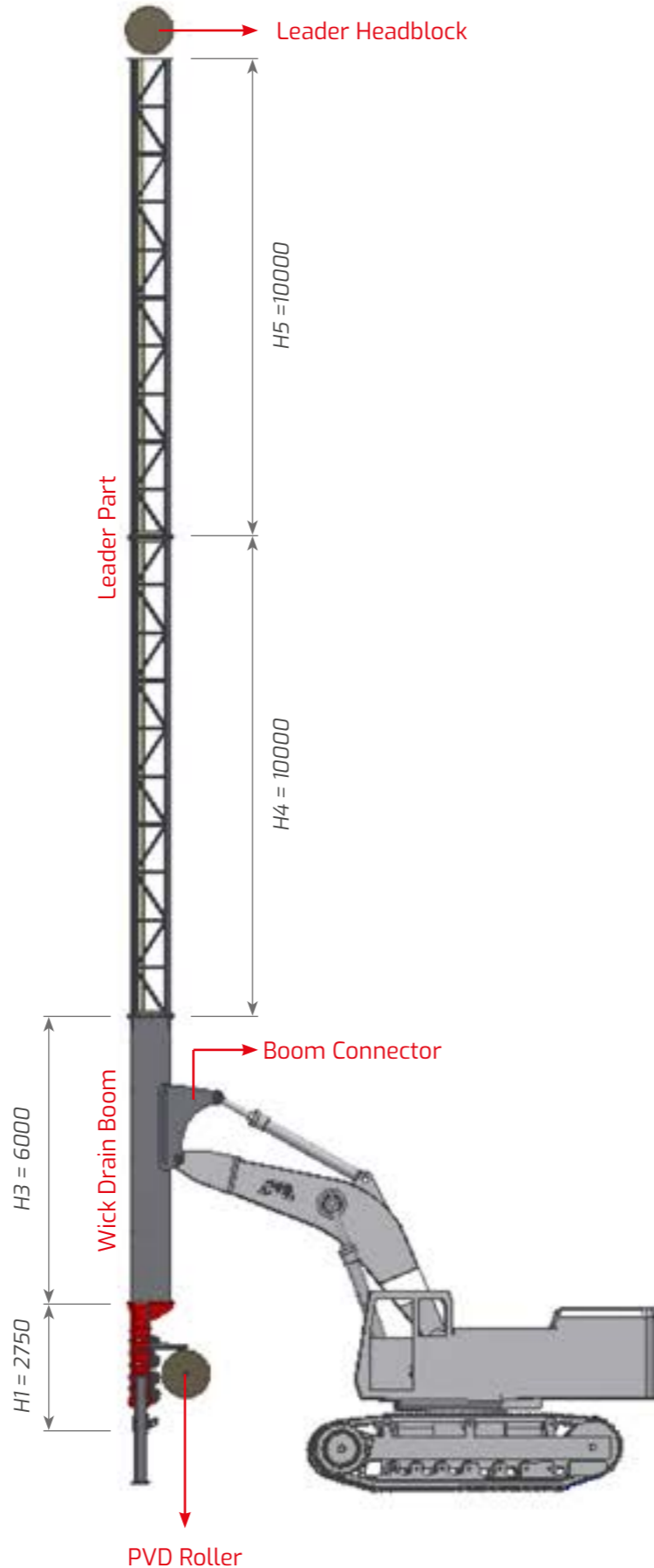
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PVD Inserter Machine (Wick Drain)

Operation Procedure



Wick Drain
Web Page



OPERATION PROCEDURE

The hydromotor driven sprocket gears insert the mandrel with Prefabricated Vertical Drain (PVD) in to the cohesive soil until the hard formation. The operator can use the high frequency vibro hammer if necessary to insert the mandrel deeper. The mandrel insert the PVD up to desired depth and drain stays in the soil then mandrel pull out and re-drive with PVD and Insertion process starts again.

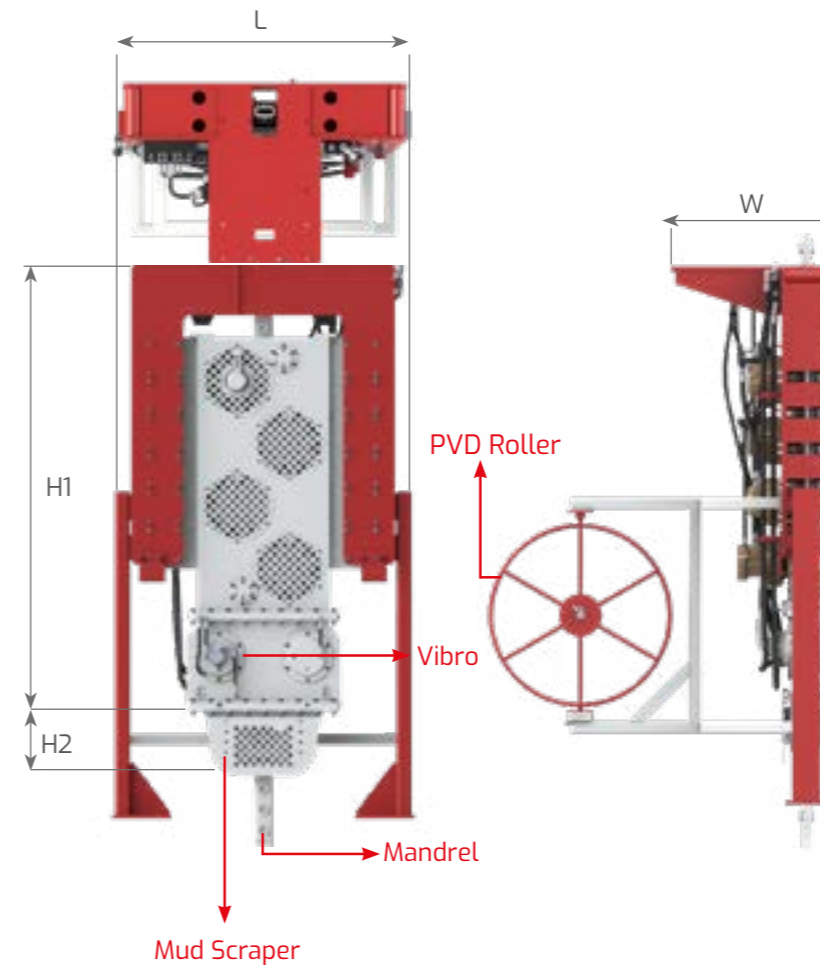


Wick Drain
Installation Video



Wick Drain Installation Machine

Technical Specification



Technical Data		WD28 - 43	
Unit	Metric	US	
Static (crowd) Force (kN) (tons)	276	31	
Dynamic Force (kN) (tons)	435	48.9	
Combined Force (kN) (tons)	711	79.9	
Operating Frequency (rpm)	2500	2500	
Pressure Max. (bar) (psi)	350	5076	
Oil Flow Vibro Max. (l/min) (gpm)	200	52.8	
Oil Flow Wick Max.	506	133.7	
Mandrel Speed Max. (m/min) (in/min)	100	3937	
Recommended Excavator Working Weight (ton)		45 - 50	
Weights and Dimensions			
Unit	Metric	US	
Suspended Weight (kg) (lbs)	3700	8157	
Length / L (mm) (in)	2040	80.3	
Height / H1 (mm) (in)	2750	108.3	
Height / H2 (mm) (in)	432	17	
Width / W (mm) (in)	920	36.2	

PVD Inserter Machine (Wick Drain)



Operation Procedure

The OMS Wick Drain Inserter Machine is a soil improvement machine that to be used for quick consolidation of the cohesive soils. The machine is consisting of; hydromotors, sprocket gears, mandrel and a high frequency vibro hammer. It is very usefull equipment to drain the water in the cohesive soils, thus, the liquefaction risk minimal and settlement time faster then standard procedures.

