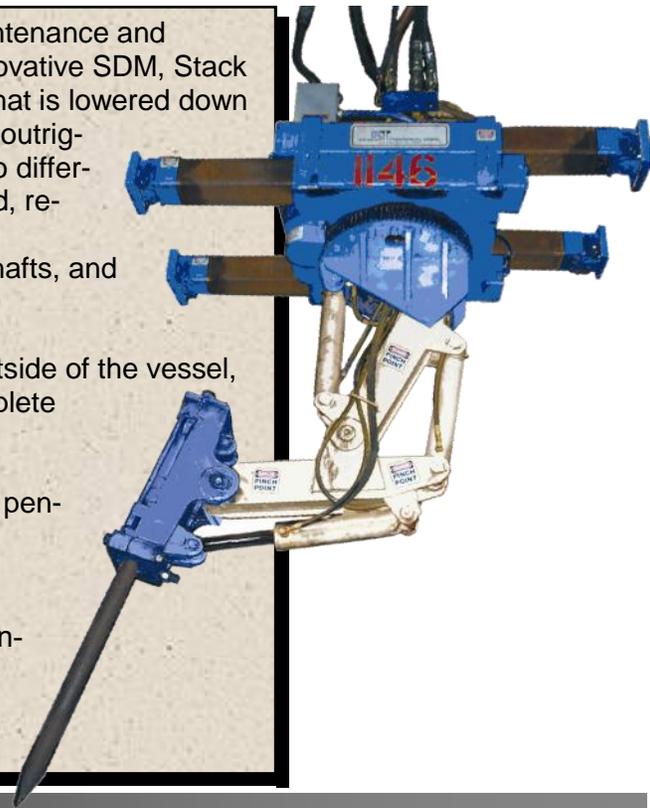


When access to small vertical openings is required for maintenance and clean-out, KT-Grant Inc. has a solution. Introducing the innovative SDM, Stack Digging machine. A small, compact and rugged machine, that is lowered down into the vessel, then steadied in position with its adjustable outriggers. The pneumatic hammer can be mounted in one of two different positions, then manipulated to address the task at hand, removing scale and debris build-up from the inside lining of the vertical stacks, chutes, chimneys, ventilation shafts, and many other similar structures

The separate hydraulic power unit can be located either outside of the vessel, or it can be coupled to the machine, and lowered as a complete assembly for reaching extended depths.

The SDM is safely controlled by the operator with a remote pendant control box that will allow the most accessible visibility.

KT-Grant's SDM machine can enter stacks with a minimal inside diameter of 4'-6", and in its standard configuration work up to 8'-5 3/8" inside diameter. Larger I.D.'s up to 20ft can be accommodated with optional outrigger extensions.



SPECIFICATIONS SDM

GENERAL

Machine length:	3'-9 1/2"	(11656mm)
Machine width:	2'-8 1/2"	(876mm)
Machine height:	7'-2"	(1032 mm)
Machine weight:	3,560 Lb	(1615 kg)

Reach from center of rotation to end of hammer (without tool bit):	3'-11 3/8"	(1203mm)
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Reach below outriggers to hammer end (without tool bit):	5'-6"	(762mm)
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Overall outrigger stroke:	4'-4"
Swing continuous:	360°
Boom angles:	+30°, -30°
Stick angle:	+14°, -31
Tool angles (two position):	
A. Horizontal/Upwards:	0°, +70°
B. Vertical/Downwards:	+39°, -38°

POWER UNIT

Length:	4'-6"	(1371mm)
Width:	4'-1/2"	(1231mm)
Height:	5'-4"	(1638mm)
Weight:	2860 lb	(1067 kg)

HYDRAULIC SYSTEM

Outrigger cylinders:	four (4)
Boom hoist cylinders:	one (1).
Boom telescopic cylinder:	one (1).
Tool cylinder:	one (1).
Electric motor:	30HP @ 1800 RPM
Hydraulic pump:	28 GPM
Operating pressure:	1600 PSI (110 BAR)
Reservoir capacity:	70 GAL (265 L)
Hydraulic fluid:	As per customer

HOOK-UP REQUIREMENTS

Voltage:	460 VAC, 3-PH, 60Hz
Air supply:	100 psi @ 125 cfm

HAMMER

Type:	Pneumatic
Tool bit diameter:	2 3/8" (60 mm)

CONTROLS

Wired on / off rocker switch pendant controls.

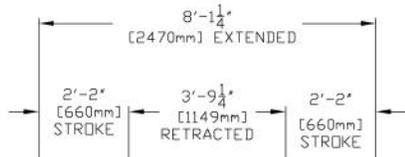
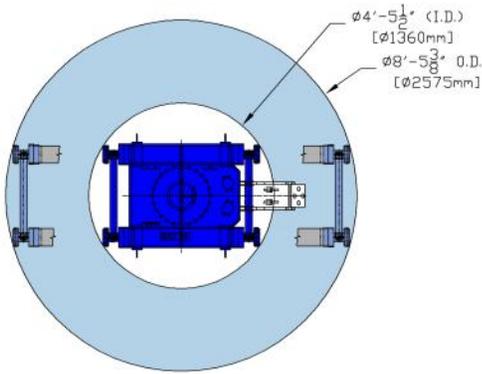
OPTIONAL EQUIPMENT

Outrigger extensions, 12", 18", 24", 32", 36", and 52" lengths
spade bit, scraper bit

KT-GRANT, INC.

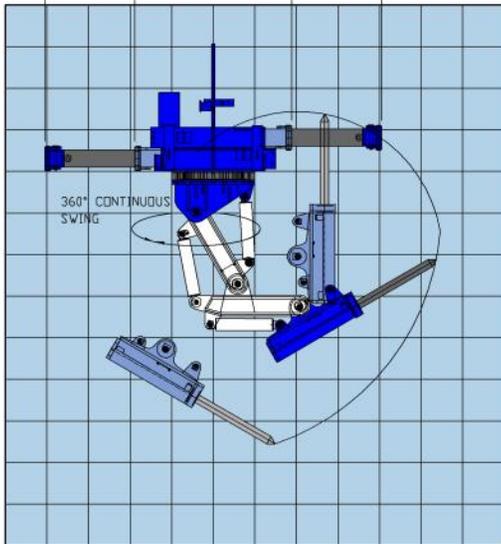
A Stein Company

SDM WORKING RANGE



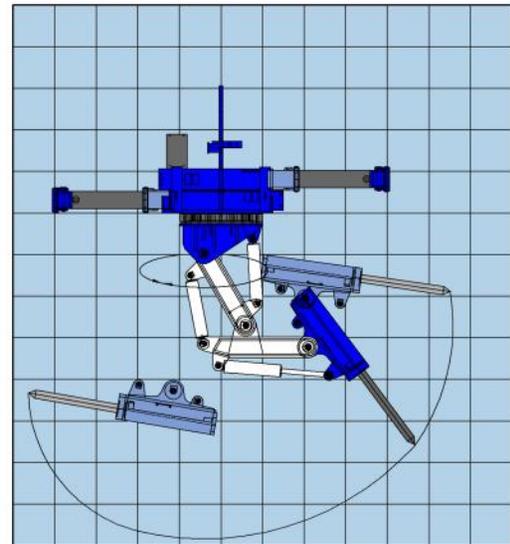
FT (M)

4	(1.2)
2	(0.6)
0	(0)
2	(0.6)
4	(1.2)
6	(1.8)
8	(2.7)



FT (M)

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2	(0.6)
4	(1.2)
6	(1.8)



FT (M)

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2	(0.6)
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