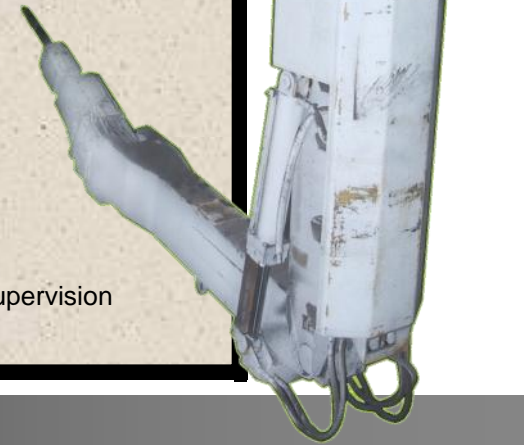


KT-Grant, Inc has developed a Heavy Duty Machine for the specific application of industrial vessel clean-out and shell lining removal. The ATM-2 Machine is able to be lowered down through an opening with a minimum inside diameter of 3'-1". Its unique design enables the machine to unfold inside of the vessel, and extend its tool. It is able to reach the inside walls over 20 feet from the center line of the opening, using optional tool bits.

The specially designed, Telescopic Lift Housing is mounted to a mounting flange or support frame then, raises and lowers the ATM-2 Machine, to reach down below depths of 55 feet, beneath the mounting surface.

Like most of KT-Grant's equipment, the ATM-2 is remotely operate by a pendant control, keeping the operator a safe distance outside of the vessel.

- Removes scale build-up, slag, refractory linings can even perform complete demolition.
- Provides the fastest method for getting the job done. Gets plant production back on line with minimum down-time.
- All personnel remain outside. No vessel entry or confined space hazards. No direct exposure to heat or chemicals.
- Precision controls allow selective work. Partial cleaning or lining removal is possible. No damage to good linings or remaining structure.
- Works in cylindrical, rectangular, or spherical shaped tanks.
- Robotic arm meets requirements for explosion proof equipment.
- Complete service includes experienced operators, equipment, and supervision to meet your schedules.



SPECIFICATIONS ATM-2

GENERAL

Rotate housing flange diameter:	2'-11"	(889 mm)
Lift housing Outer flange diameter:	4'	(1219 mm)
Machine minimum height (with lift housing):	33'-0"	(10058 mm)
Minimum access opening:	3'-1"	(940 mm)
Machine Weight (with lift housing):	22,000 Lb	(9979 kg)
Reach from center of rotation to end of hammer (without tool bit):	19'-6"	(5944 mm)
Lift Housing Stroke:	28'-5"	(8661 mm)
Swing continuous:	360°	
Stick angle:	+45°, -45°	
Boom angles:	+135°, -0°	
Tool angle:	+264°, -6°	

POWER UNIT

Length:	6'	(1829 mm)
Width:	6'	(1829 mm)
Height:	7'-6"	(2286 mm)
Weight:	5,000 lb	(2268 kg)

HYDRAULIC SYSTEM

Stick cylinders:	Two (2)
Hoist cylinders:	Two (2)
Tool rotary actuator:	One (1).
Electric Motor:	60HP @ 1800 RPM
Voltage:	460 VAC, 3-PH, 60Hz
Hydraulic Pump:	21.5 / 25GPM
Operating pressure:	2,100 PSI (145 BAR)
Reservoir capacity:	80 GAL (303 L)

HAMMER

Type:	Hydraulic
Tool bit diameter:	3" (76 mm)

PLANT REQUIREMENTS

Voltage:	460 VAC, 100 A, 3-PH, 60Hz
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CONTROLS

Wired on / off rocker switch pendant controls.

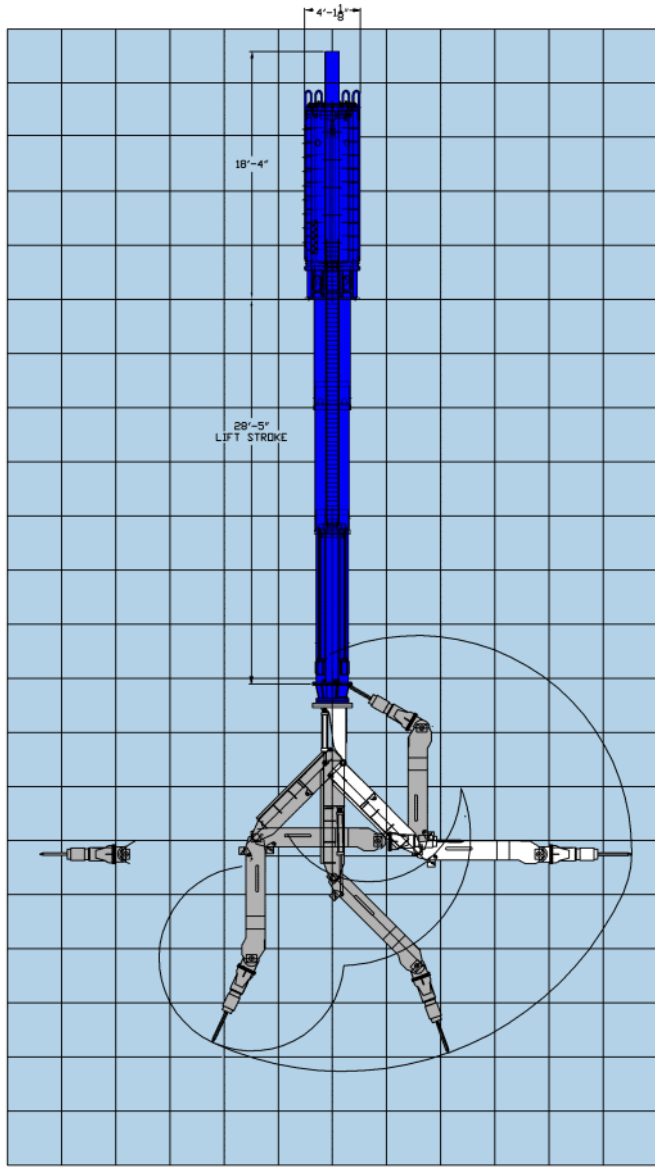
OPTIONAL EQUIPMENT

Moil Points, Spade Bits, Scraper Bits, Flange Adaptor Plates, Mounting Platforms

KT-GRANT, INC.

A Stein Company

ATM-2 WORKING RANGE



FT	(M)
20	(6.1)
16	(4.9)
12	(3.7)
8	(2.4)
4	(1.2)
0	(0)
4	(1.2)
8	(2.4)
12	(3.7)
16	(4.9)
20	(6.1)
24	(7.3)
28	(8.5)
32	(9.8)
36	(10.1)
40	(12.2)
44	(13.4)
48	(14.6)
52	(15.9)
56	(17.1)
60	(18.3)
64	(19.5)

FT	24	20	16	12	8	4	0	4	8	12	16	20	24
(M)	(7.3)	(6.1)	(4.9)	(3.7)	(2.4)	(1.2)	(0)	(1.2)	(2.4)	(3.7)	(4.9)	(6.1)	(7.3)



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