

SECTION 3D

ALL-AROUND  
EXCAVATOR

CONTENTS

Features . . . . . 3D-2

Specifications . . . . . 3D-3

Shipping dimensions . . . . . 3D-4

Working ranges . . . . . 3D-4

Application . . . . . 3D-6

### The perfect choice for so many jobs.

- **The PF55L speeds up a variety of jobs where special techniques are necessary, making a major contribution to reduced costs and higher efficiency.**
- **Flexible two-piece boom**  
This greatly improves working efficiency, making operations smoother and expanding the working range.
- **Unique rotating arm**  
The swing motor rotates the arm a full 360 degrees;together with the automatic control system, this ensures top-grade performance and the highest efficiency.
- **Automatic control system**  
With a built-in microcomputer, this automatically maintains the optimum arm and bucket angles irrespective of boom movement and body turning.

Specifications

ALL-AROUND  
EXCAVATOR

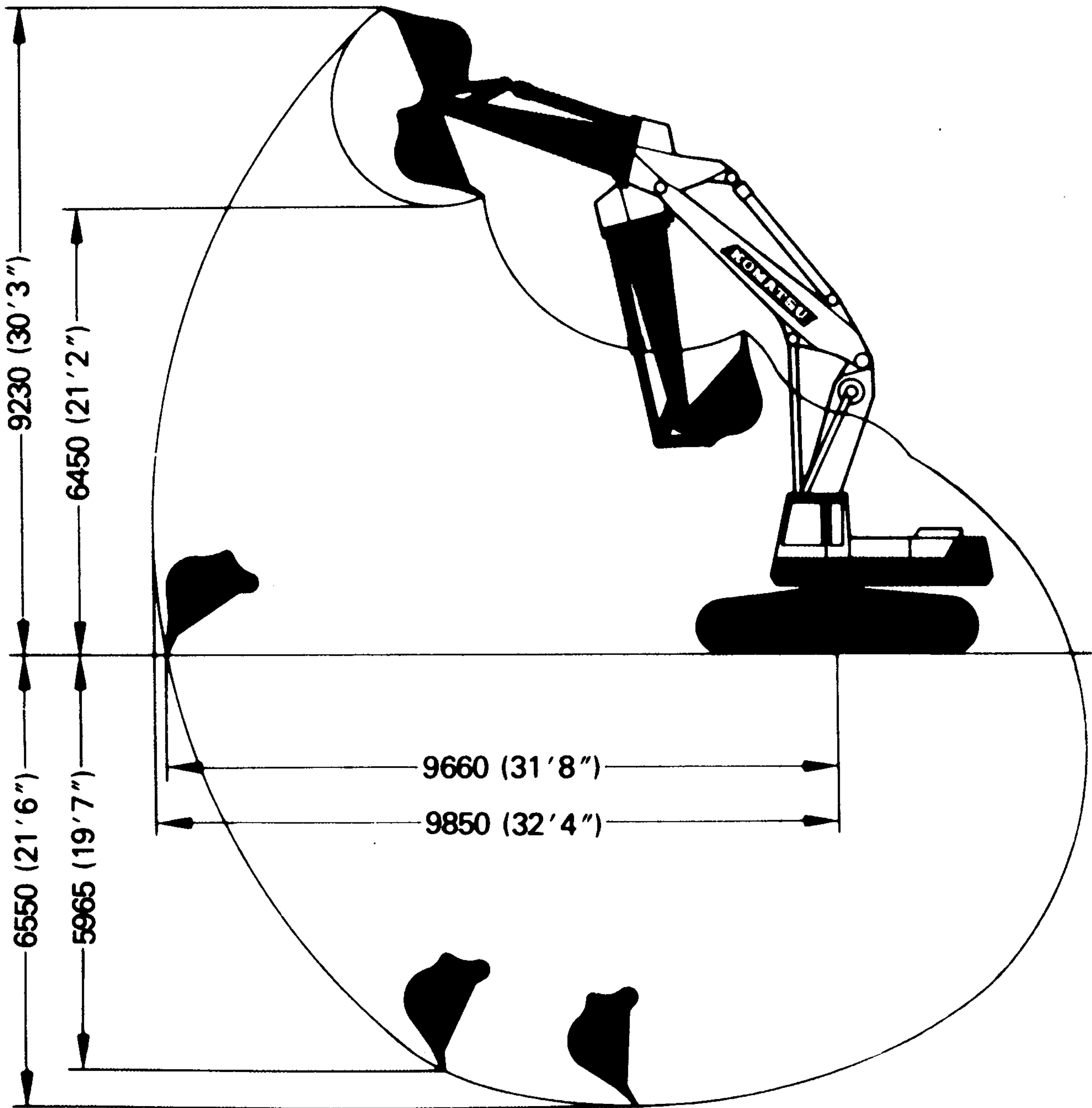
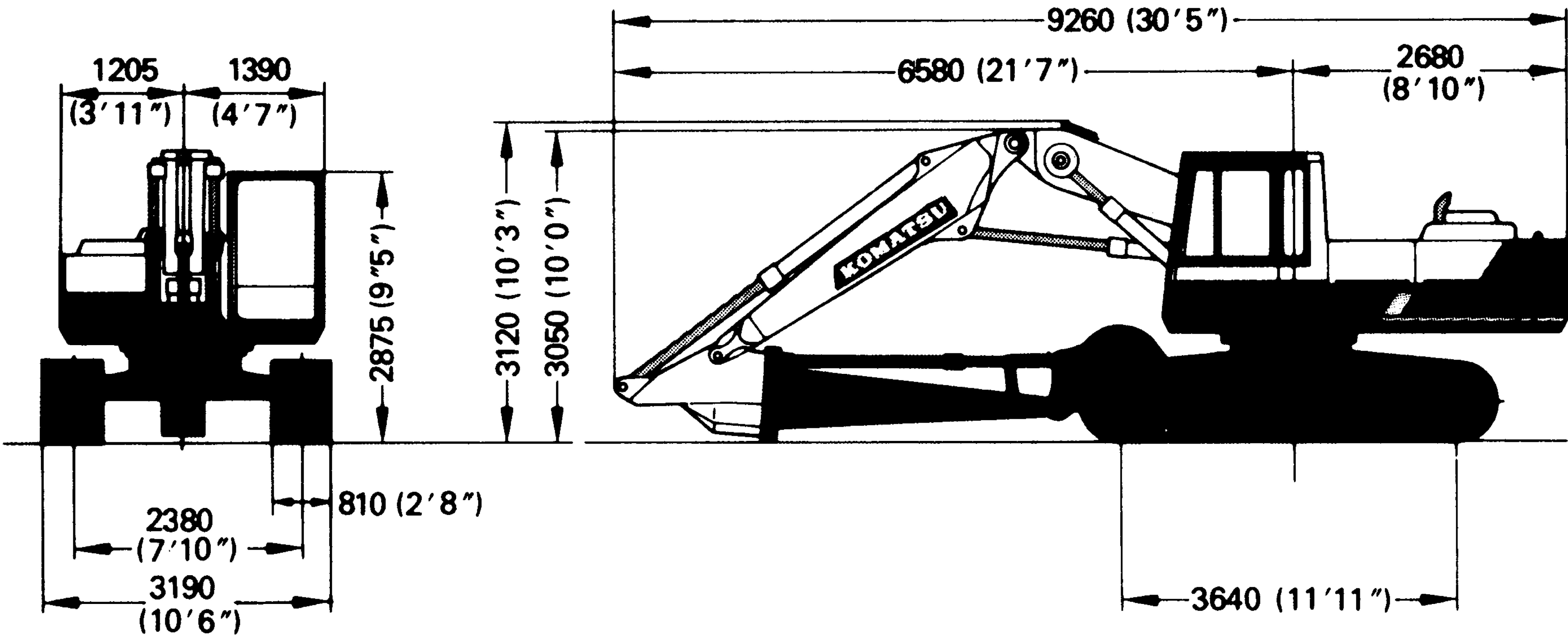
Item		Model	PF55L		
OPERATING WEIGHT		kg(lb)	21200 (46,740)		
FLYWHEEL HORSEPOWER:		HP(kW)/RPM	118(88.3)/2100		
(SAE)		PS/RPM	120(88.3)/2100		
(DIN)					
BUCKET CAPACITY RANGE		m <sup>3</sup> (cu.yd)	0.36(0.47)~0.80(1.05)		
(SAE)					
PERFORMANCE:					
Swing speed		RPM	13.0		
Max.travel speed		km/h(MPH)	3.3 (2.1)		
DIMENSIONS:					
Overall lenght(transport)		mm(ft.in)	9260(30' 6'')		
Overall height(transport)			3120(10' 3'')		
Overall width			3190(10' 6'')		
Length of track on ground			3640(11'11'')		
Track gauge			2380( 7' 10'')		
Tail swing radius			2700( 8' 10'')		
Ground clearance			435( 1' 5'')		
ENGINE:			KOMATSU		
Model			S6D105		
No.of cylinders-bore x stroke		mm	6 – 105 x 125		
		(in)	(4.1'')(4.9'')		
Piston displacement		ltr.(cu.in)	6.49 (396)		
HYDRAULIC SYSTEM:					
Hydraulic pump		ltr. (U.S.Gal)/min. kg/cm <sup>2</sup> (PSI)	2 x Vaviable piston		
Max.oil flow			436 (115)		
Max.oil pressure			320 (4550)		
TRACK SHOES:					
Width/ground pressure		mm(in)/kg/ cm <sup>2</sup> (PSI)	810 (2'8'')/0.36 (5.1)		
CAPACITY(Refilled):					
Fuel tank		ltr.(U.S.Gal)	280(74 )		
Hydraulic oil tank			150(39.6)		



Shipping Dimensions

Working Ranges

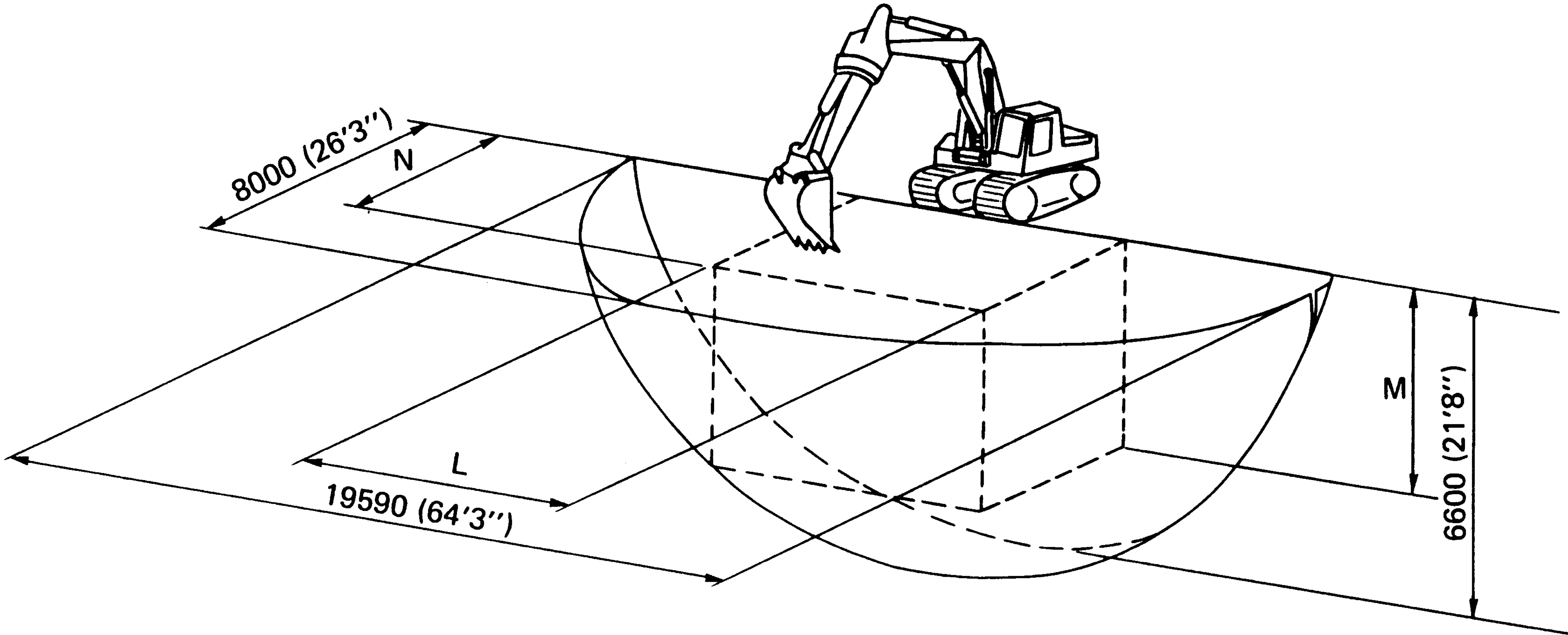
ALL-AROUND EXCAVATOR



Unit: mm (ft.in)



THE MAXIMUM DIGGING VOLUME OF THE RECTANGULAR PARALLELEPIPED



The volume of the rectangular parallelepiped taken out, when the depth (M) is changed:

① M = 2000 (6'7'')

N	1000 (3'3'')	2000 (6'7'')	4000 (13'1'')	6000 (19'8'')	7500 (24'7'')
L	17400 (57'1'')	16600 (54'6'')	14200 (46'7'')	10000 (32'10'')	1000 (3'3'')

① M = 5200 (17'1'')

N	1000 (3'3'')	2000 (6'7'')	4000 (13'1'')	4700 (15'5'')
L	11600 (38'1'')	10000 (32'10'')	6000 (19'8'')	1000 (3'3'')

② M = 4000 (13'1'')

N	1000 (3'3'')	2000 (6'7'')	4000 (13'1'')	6000 (19'8'')	6400 (21')
L	15600 (51'2'')	14200 (46'7'')	11300 (37'1'')	4800 (15'9'')	1000 (3'3'')

② M = 6000 (19'8'')

N	1000 (3'3'')	2000 (6'7'')	4000 (13'1'')	4300 (14'1'')
L	10800 (35'5'')	9600 (31'6'')	4200 (13'9'')	1000 (3'3'')

③ M = 6000 (19'8'')

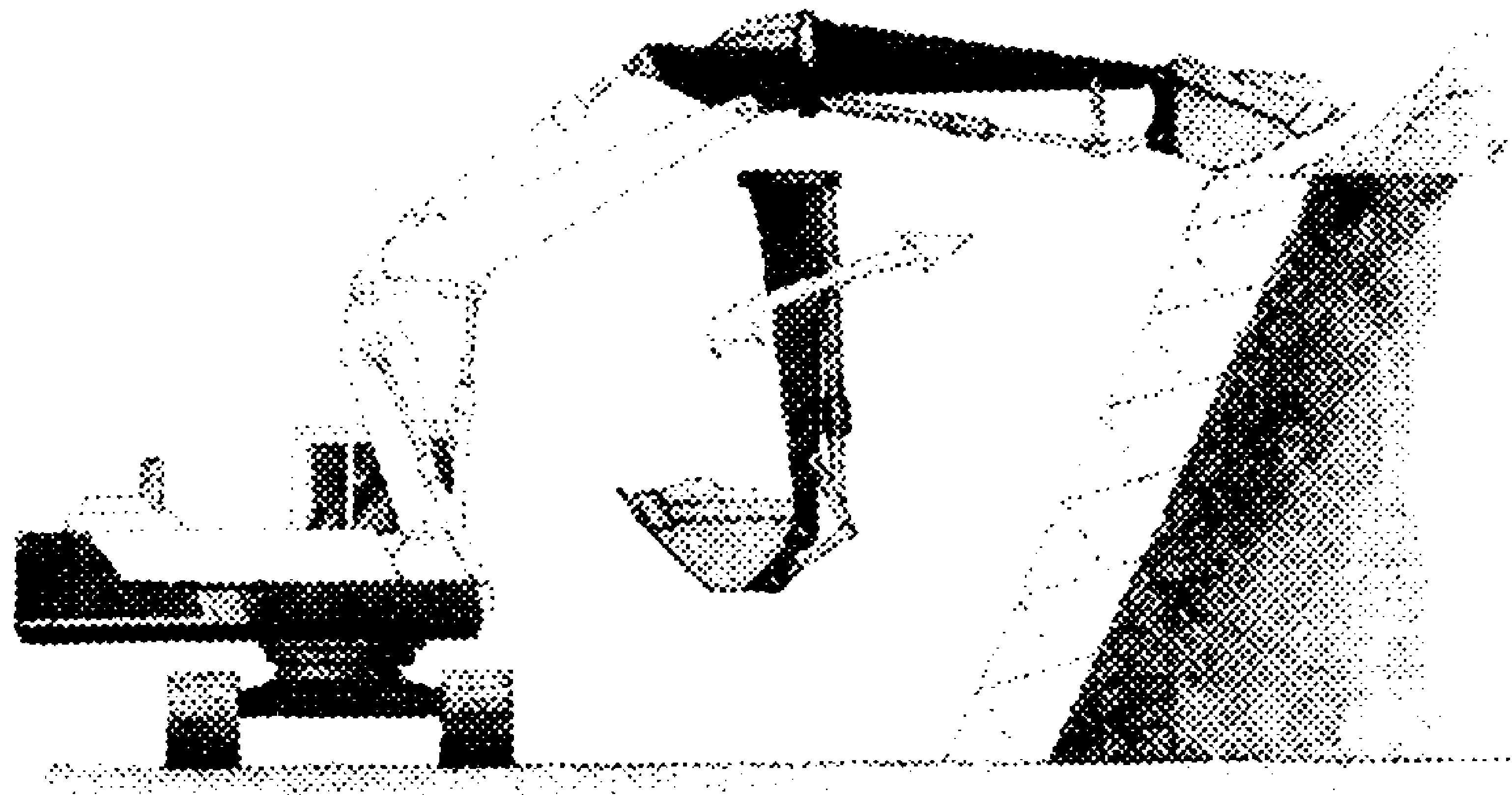
N	1000 (3'3'')	2000 (6'7'')	4000 (13'1'')	4300 (14'1'')
L	10800 (35'5'')	9600 (31'6'')	4200 (13'9'')	1000 (3'3'')

③ M = 6400 (21')

N	1000 (3'3'')	2000 (6'7'')	4000 (13'1'')	4300 (14'1'')
L	9400 (30'10'')	8000 (26'3'')	3000 (9'10'')	1000 (3'3'')

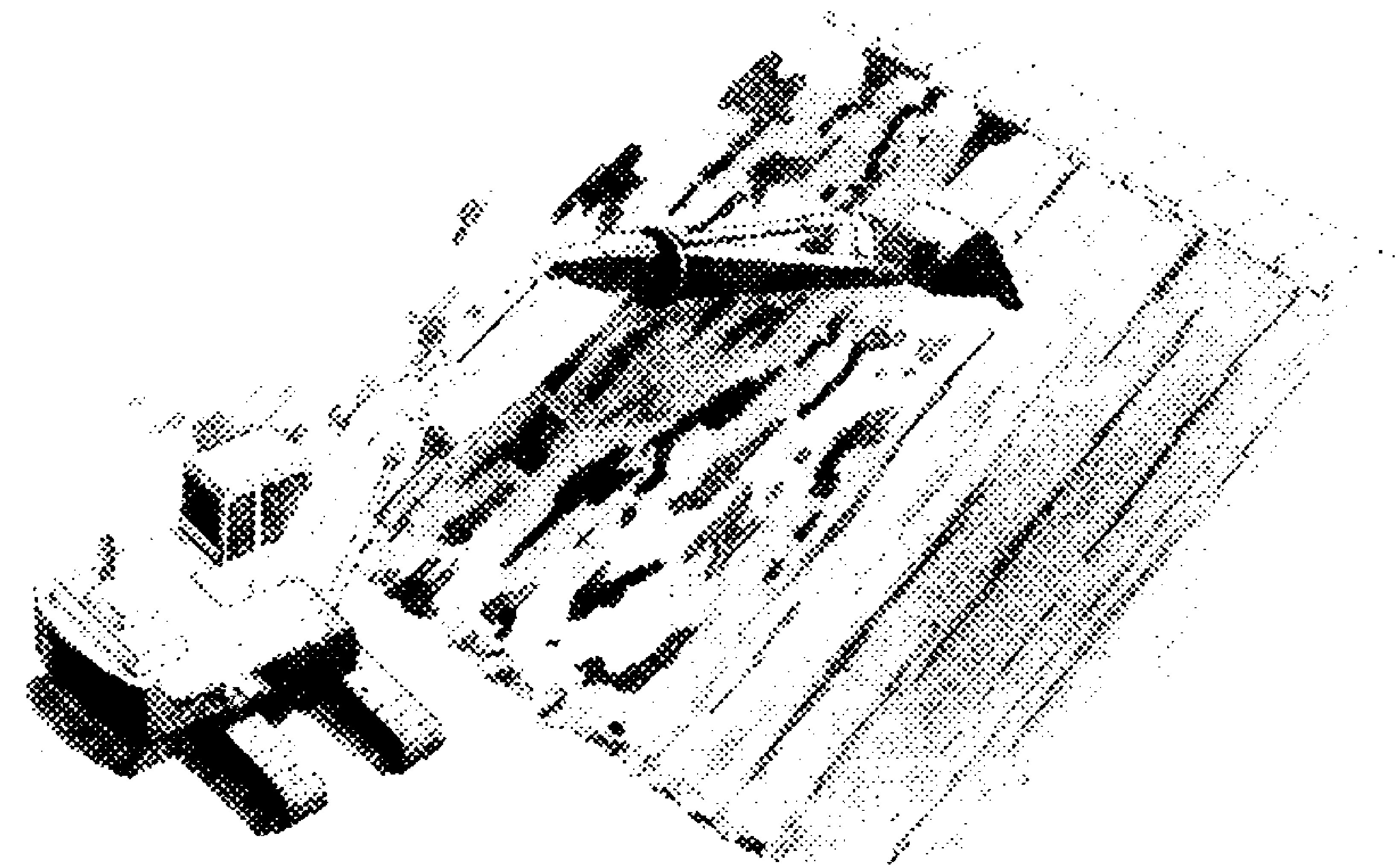
### EARTH MOVING

With the rotating arm plus wide working range, it's easy to lay stones, back-fill a wall and carry ready-mixed concrete from a mixer truck to where it's to be laid.



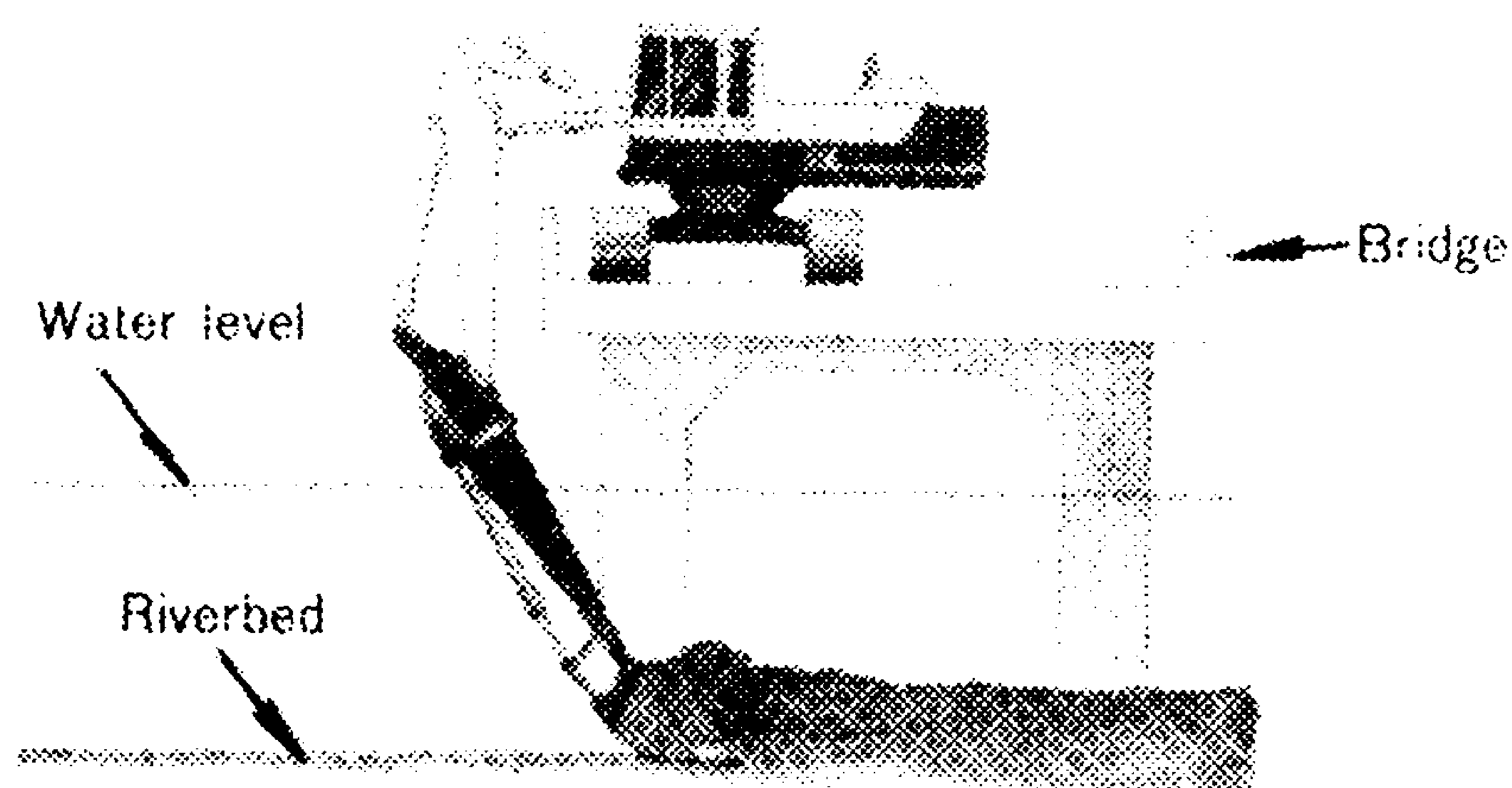
### SLOPE FINISHING

The wide working range ensures efficiency in leveling a long slope in a single action.

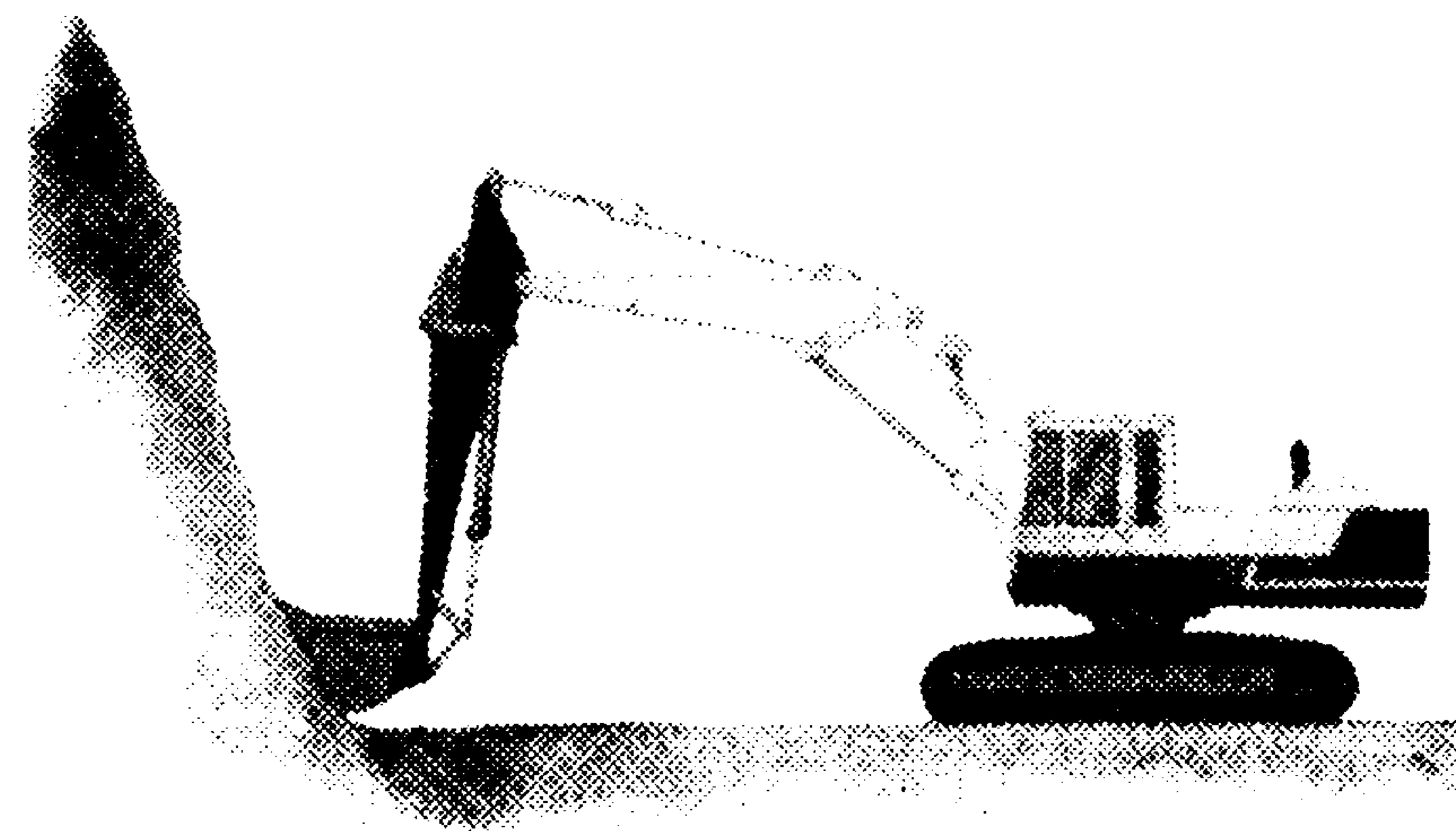


### OTHER IMPORTANT FEATURES

The PF55L can even dig the riverbed under its own body.



With its bucket reversed, the PF55L can scrape faces upward.



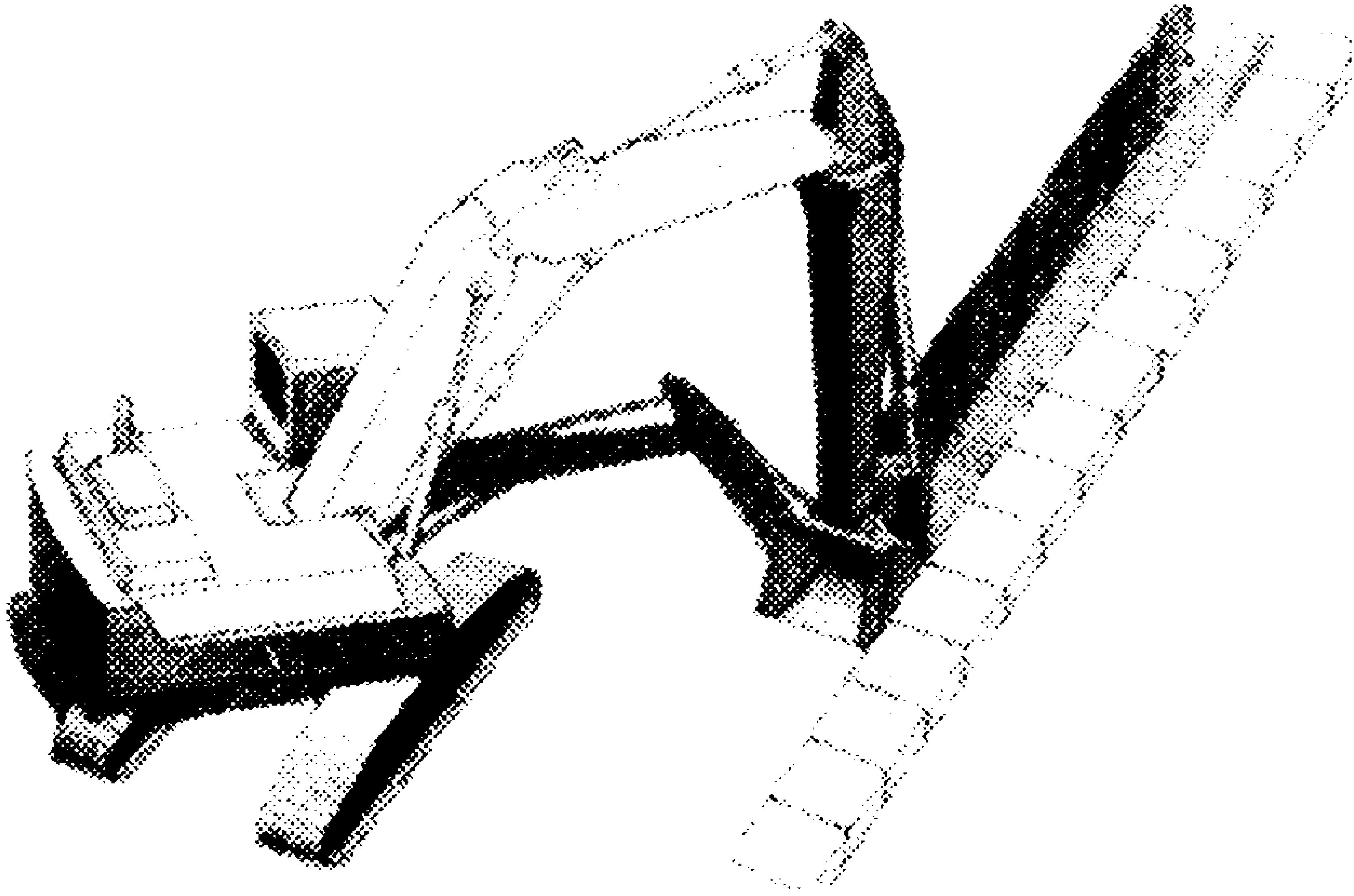


## Application

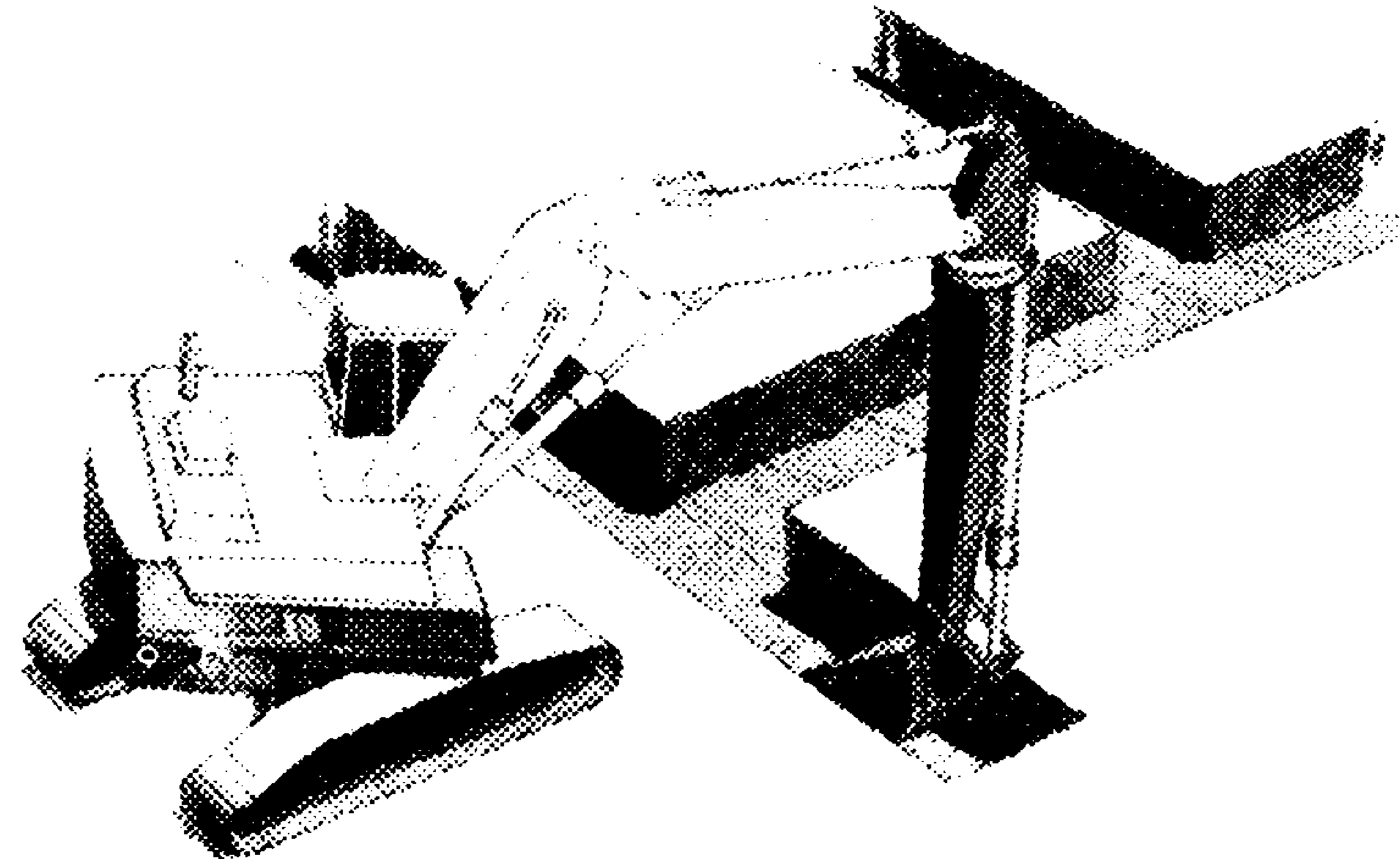
## ALL-AROUND EXCAVATOR

### DITCH DIGGING

The rotating arm and upper boom make possible the efficient and precise digging of offset ditches.

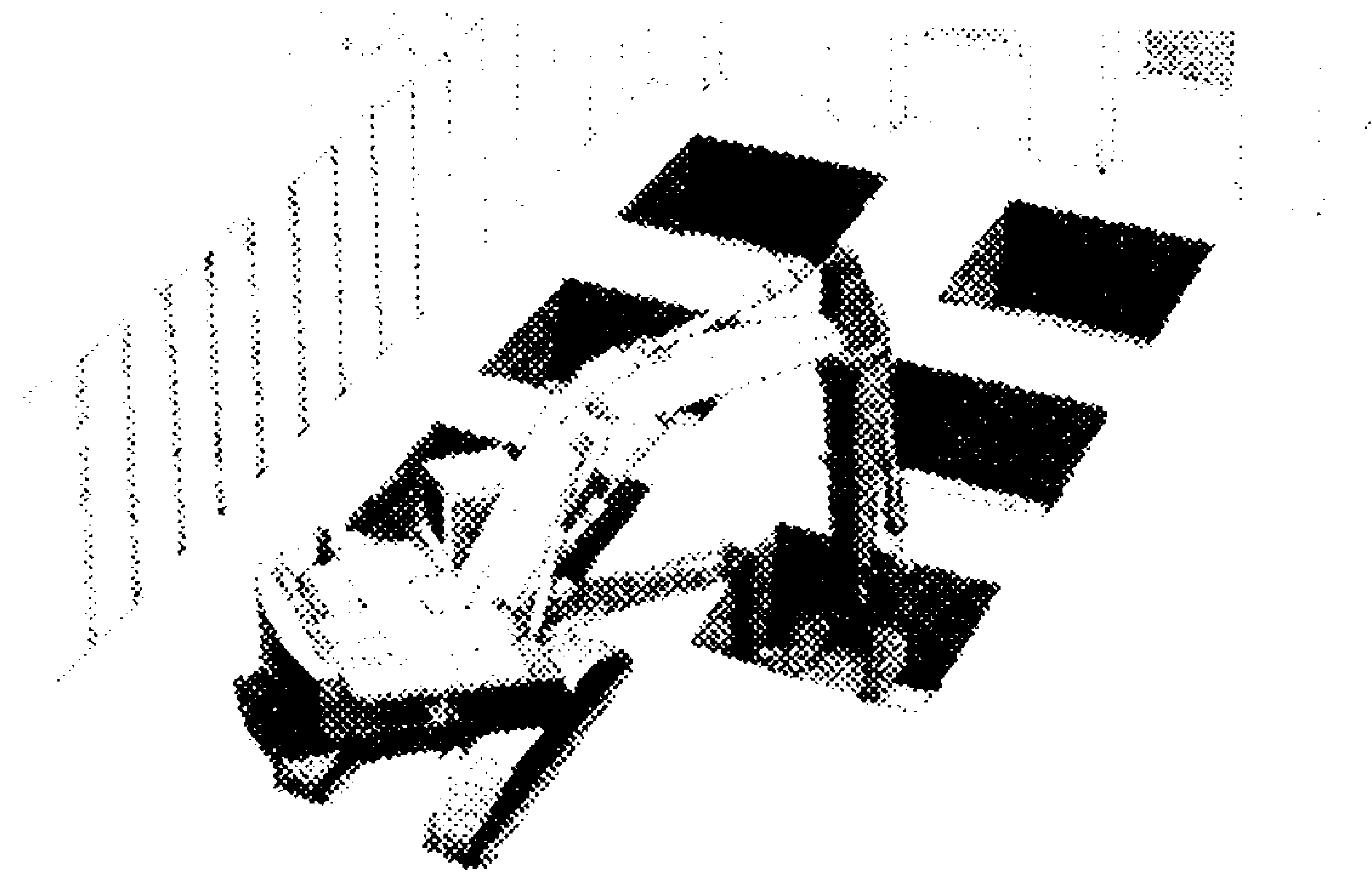


With the rotating arm, the excavation of trenches for main and branch water supply and drainage pipes can be done without changing the machine's position.

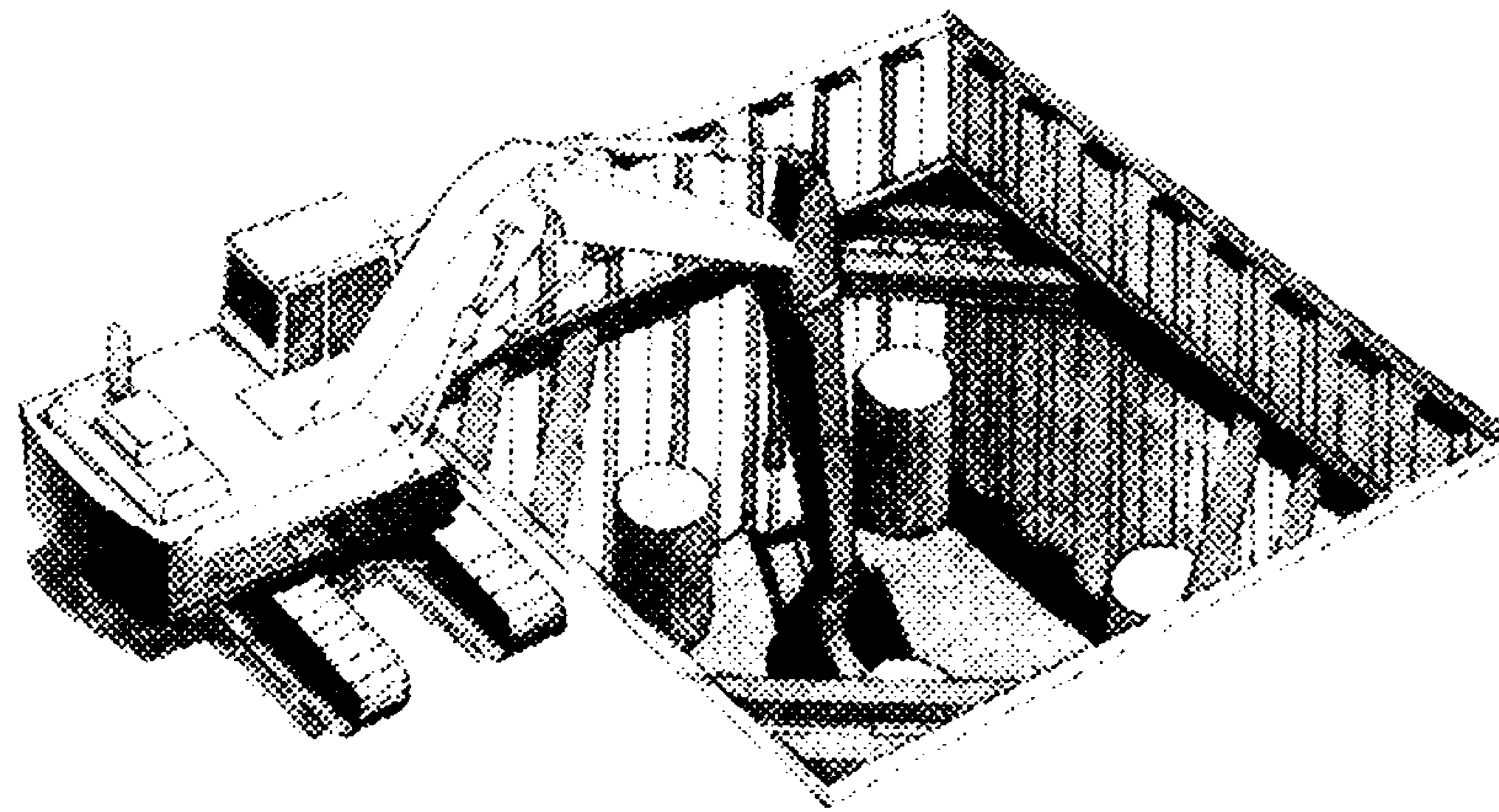


### BOX DIGGING

It's easy to dig perfect corners without having to change the position of the excavator.



The combination of rotating arm and upper boom ensures the digging and clearing of mud around piles from any direction.



### LIFTING SPOIL

The rotating arm enables working from all directions. Even if there's a structure between the PF55L and the bucket, the work can be done without hitting it.

