

# TITAN

## ROOTER

เครื่องทะลวงท่อ

DRAIN  
CLEANER



Power Through Clogs with Precision. Durable. Reliable. Built to Perform. Your Ultimate Drain Cleaning Solution.

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# HAND TOOLS

D-1



D-4



D-2



D-5



- Ideal for quick and safe removal of obstructions in the toilet.
- Specially designed to traverse tough traps.
- Vinyl guard protects damage to toilets

Catalog No.	Type.	Spec.		Weight
		mm x m	in. x ft	
2.1001	D-1	Φ 9.5x0.9m	3/8"x3'	1.1 kg.
2.1002	D-3H	Φ 12.7x0.9m	1/2"x3'	1.4 kg.
2.1003	D-2	Φ 8x0.75m	1/2"x3'	1.1 kg.
2.1004	D-4	Φ 8x0.75m	1/2"x3'	1.4 kg.
2.1005	D-3	Φ 8x0.75m	1/2"x3'	1.1 kg.
2.1006	D-6	Φ 8x0.75m	1/2"x3'	1.4 kg.
2.1007	D-3DH	Φ 8x0.75m	1/2"x3'	1.1 kg.
2.1008	D-6DH	Φ 8x0.75m	1/2"x3'	1.4 kg.

D-3



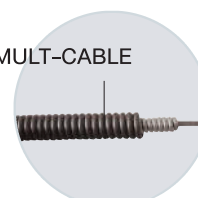
D-6



DROP HEAD



MULT-CABLE



Specially designed to traverse tough traps.

Three-tier composite cable Anti-Kinking.

## Basic Equipments

Catalog No.	Type.	Spec.	Weight
2.1009	D-12	1 piece Φ12mm x 1M super flexible soft shaft with bulb auger 2 piece Φ12mm x 1M soft shaft 1 piece quick connector	1.33 kg.



Φ12mm flexible soft shaft



Φ12mm soft shaft



Quick connector



Cable coupling



Drill machine

# HAND TOOLS

## HAND SPINNERS

### D-50SZ

- Unique design with power and manual, easy to connect with any drill.
- Applicable for household small pipes of 420mm-75mm (14"-3") in lavatories, bathrooms and kitchens, different types are provided to choose.
- Soft shafts are suitable for removing all kinds of complex indoor pipe blockages.
- Flexible soft shafts are put in large metal drum to ensure cleaner and more convenient use.
- Auto-Feed device feed and back the soft shaft.
- Simple in structure, easy-to-handle. Release the locking screw, insert a soft shaft of certain length into the pipe. latch the lock and rotate the handle, and press it, repeated operation will easily remove the pipe blockages.
- It can be driven by drills. Have a conversion device, remove the handle, the hexagon bolt into drills than tighten.



Catalog No.	Type.	Description		Weight
		mm x m	in. x ft	
2.1014-24	D-50SZ-1	Φ 8 x 6 mm	5/16"x20'	2.60 Kg.
2.1014-25	D-50SZ-2	Φ 8 x 6.7 mm	5/16"x25'	3.20 Kg.



### D-60SZ

- Unique design with power and manual, easy to connect with any drill. Applicable for both indoor small pipes of 420mm-75mm (3/4"-3") in lavatories.
- The ABS plastics drum with high strength, light weight, large capacity. Soft shafts of \$8mm (5/16") and \$10mm (3/8") can be used.
- Entirely sealed structure, flexible soft shafts are put in drum, to ensure cleaner and more convenient use.
- Auto-Feed device feed and back the soft shaft.
- Simple in structure, easy-to-handle. Release the locking screw, insert a soft shaft of certain length into the pipe. latch the lock and rotate the handle, and press it, repeated operation will easily remove the pipe blockages.
- It can be driven by drills. Have a conversion device, remove the handle, the hexagon bolt into drills than tighten.

Catalog No.	Type.	Description		Weight
		mm x m	in. x ft	
2.1015	D-60SZ	Φ 8 x 10.7M	5/16"x35'	4.10 Kg.
2.1015-A	D-60SZ-1	Φ 10 x 7.6M	5/16"x25'	4.00 Kg.



# HAND TOOLS PUMPING TOOLS

**SUPER PLUS**



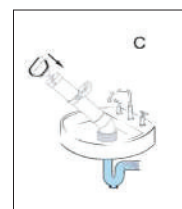
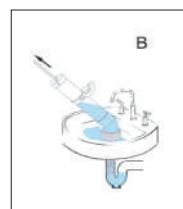
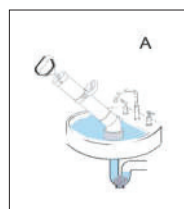
## D-10,D-10A,D-16,D-16A

- Force pump for use by plumbers and drain cleaning operatives. Quickly and easily removes blockages in drain, toilet pans, sinks, baths and waste pipes
- Four adaptors for use on different sewer lines.
- Flexible, In all directions adjustable handle, Optimal adaption to the cleaning job.
- Optimal sealed system and therefore the highest suction and pressure power with the adaptor sealing lip and main body



### Basic Equipments

Catalog No.	Type.	Description	Weight
2.4012	D-10	Main machine Adaptor I+II	1.80 Kg.
2.4013	D-10A	Main machine Adaptor I+II+III	2.20 Kg.
2.4014	D-16	Main machine Adaptor I+II	2.38 Kg.
2.4015	D16A	Main machine Adaptor I+II+III	2.60 Kg.



# HAND TOOLS

## PNEUMATIC WATER RAM

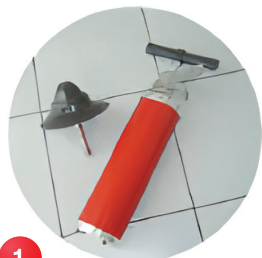
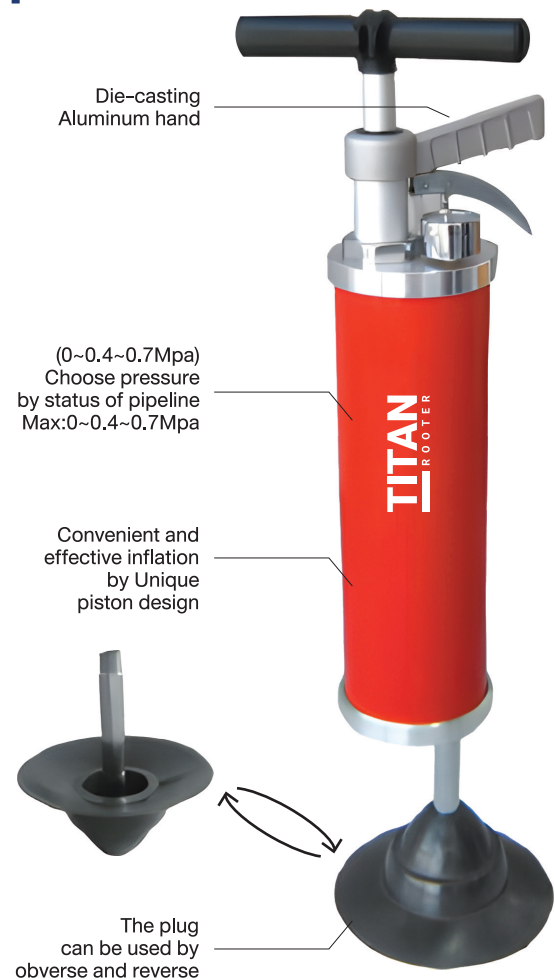
### GQ-4

- Applicable for blockages in indoor facilities as in vegetable rinsing basins, washing basins, kitchens, bathrooms and lavatories, and bathing facilities.
- Create a shock wave that strikes a clog at **0.7 Mpa**. Air pump clears clogged drains powerfully, quickly, and safely.
- Easy and safe in operation. Inflate the pump with enough shock wave for the seriousness of the blockage, usually less than 0.7 Mpa : press the seal piston on the pipe opening and release quickly, the sudden air pressure will remove the blockages in the pipe.
- Used to seal off drain openings. Rubber plugs both directions fit for different diameter and shapes.
- Using air release extension pipes will accommodate complex working environment.



#### Basic Equipments

Catalog No.	Type.	Description	Weight
2.4011	GQ-4	Main machine	3.80 Kg.
		F-9-e Air release extension pipe	
		F-9-f Adaptor	
		F-9-f Connector	



**1**  
Connect the plug with the intensify plastic pipe by shape of nozzle. The plug can be used by obverse and reverse.



**2**  
Push and press the handle up and down. Choose pressure by status of pipeline. 0~0.4~0.7Mpa



**3**  
Push down the plug at the nozzle. Lift up the handle quickly. Put out shock wave gas and clean up the jam. Repeat operate.



**4**  
If there are some jam on top of the nozzle or the pipeline strait, join the air release extension pipe with the plug. Hold the plug by both hands and put out gas quickly.



**5**  
**(warning)** Pay attention to the manometer when operation. Figure should be lower than red caution line.

# SECTIONAL MACHINE



## Basic Equipments

Catalog No.	Type.	Description	Weight
2.2011	GQ-75	2.2001 Main machine	112.20 Kg.
		RH1-1 $\Phi$ 16mm soft shafts	9.26 Kg.
		ZHa-1 $\Phi$ 16mm drills 8 pieces	0.42 Kg.
		F-3-a $\Phi$ 4 key	0.03 Kg.
		F-2-a $\Phi$ 8mm x 5m soft shaft combination	2.38 Kg.
		F-5-a Protection gloves	0.25 Kg.
		F-6-a Accessory barrel	2.00 Kg.







# SECTIONAL MACHINE



## GQ-75









- Applicable for all kinds of indoor pipes of  $\Phi$  20-100mm (3/4"-4").
- Lightweight, strong, convenient flexible in operation, using soft shafts of  $\Phi$  8mm (5/16") and  $\Phi$  16mm can be used.
- Soft shaft of  $\Phi$  8mm (5/16") are used to clean pipes of  $\Phi$  20-75mm in diameter, especially applicable to complex pipes of small diameters like traps.
- Flexible soft shafts of  $\Phi$  16mm (5/8") are used to clean small complex.
- Using sectional helical flexible shafts of  $\Phi$  16mm (5/8"), pipes of  $\Phi$  32-100mm (1 1/4"-4") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 400 rpm, and the soft shaft stops when the handle is released.
- Input Power: 390W.
- Rated Voltage: 220V, 110V optional, frequency 50Hz, 60Hz optional.

## RH1-1 $\Phi$ 16 mm Soft Drills

 NO:2.2111 RH1-1 $\Phi$ 16mm Soft shaft		2.0131 R-3-1	1 piece $\Phi$ 16mmx2.3m flexible soft shafts
		2.0141 R-4-1	7 pieces $\Phi$ 16mmx2.3m soft shafts
		2.0316 F-1-f	$\Phi$ 430 soft shaft holder



## ZHa-6 $\Phi$ 16 mm drills

			
NO:2.0211 T-1-a Straight Auger	NO:2.0211 T-2-a Bulb Auger	NO:2.0231 T-3-a Flexible Bulb Auger	NO:2.0251 T-5-a Retrieving Auger
			
NO:2.0261 T-6-a 4-Blade Cutter	NO:2.0271 T-7-a Grease Cutter	NO:2.0281 T-8-a Sawtooth Cutter	NO:2.0291 T-9-a "C" cutter

## Accessories

		
NO:2.0316 F-6-a Accessory Barrel	NO:2.0321 F-2-a $\Phi$ 8mm*5m soft shaft combination	NO:2.0351 F-3-a $\Phi$ 4 Key
		Optional Purchase Part
NO:2.0351 F-5-a Protection gloves	NO:2.0291 F-7-a Optional 1.8 m Protection tube	

# SECTIONAL MACHINE



CE NO:2.2013 GQ-150

## Basic Equipments

Catalog No.	Type.	Description	Weight
2.2013	GQ-150	2.2003 Main machine	17.10 Kg.
		RH1-3 $\Phi$ 16mm soft shafts	6.77 Kg.
		RH2-1 $\Phi$ 22mm soft shafts	11.70 Kg.
		ZHa-3 $\Phi$ 16mm drills 4 pieces	0.48 Kg.
		ZHb-1 $\Phi$ 22mm drills 4 pieces	0.25 Kg.
		F-3-a $\Phi$ 4 key	0.48 Kg.
		F-3-b $\Phi$ 5.5 key	0.03 Kg.
		F-2-b $\Phi$ 8mm x 5m soft shaft combination	3.30 Kg.
		F-5-a Protection gloves	0.25 Kg.
		F-6-a Accessory barrel	2.00 Kg.





# SECTIONAL MACHINE



## GQ-150




- Applicable for all kinds of indoor pipes of  $\Phi$  20-150mm (3/4"-6").
- Multifunctional, heavy duty, compact structure, wide application scope, using soft shafts of  $\Phi$  8 mm (5/16"),  $\Phi$  16 mm (5/8") and  $\Phi$  22mm (7/8").
- Support is provided, to adjust the height and angle of the machine to accommodate different working environment.
- Using soft shafts of  $\Phi$  8mm (5/16"), the cleaning diameter range is  $\Phi$  20-75 mm, especially suitable for small diameter pipes or complex pipes like traps.
- Using flexible soft shafts of  $\Phi$  16 (5/16"), it is more suitable for small complex pipelines.
- Using sectional helical flexible shafts of  $\Phi$  16 mm (5/8"), pipes of  $\Phi$  32-100 mm (3/4 - 4") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Using sectional helical flexible shafts of  $\Phi$  22mm (7/8"), pipes of  $\Phi$  50-150 mm (2-6") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 400 rpm, and the soft shaft stops when the handle is released.
- Input Power: 390W.
- Rated voltage: 220V, 110V, optional, frequency of 50Hz, 60Hz optional.

### RH1-3 $\Phi$ 16 mm Soft Drills

		2.0131	R-3-1	1 piece $\Phi$ 16mmx2.3m flexible soft shafts
		2.0141	R-4-1	5 pieces $\Phi$ 16 mm x 2.3 m soft shafts
		2.0316	F-1-f	$\Phi$ 430 soft shaft holder

NO:2.2113 RH1-3  
 $\Phi$ 16mm Soft shaft

### RH2-1 $\Phi$ 22 mm Soft Drills















		2.0142	R-3-1	3 piece $\Phi$ 22 mm x 4.6 m soft shafts
		2.0141	F-1-f	$\Phi$ 430 soft shaft holder

NO:2.2113 RH2-1  
 $\Phi$ 22mm Soft shaft

### ZHa-3 $\Phi$ 16 mm drills

### ZHb-1 $\Phi$ 22 mm drills

### Accessories

						
NO:2.0211 T-1-a Straight Auger	NO:2.0231 T-3-a Flexible Bulb Auger	NO:2.0212 T-1-b Straight Auger	NO:2.0242 T-4-a Funnel Auger	NO:2.0321 F-2-a $\Phi$ 8mm*5m soft shaft combination	NO:2.0316 F-6-a Accessory Barrel	NO:2.0331 F-3-a $\Phi$ 4 Key
						
NO:2.0261 T-6-a 4-Blade Cutter	NO:2.0251 T-5-a Retrieving Auger	NO:2.0262 T-6-b 4-Blade Cutter	NO:2.0272 T-7-b Grease Cutter	NO:2.0332 F-3-b $\Phi$ 5.5 Key	NO:2.0351 F-5-a Protection gloves	NO:2.0373 F-7-c Optional 1.8 m Protection tube

Optional Purchase Part



# SECTIONAL MACHINE

Aluminium-Druckgussrahmen

Drive lever  
can be locked in the rest position  
and used as a carrying handle

Integrierte  
Haltevorrichtung

Sidecover  
High strength  
Engineering plastics

CE NO:2.2017 D-150

## Basic Equipments

Catalog No.	Type.	Description	Weight
2.2017	D-150	2.2007 Main machine	18.20 Kg.
		RH1-3 Ø 16mm soft shafts	6.77 Kg.
		RH2-1 Ø 22mm soft shafts	11.70 Kg.
		ZHa-3 Ø 16mm drills 4 pieces	0.48 Kg.
		ZHb-1 Ø 22mm drills 4 pieces	0.03 Kg.
		F-3-a Ø 4 key	0.04 Kg.
		F-3-b Ø 5.5 key	0.03 Kg.
		F-2-b Ø 8mm x 5m soft shaft combination	3.30 Kg.
		F-5-a Protection gloves	0.25 Kg.
		F-6-a Accessory barrel	2.00 Kg.





# SECTIONAL MACHINE

## D-150




- Applicable for all kinds of indoor pipes of  $\Phi$  20-150mm (3/4"-6").
- Multifunctional, heavy duty, compact structure, wide application scope, using soft shafts of  $\Phi$  8mm (5/16"),  $\Phi$  16mm (5/8") and  $\Phi$  22mm (7/8").
- Support is provided, to adjust the height and angle of the machine to accommodate different working environment.
- Using soft shafts of  $\Phi$  8mm (5/16"), the cleaning diameter range is  $\Phi$  20-75mm, especially suitable for small diameter pipes or complex pipes like traps.
- Using flexible soft shafts of  $\Phi$  16 (5/8"), is more suitable for small complex pipelines.
- Using sectional helical flexible shafts of  $\Phi$  6mm (5/8"), pipes of  $\Phi$  32-1000 mm (3/4"-4") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Using sectional helical fibre shafts of  $\Phi$  22mm (7/8"), pipes of  $\Phi$  50-150mm (2"-6") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 400 rpm, and the soft shaft stops when the handle is released.
- Input power : 570W
- Rated voltage: 220V, 110V, optional, frequency of 50Hz, 60Hz optional.









## RH1-3 $\Phi$ 16 mm Soft Drills

 NO:2.2113 RH1-3 $\Phi$ 16mm Soft shaft		2.0131	R-3-1	1 piece $\Phi$ 16mmx2.3m flexible soft shafts
		2.0141	R-4-1	5 pieces $\Phi$ 16 mm x 2.3 m soft shafts
		2.0316	F-1-f	$\Phi$ 430 soft shaft holder

## RH2-1 $\Phi$ 22 mm Soft Drills

 NO:2.2113 RH2-1 $\Phi$ 22mm Soft shaft		2.0142	R-3-1	3 piece $\Phi$ 22 mm x 4.6 m soft shafts
		2.0141	F-1-f	$\Phi$ 430 soft shaft holder

## ZHa-3 $\Phi$ 16 mm drills

		
NO:2.0211 T-1-a Straight Auger	NO:2.0231 T-3-a Flexible Bulb Auger	NO:2.0251 T-5-a Retrieving Auger
		
NO:2.0261 T-6-a 4-Blade Cutter	NO:2.0321 F-2-a $\Phi$ 8mm*5m soft shaft combination	NO:2.0316 F-6-a Accessory Barrel

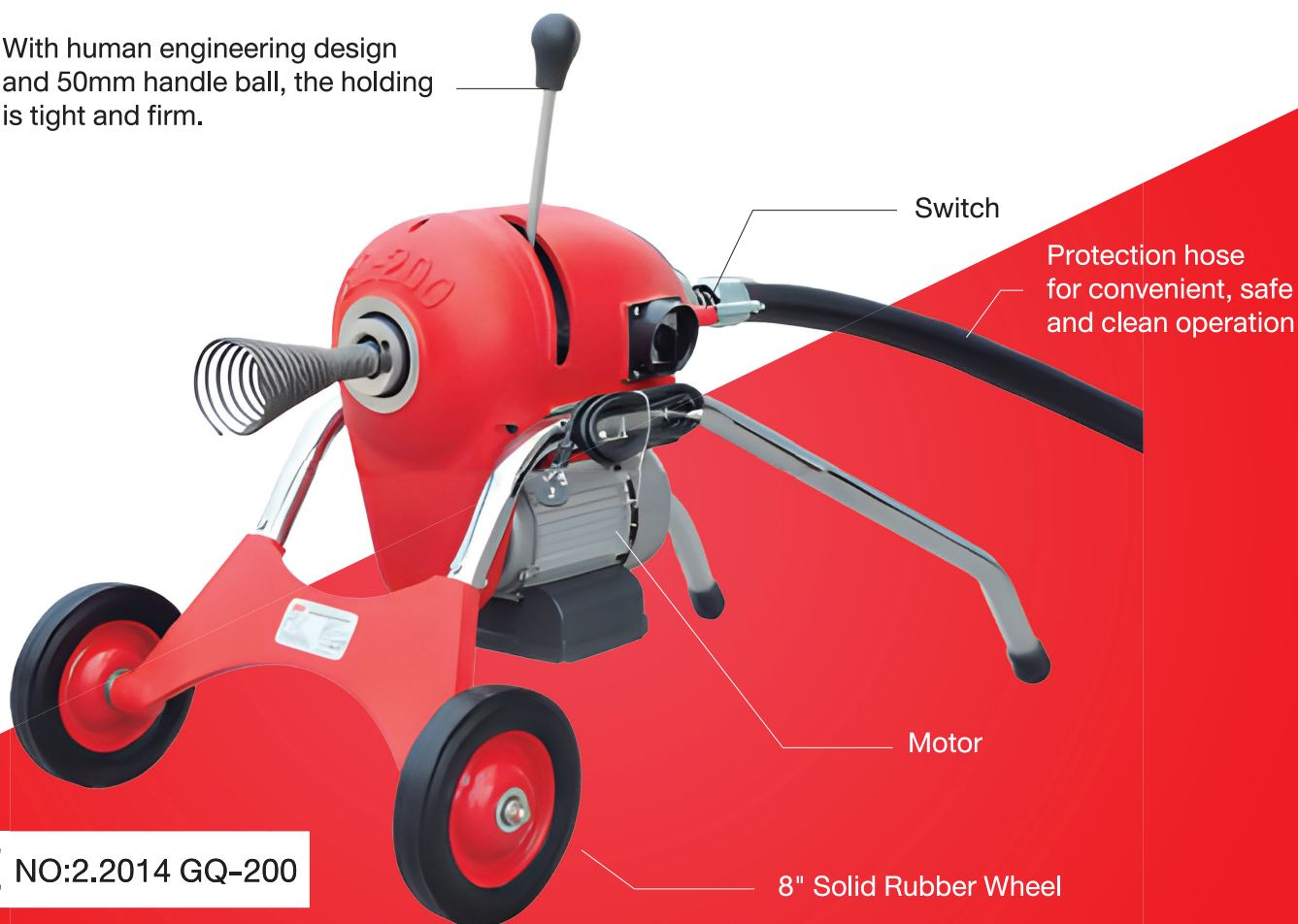
## ZHb-1 $\Phi$ 22 mm drills

			
NO:2.0212 T-1-b Straight Auger	NO:2.0242 T-4-a Funnel Auger	NO:2.0262 T-6-b 4-Blade Cutter	NO:2.0272 T-7-b Grease Cutter
			
NO:2.0331 F-3-a $\Phi$ 4 Key	NO:2.0332 F-3-b $\Phi$ 5.5 Key	NO:2.0351 F-5-a Protection gloves	NO:2.0373 F-7-c Optional 1.8 m Protection tube

Optional Purchase Part

# SECTIONAL MACHINE

With human engineering design and 50mm handle ball, the holding is tight and firm.



## Basic Equipments

Catalog No.	Type.	Description	Weight
2.2014	GQ-200	2.2004 Main machine	36.57 Kg.
		RH3-1 $\Phi$ 30 mm soft shafts	27.50 Kg.
		ZHc-1 $\Phi$ 30 mm drills 6 pieces	1.90 Kg.
		F-3-b $\Phi$ 5.5 key	0.04 Kg.
		F-5-a Protection gloves	0.25 Kg.
		F-7-b Protection tube	1.50 Kg.
		F-9-a Drill Shelf	0.12 Kg.

## RH3-1 $\Phi$ 30 mm Soft Drills



NO:2.2114 RH3-1  
 $\Phi$  30 mm Soft shaft



2.0143 R-4-1 4 piece  $\Phi$  30 mm x 4.6 m soft shafts

2.0317 F-1-g  $\Phi$  500 soft shaft holder



# SECTIONAL MACHINE



## GQ-200

- Applicable for all kinds of outdoor pipes of  $\Phi$  50-200mm (2"-8").
- The choice type of multfunction, heavy duty type, the main machine and soft shafts have walking wheels, one man is capable of doing complex pipe cleaning jobs easily.
- Special drill shelf are easy to maintain and use.
- Using sectional helical flexible shafts of  $\Phi$  30mm (1 1/4"), pipes of  $\Phi$  50-200mm (2"-8") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is to 700 rpm, and the soff shaft stops when the handle is reased.
- Input Power: 1100W.
- Rated voltage:220V, 110V, optional, frequency of 50Hz ,60Hz optional.

### ZHc-1 $\Phi$ 30 mm drills



NO:2.0213 T-1-c  
Straight Auger



NO:2.0242 T-4-a  
Funnel Auger



NO:2.0253 T-5-c  
Retrieving Auger



NO:2.0273 T-7-c  
Grease Cutter



NO:2.0283 T-8-c  
Sawtooth Cutter



NO:2.0293 F-5-a  
"C" Cutter

### Accessories



NO:2.0332 F-3-b  
 $\Phi$  5.5 Key



NO:2.0351 F-5-a  
Protection gloves



NO:2.0372 F-7-b  
Protection Tube



NO:2.0272 T-7-b  
Grease Cutter

# SECTIONAL MACHINE

With human engineering design and 50mm handle ball, the holding is tight and firm.

With side mounted motor capacitance connecting box and anti collision frame, the collision can be prevented more effectively



CE NO:2.2019A D-200-1A

More room for reserve accessories

Adjustable Handle

The inflate wheel of 10" can provide more stable support and the machine can be move easily, it is convenient for climbing the stairs.

## Basic Equipments

Catalog No.	Type.	Description	Weight
2.2019A	D-200-1A	2.2009A Main machine	43.00 Kg.
		RH3-1 $\Phi$ 30 mm soft shafts	27.50 Kg.
		ZHc-1 $\Phi$ 30 mm drills 6 pieces	1.90 Kg.
		F-3-b $\Phi$ 5.5 key	0.04 Kg.
		F-5-a Protection gloves	0.25 Kg.
		F-7-b Protection Tube	1.50 Kg.
		F-9-a Drill Shelf	0.12 Kg.

## RH3-1 $\Phi$ 30 mm Soft Drills



NO:2.2114 RH3-1  
 $\Phi$  30 mm Soft shaft



2.0143 R-4-1 4 piece  $\Phi$  30 mm x 4.6 m soft shafts

2.0317 F-1-g  $\Phi$  500 soft shaft holder

# SECTIONAL MACHINE



## D-200-1A

- Applicable for all kinds of outdoor pipes of  $\Phi$  50-200mm (2"-8").
- The choice type of multifunction, heavy duty type, the main machine and soft shafts have walking wheels, one man is capable of doing complex pipe cleaning jobs easily.
- Special drill shelf are easy to maintain and use.
- Using sectional helical flexible shafts of  $\Phi$  30mm (1 1/4"), pipes of  $\Phi$  50-200mm (2"-8") diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 700 rpm, and the soft shaft stops when the handle is released.
- Input Power: 1100W.
- Rated voltage : 220V, 110V, optional, frequency of 50Hz ,60Hz optional.



With side mounted motor capacitance connecting box and anti collision frame, the collision can be prevented more effectively




Drilling tool hanging rack can hold all drilling tools



Adjustable hand  
Convenient climb  
with 10" inflatable



Catalog No.	Type.	Description
2.0511	Z-1-a	$\Phi$ 16, $\Phi$ 22 Cable adaptor
		

**Options: 16mm , 22mm cable adaptor**  
Equipped with 16, 22mm cable adapter, improve the using function Easy to install, insert adaptor into machine by relative guide pin,

## ZHc-1 $\Phi$ 30 mm drills

## Accessories



NO:2.0213 T-1-c  
Straight Auger



NO:2.0242 T-4-a  
Funnel Auger



NO:2.0253 T-5-c  
Retrieving Auger



NO:2.0332 F-3-b  
 $\Phi$  5.5 Key



NO:2.0351 F-5-a  
Protection gloves



NO:2.0372 F-7-b  
Protection Tube



NO:2.0272 T-7-b  
Grease Cutter



NO:2.0273 T-7-c  
Grease Cutter



NO:2.0283 T-8-c  
Sawtooth Cutter



NO:2.0293 F-5-a  
"C" Cutter



# DRUM MACHINE

### D-300F

- Applicable for both indoor and outdoor of  $\Phi 32\sim 100\text{mm}$  (1 1/4"-4") in
- Entirely sealed structure, flexible soft shafts are put in drum to ensure cleaner and more convenient use.
- Built-in Ground fault circuit interrupter (GFCI) and air foot switch, more convenient and safety operation.
- Rated voltage:220V;110V optional Frequencies of 50HZ; 60HZ optional.
- Drum spin at 300 rpm.
- Input power: 390W



### NO:2.3010A D-300AF

Optional parts with 8" solid rubber wheel and removable handle,easily moving, light and handy, save time and effort.



NO:2.3010A D-300F



**Inner-core cable High Intensity Anti-twisting Anti-kinking**  
High quality steel wire coiled around the steel wire rope tightly and special treated ,the inner-core cable can meet the requirement of every heavy duty job.

#### Basic Equipments

Catalog No.	Type.	Description	Weight
2.3010	D-300F	Main machine	17.50 Kg.
		R-8-1 $\Phi 12.7\text{mm}\times 15\text{m}(1/2''\times 50')$ inner-core cable	10.50 Kg.
		ZHa-6 $\Phi 22\text{mm}$ soft shafts	0.16 Kg.

**Note:**  
Drum Capacity:  
12.7mm\*15m/10mm\*23m

inner core cable optional

#### ZHa-6 $\Phi 16\text{ mm}$ drills



NO:2.0276 T-7-f  
Grease Cutter



NO:2.0296 T-9-f  
"C" Cutter



NO:2.0226 T-2-f  
Bulb Auger



NO:2.0286 T-8-f  
Side Cutter Blades

# DRUM MACHINE

## D-300ZF

- Applicable for both indoor and outdoor of 32~100mm(1 1/4"-4") in lavatories, bathrooms and kitchens. With 12.7mm or 12.7mm(3/8" or 1/2") inner-core cable,
- Entirely sealed structure, flexible soft shafts are put in drum, to ensure cleaner and more convenient use.
- With 8" solid rubber wheel and removable handle, easily moving, light and handy, save time and effort.
- Built-in Ground fault circuit interrupter(GFI) and air foot switch, more convenient and safety operation.
- Auto-Feed device feed and back soft shaft with maximum speed of 5m/min.
- Rated voltage:220V : 110V optional Frequencies of 50HZ : 60HZ optional.
- Drum spin at 300rpm.
- Input power:390W



NO:2.3017 D-330ZF



**Inner-core cable High Intensity Anti-twisting Anti-kinking**  
High quality steel wire coiled around the steel wire rope tightly and special treated ,the inner-core cable can meet the requirement of every heavy duty job.

### Basic Equipments

Catalog No.	Type.	Description	Weight
2.3010	D-330ZF	Main machine	18.20 Kg.
		R-8-1 $\Phi$ 12.7mmx15m(1/2"x50')inner-core cable	6.77 Kg.
		F-9-j Auto-Feed device	1.78 Kg.
		ZHa-6 $\Phi$ 16mm drills 4 pieces	0.16 Kg.

**Note:**  
Drum Capacity:  
12.7mm\*15m/10mm\*23m

inner core cable optional

### ZHa-6 $\Phi$ 16 mm drills



NO:2.0276 T-7-f  
Grease Cutter



NO:2.0296 T-9-f  
"C" Cutter



NO:2.0226 T-2-f  
Bulb Auger



NO:2.0286 T-8-f  
Side Cutter Blades

# DRUM MACHINE

## D-1000

- Applicable for both indoor and outdoor of  $\Phi 32\sim 100\text{mm}$  (1 1/4"-4") in lavatories, bathrooms and kitchens. With  $\Phi 12.5\text{mm}$  (1/2") Inner-core cable.
- Entirely sealed structure, flexible soft shafts are put in drum, to ensure cleaner and more convenient use.
- Drum spin at 250rpm, cable feeding speed 5m/min.
- Input power: 390W.
- Rated voltage: 220V; 110V optional, Frequencies of 50HZ;
- 60HZ optional.

The drum can be adjusted to fit different working position



Pressure Knob

Auto-feed device

Adjust spanner



CE NO:2.2011 GQ-75

**Inner-core cable High Intensity Anti-twisting Anti-kinking**  
High quality steel wire coiled around the steel wire rope tightly and special treated, the inner-core cable can meet the requirement of every heavy duty job.

### Basic Equipments

Catalog No.	Type.	Description	Weight
2.3018A	D-1000A	Main machine	37.80 Kg.
		R-8-1 $\Phi 12.7\text{mm} \times 15\text{m}$ (1/2" $\times$ 50') inner-core cable	10.50 Kg.
		ZHa-5 $\Phi 16\text{mm}$ drills 4 pieces	0.19 Kg.
		F-7-d Auto-Feed device	0.54 Kg.
		F-3-a $\Phi 4$ Key	0.03 Kg.
2.3018B	D-1000A	Main machine	37.80 Kg.
		R-8-2 $\Phi 12.7\text{mm} \times 15\text{m}$ (1/2" $\times$ 50') inner-core cable	16.10 Kg.
		ZHa-5 $\Phi 16\text{mm}$ drills 4 pieces	0.19 Kg.
		F-7-d Auto-Feed device	0.54 Kg.
		F-3-a $\Phi 4$ Key	0.03 Kg.

### ZHa-6 $\Phi 16$ mm drills



NO:2.0225 T-2-e  
Bulb Auger



NO:2.0225 T-2-e  
Retrieving Auger



NO:2.0275 T-7-e  
Grease Cutter



NO:2.0285 T-8-e  
Sawtooth Cutter

### Accessories



NO:2.0331 F-3-a  
 $\Phi 4$  Key



NO:2.0374 F-7-d  
Protection Tube





[www.titanrooter.com](http://www.titanrooter.com)



[titan@k-wiz.co.th](mailto:titan@k-wiz.co.th)



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TITAN เครื่องทะลวงท่อ ทุเหล็ก



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