



TW-450 Thermoplastic Kneader Marking Machine

Thermoplastic kneader marking machine, a multifunctional hand-pushing machine integrated with hot-melting kettle and kneader marking machine, is applicable to projects like parking lot, school, residential neighborhood and factory, which are small amount of work but scattered and complicated. The machine is small in size and weight, easy and convenient in operation with only two operators for working.



Special marking machine for underground parking lots

The machine is especially applicable to in construction in enclosed environment like underground parking lots. Conventional thermoplastic kneader machines have to be carried by trucks for operation and cannot enter underground buildings due to floor height limit; furthermore, powered by diesel engines, they emit much exhaust gases, very likely to bring pollution in underground environment. TW-150/450 thermoplastic kneader marking machine, conveniently small and exquisite without the disadvantages in conventional products, may be used as special marking machine for underground parking lots.



Technical parameters

Outer dimensions (LxWxH):	1350X950X1100mm
Total weight of machine:	190 KG
Capacity of glass bead box:	10kg
Capacity of stirring tank:	160kg
Coating thickness:	1.2-4.0mm
Bead dispensing method:	A gear driven automatic clutch is used to trim the bead dispensing rate
Heating temperature:	170-220℃
Use of LPG cylinder:	15kg
Marking width:	100、150、200、300、 The machine is more suitable for marking 450mm zebra stripes

Features

1. Hand-driven chain drives impellers to agitate melting materials, being light and handy in operation.
2. Specialized mid-pressure furnace is equipped for industrial use, which has high thermal efficiency and fast melting. Triple-layered heat insulation plates are added between furnace and LPG tank guarantee safety in use.
3. Unique controllable fire valve enables the operator to adjust the valve and regulate the blaze with eyes on the fire, being high in efficiency and safety.
4. Two moveable extraction stacks discharge exhaust gas in time to maintain good working environment.
5. Triple-layered removable covers make it convenient to clean the kettle and change melting materials in different colors.



TW-150 hand push marking machine

Hand push marking machine is one of the key machines for thermo-melting coating marking. The marking quality depends on the stability of machine frame and the operating range of marking hopper, which reflect the difference in performance of machine.

TW-150 hand push marking machine solves such problems as uneven finishing mark and excessive operating range, getting over the problem of body instability with conventional products in marking 450mm zebra stripes.



Technical parameters

Outer dimensions (L*W*H):	1200X800X1000mm
Total weight of machine:	120 KG
Capacity of glass bead box:	10kg
Capacity of material tank:	105kg
Coating thickness:	1.2-4.0mm
Bead dispensing method:	A gear driven automatic clutch is used to trim the bead dispensing rate.
Heating temperature:	170-220℃
Use of LPG cylinder:	15kg
Marking width:	100、150、200、300, The machine is more suitable for marking 450mm zebra stripes.



Features

1. Suitable enter of gravity ensuring stability

This new type of product, with the center of gravity shifted to left and the distance between front wheels widened, successfully gets over the problem of body instability in conventional products in marking 450mm zebra stripes. A cylindrical helical spring is specially added to the marking hopper's hanging bracket, making the heavy marking hopper operate easily and freely as common ones.



2. Marking hopper

Thanks to countless tests by professional technicians, the operating range of the handle of the new type marking hopper can be reduced from 300mm (as traditional products have) to 100mm, therefore such problems as slow hopper withdrawal and uneven finishing mark edge are solved. A multi-point sliding block pressing structure is used to avoid material leakage which often occurs to similar products due to the two tightly pressed sides and large deformation in the middle of product alike.

3. High temperature resistance design

Design of double-layer fireproofing for front right wheel doubles its service life.



4. Flame route switch and gauge design

A pulling cable and a spring lift structure are used for the front gauge so that an operator can freely control the up-and-down movement of gauge in a simply convenient way.

The unique design of the controllable flame route switch allows the operator to directly observe and adjust the flames at three positions with high efficiency, safety, and even hands staying on the flame route control valve.



TW- 800 Hydraulic double-cylinder thermoplastic kneader



TW-800 is one of the key machines for thermoplastic marking. The stirring evenness, coating melting rate and quality of the thermoplastic kneader directly influence the marking quality and fuel consumption. The innovation of the kneader structure is one of the key tasks of road marking machine industry. New generation thermoplastic kneader product of TOP WAY Company has the flame with optimal burning distance and the best stirring speed resulting in the increase of melting efficiency by about 20%.

Technical parameters

Outer dimensions (L*W*H): 1620*1000*1580 mm

Total weight of machine: 800 KG

Diesel engine power: 12 KW

Coating tank capacity: 400kg*2

Stirring speed: 20~80 r/min

Stirring method: Four helical blades can rotate leftwards and rightwards to move the coating up and down.

Heating temperature: 175~230°C

Engine start method: Electrical /manual

Hydraulic oil tank capacity: 50 L

Fuel: LPG



TW-800 Hydraulic double-cylinder thermoplastic kneader



Features

- This hydraulic double-cylinder thermoplastic kneader is equipped with a gear pump shaft coupling developed independently by TOP WAY, and has the pioneering design of engine and hydraulic oil tank on the top of the machine, so it is about 40% smaller than other similar products. The feeding opening is 900mm high.
- Ergonomic design allows smooth operation and makes feeding process easier. The kneader has light weight and smaller size but carries more coating thus increases working speed.
- Large diameter semicircular stamping kneader bottom has the heating area 26% more than general thermoplastic kneaders.
- Suspending stove rack can randomly adjust the distance between the stove and the kneader bottom in order to allow the outer flame to burn the kneader bottom to fully utilize fuel and increase melting efficiency.
- A stepless speed changing multi-way reversing valve together with two cylinders and four helical blades enable clockwise or counterclockwise stirring, thus accelerate feeding and melting of dry materials.
- Human-oriented design can ensure labor protection
The hydraulic oil tank and engine bottom are insulated with double layers and the chimney is insulated to greatly reduce scald risk. The appearance design featuring 45° bevel and semicircular form can reduce accidental injury.
Protective facilities
Rotating part is provided with a protective cover.
The hydraulic system is provided with an overpressure overflow valve.



GUANGZHOU TOP WAY ROAD MACHINERY CO., LTD

No 9411 Shixin Road, Nancun Town, Panyu District, Guangzhou, China 511442

TW-800 Mechanical Double-cylinder Thermoplastic Kneader

Traditional mechanic thermoplastic kneader mixes melting materials in mechanic manner at slow rotate speed and the newly-loaded dry materials cannot be melted quickly. The hydraulic thermoplastic kneader, rotating at higher speed, is quite expensive. TOP WAY improved mechanic thermoplastic kneaders single-cylinder and double-cylinder have the rotate speed up to 60rpm, approaching to that of hydraulic thermoplastic kneader, melt materials more quickly with higher performance-price ratio.



TOP WAY'S latest adjustable overloading clutch solves the most common problems of overloading protection in traditional mechanic kneaders and reduces the rate of failure occurrence.

Tel: +86- 755 – 8392 0483
Email: oversea@topwaytraffic.com.cn

Fax: +86-755 – 8392 0875
[Http://www.topwaytraffic.com.cn](http://www.topwaytraffic.com.cn)



Technical parameters

Outer dimensions (L*W*H):	1620*1100*1450mm
Total weight of machine:	680 KG
Diesel engine power:	5KW
Capacity of stirring tank:	800kg
Stirring speed:	50~60 r/min
Stirring method:	Four helical blades can rotate leftwards and rightwards to move the coating up and down.
Heating temperature:	175~230°C
Engine start method:	Electrical
Fuel:	LPG

Features

1. Higher rotate speed increases the traditional ones from 30rpm to 60rpm, close to that of hydraulic thermoplastic kneader.
2. Incline clutch teeth, make the clutch break away automatically once the handle positioning button is pressed or in the case of unexpected overloading. It avoids the reducer axis breakage and failure of breaking away because of overloading.
3. Accurate positioning button clutch enables easily adjusting of the overloading pressure of clutch spring and the overloading moment.
4. Suspending stove rack can randomly adjust the distance between the stove and the kneader bottom in order to allow the outer flame to burn the kneader bottom, thus increases the fuel usage and melting efficiency.
5. 700mm diameter cylinder with semi sphere stamping kneader bottom can load 400kgs melting material, increasing heating area by 26% over the normal mechanic and hydraulic cylinders of 600mm diameter, achieving high efficiency.



GUANGZHOU TOP WAY ROAD MACHINERY CO., LTD

No 9411 Shixin Road, Nancun Town, Panyu District, Guangzhou, China 511442

TW-400 Mechanical Single-cylinder Thermoplastic Kneader

Traditional mechanic thermoplastic kneader mixes melting materials in mechanic manner at slow rotate speed and the newly-loaded dry materials cannot be melted quickly. The hydraulic thermoplastic kneader, rotating at higher speed, is quite expensive. TOP WAY improved mechanic thermoplastic kneaders single-cylinder and double-cylinder have the rotate speed up to 60rpm, approaching to that of hydraulic thermoplastic kneader, melt materials more quickly with higher performance-price ratio.



TOP WAY'S latest adjustable overloading clutch solves the most common problems of overloading protection in traditional mechanic kneaders and reduces the rate of failure occurrence.

Tel: +86- 755 – 8392 0483
Email: oversea@topwaytraffic.com.cn

Fax: +86-755 – 8392 0875
[Http://www.topwaytraffic.com.cn](http://www.topwaytraffic.com.cn)



Technical parameters

Outer dimensions (L*W*H):	930* 850* 1450mm
Total weight of machine:	380 KG
Diesel engine power:	4.4KW
Capacity of stirring tank:	400kg
Stirring speed:	50~60 r/min
Stirring method:	Four helical blades can rotates leftwards and rightwards to move the coating up and down.
Heating temperature:	175~230°C
Engine start method:	Manual
Fuel:	LPG

Features

1. Higher rotate speed increases the traditional ones from 30rpm to 60rpm, close to that of hydraulic thermoplastic kneader.
2. Incline clutch teeth, make the clutch break away automatically once the handle positioning button is pressed or in the case of unexpected overloading. It avoids the reducer axis breakage and failure of breaking away because of overloading.
3. Accurate positioning button clutch enables easily adjusting of the overloading pressure of clutch spring and the overloading moment.
4. Suspending stove rack can randomly adjust the distance between the stove and the kneader bottom in order to allow the outer flame to burn the kneader bottom, thus increases the fuel usage and melting efficiency.
5. 700mm diameter cylinder with semi sphere stamping kneader bottom can load 400kgs melting material, increasing heating area by 26% over the normal mechanic and hydraulic cylinders of 600mm diameter, achieving high efficiency.