

KEE HING CHEUNG KEE CO., LTD.
DLFTZ CHANG HING KEE
INT'L INDUSTRY & TRADE CO., LTD.



Road Machine

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Road Machine

KHCK company is a specialized enterprise of the development and the production of the necessary facility, and the project construction on highgrade highway. The company covers an area of 8000 square meters, the fixed asset is 9 million ,and the branches and offices are set up in Beijing, shanghai, Guangzhou, Cheng du and Xi' an. We've passed ISO 9001:2000 international quality system authentication and has provided strong post-sale service troops, our product has infiltrated the international market. The company promises seriously:" the post-sale service arrives in 2 days," The series product including: hot melt marking series: hand-push, automatic, raising line, zebra crossing marking machine; hydraulic, mechanical, single cylinder, double cylinder, oil and gas dual purpose hot melt kettle; manual, automatic, mechanical primer spraying machine. normal temperature marking series: hand-push, truck mounted(single cylinder, double cylinder, automotive force output)cold spraying marking machine. specialized paint series for traffic marking: raising, hot melt, normal temperature marking paint. necessary series highway: automatic, truck mounted, hydraulic monkey pile-driver: hydraulic pile drawer; guard rail cleaner; synthesis maintenance vehicle. we are willing to make success together with the colleagues all around the world.



Road Marking Machine Process

For already have the old marking line which need to follow the step below.

Removal old marking

Hot melt marking removal



Primer spraying

Primer spraying machine



New marking

Cold/hot marking machine

Marking machine

Cold marking machine

Manual cold spraying marking machine
Truck mounted cold spraying marking

Hot marking machine

Automatic raising line marking machine
Manual hot melt marking machine
Zebra Crossing marking machine
Double cylinder hydraulic hot melt pot
Double cylinder mechanical melt kettle

For new road , you can start from new marking directly

Removal Old Marking

KHCX-210 Hot Melt Marking Remover



Usage and characteristics

KHCX—210 Hot Melt Marking Remover is specialized equipment applicable to remove the original old marking for the purpose of repairing and changing the hot melt marking of expressways and urban streets. In order to prolong service life of the equipment and to improve the quality of grinding, American B&S gasoline engine has adopted by the machine, and inlaid hard-alloy structure with high wear-resisting property has also been adopted, and unique chip groove has also been equipped with, as a result, damage to the surface is greatly reduced, and markings are removed thoroughly. The machine features strong power, high speed, safe operation, low vibration & noise, dustproof, and easy to operate; all contribute to your desired result of removing old markings.

Main technical parameters

external dimension	1100x780x1000
power of gasoline engine	10.5HP
depth of grinding	asphalt road 4mm cement road 3mm
speed of removing marking	300-350m/h (15cm wide continuous line)
Life span of blade	23-30km (use appropriately)
weight of complete machine	165kg

Primary Spraying

KHDQ-J Primary Paint Spray liner (Before spraying equipment)



Usage and characteristics

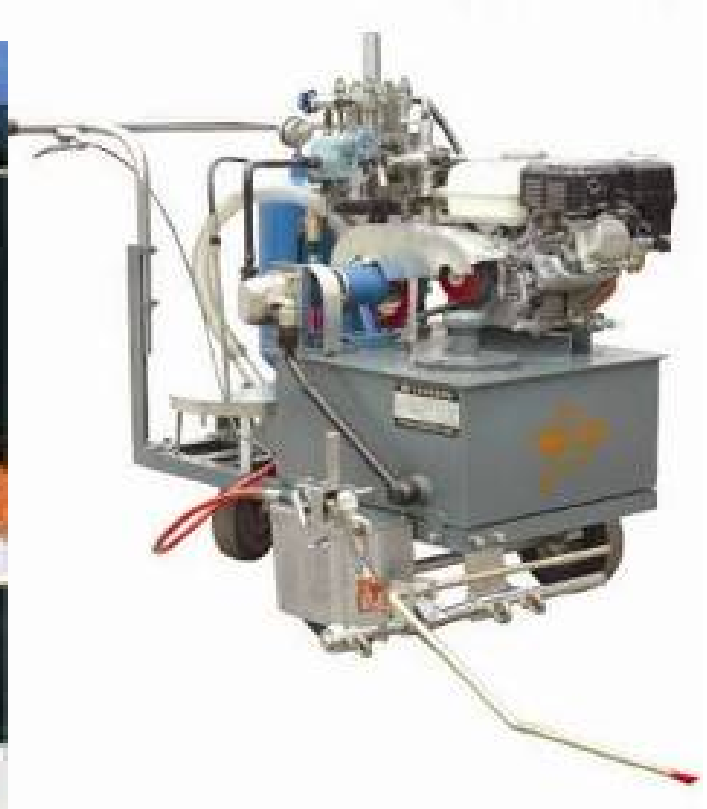
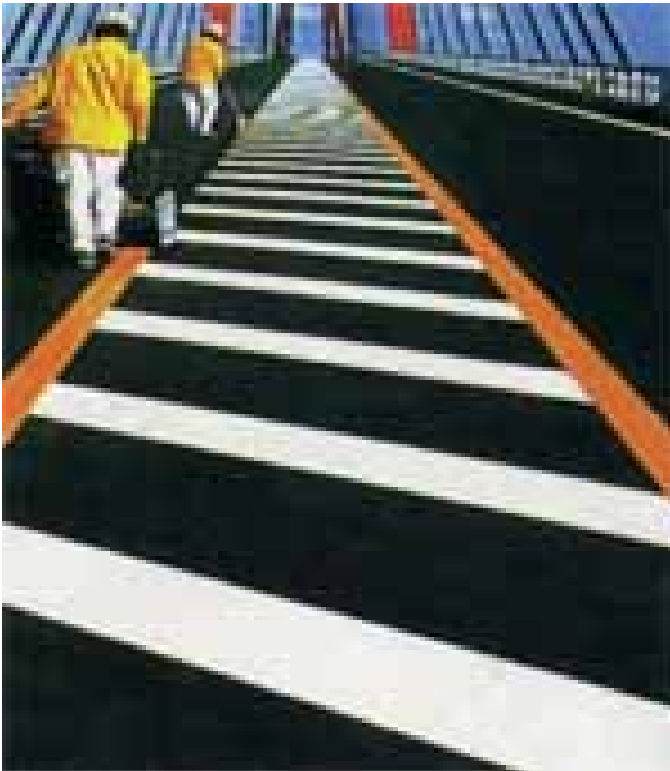
KHDQ—J Primary Paint Spray Liner is a special hot-melt type primer equipment for various marking line which is compact, smart, convenient and easy to use and with low energy consumption, low noise, and convenient to repair.

Main technical parameters

Size	1300 X 600 X 900mm
Gasoline engine power	5.5HP
Air pump flow	0.2m ³ /s
Air pump rotation	1000r/min
Rated pressure	0.6Mpa
Max. pressure	0.8Mpa
Spraying width	100-450mm (Variable)
Spraying velocity	40m/min
Volume (liquid)	25L
Mass	80kg

Cold Series Marking Machine

KHLP-S100-400 Cooling Manual Pushing Marking Liner



Characteristics

KHLP-S100-400 Cooling Manual Pushing Marking Liner is specialized airless spraying equipment for marking of highway, applicable to road axis of provincial, national and municipal highway and airport, parking lot and countryside road, roadway, lane line, stabling siding, dotted line, real line, curved line, arrow, letters, zebra crossing and meanwhile spraying of common paint and water soluble paint for internal and external wall. The machine adopts HONDA gasoline motor in which fluid cylinder dives plunger pump to make reciprocating movement to absorb paint causing high pressure with high flow rate and high efficiency, the speed of marking reaches 4-5 kilometers per hour. The machine features flexible operation, clear and full marking, high adhesive force of paint and small volume, being light in weight and a wide range of applications of marking and spraying.



Main technical parameters

Engine power	4.1kw
Rotation speed	2500r/min
Max pressure	8Mpa (paint pressure)
Rated pressure	12Mpa (paint pressure)
Spraying pressure	10MPA(Paint pressure)
Model of nozzle	23H30
Speed of marking	4-5km/h
Spraying	100-400mm (adjustable)
Thickness of spraying	0.2-0.4mm
Applicable viscosity	80-100ku
Flow rate	4L/min
Weight	200kg
External dimension	1200x920x1050mm

Cold Series Marking Machine Truck Mounted

**KHLP-C100-400 single cylinder high-pressure & no-gas cold
spraying marking machine**



Application

The cylinder truck mounted high-pressure & no-gas cold spraying marking machine is specialized equipment for traffic marking, and is used for straight line, dotted line, curve, a guide arrow, letters, and figures for highway, urban area, airfield, and parking.

Design features

It consists of the mechanical number coder, electrical system, principal machine, spray gun, and measuring scale. The machine made in Japan is used for motive power, the plunger pump driven by hydraulic cylinder to move to and fro to take in paint and produce high pressure, and two spray guns are available. Double full lines may be completed at a time.

The machine falls into three types that are single cylinder, double cylinder, and automotive engine force output, and white or yellow paint may be replaced when the double cylinder marking

machine works. the special marking car with automotive force output is of great rate of work and better marking effect.

Truck Mounted

KHLP-C100-400 Double Cylinder High-Pressure& No-gas Cold Spraying Marking Machine



Main technical parameters

dimensions	ouble cylinder 1665x1298x1600mm (principle machine) single cylinder 1500x1300x1500mm (principle machine)
engine power	9.5kw
rated pressure of plunger pump	16mpa
hydraulic cylinder working pressure	chamber a 4.5mpa chamber b 5.5mpa
painting width	100-400mm (adjustable)
painting thickness	0.2-0.4mm
marking speed	5km/h
weight of complete machine	650kg of double cylinder 500kg of single cylinder

Hot Series Marking Machine

KHTQ-Z 150/200/300 The Automatic Raising Line Marking Machine



Use

KHTQ-Z The automatic raising line marking machine is special-purpose equipment for all kinds of raised marking. At present raised marking is universally used in developed countries. Raised marking is applicable to urban express highway, or entrance to elevated road circuit to remind forced speed reduction of vehicles and reduce traffic accident.

Design features

The product consists of sensing, microcomputer, pneumatic, and hydraulic, basic line and raising line may be completed to mark at a time, all kinds of raising marking may be optionally set with clear line, regular shape, and strong reflectance.

1. The control system of this machine uses the computer intelligence sequencing to control, and air operated part to execute the work. The establishment has two kinds of functions— automatic control and hand control .when automatic control function is working, it can design the specification of the line marking according to the request of the engineering design blueprint, draws a line according to the designed procedure, automatically executes the length and the spacing of the raised marking, the movement is accurate and ease of operation. The manual function is used in the condition of debugging the equipment, cleaning coating bucket, or in the peculiar circumstance.

2. The walking system of this machine uses imported hydraulic pressure stepless speed regulation installment overseas. When drawing a line, ideal walking speed can be acquired only by moving the velocity modulation handle and going forward or backward can be adjusted at any time. It guarantees the construction quality and the speed, the flexible operation reduces the labor intensity, enhances the construction efficiency.

3. The coating bucket which is made carefully has the ease of operation, it walks steadily, with good effect, even coating, neat linear, and clear corners.

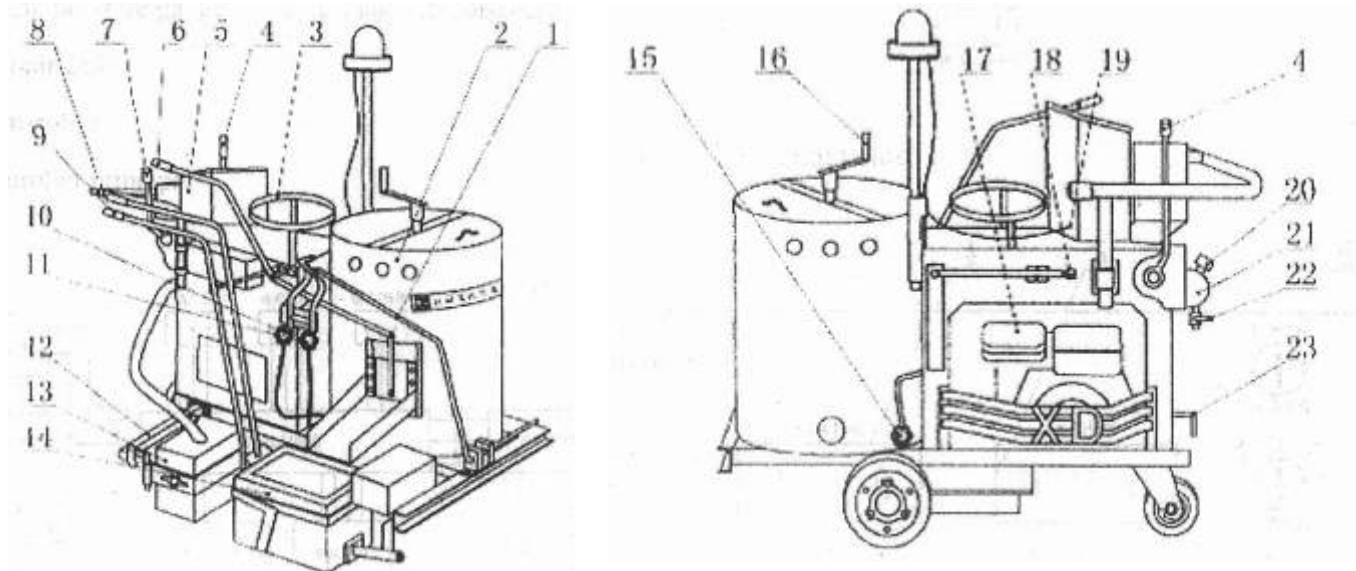
4. The structure of the bead scatters' disposition is advanced, compact, ease of operation, and flexible, when the gratitude width is 100. 150,or 200mm. it does not need to replace any part, the width may move as necessary, The quantity conforms to the GB5768standard.

Main technical parameter

Complete machine volume	350mmx980mmx 1300mm
Complete machine quality	275kg
Engine power	4.8Kw
Working pressure	4Mpa
Working voltage	2V
Coating barrel capacity	100kg
Walking installment	Hydraulic pressure step less speed regulation
Walking speed	4Km/h

Lineation speed	400m/h
Gradient	15°
Hopper disposition	50mm
Bead Scatters	100mm-200mm adjustable
Bulge spacing	establishes willfully in 5-995mm , error ±5mm
Bulge height	- 5mm
Bulge width	150 buckets Standard 300mm(200 buckets are 35mm) three (Also make it according to the customers' request
Foundation gratitude thickness	1.5-2mm adjustable

Diagram of mechanism



1.steering bar	2.coating bucket	3.Liquefies gas storage holder
4.Velocity modulation handle	5. procedure operation box	6. putting material handle of coating bucket
7. the beaded glass fights the meeting and parting to move	8. steering handle	9. putting material handle of coating barrel
10.11. fuel gas switch of coating bucket	12. the beaded glass fights the suspension hook place	13. the beaded glass fights
14. coating bucket	15. fuel gas switch of coating barrel	16. handle of coating barrel
17. gasoline engine	18. walk coupling push-pull rod	19.caution light plug
20. pressure gauge	21. gas tank	22. discharge valve
23. trailing wheel positioning pin		

Hot Series Marking Machine

KHRJ-Z150 Automatic Hot Helt Marking Machine



Application and Design features

The automatic hot melt marking machine is a new generation of manual hot melt marking machine and is special-purpose equipment for traffic marking .It may be used for highway and urban road reflective marking of straight line ,dotted line ,dotted line ,curve ,oriented arrow ,and letters.

The engine made in Japan and infinite infinite speed variation running gears are used for the product that is of steady running ,small noise ,handy operation, natty marking ,and even smear. The measurable spreader may evenly drop beads, and the width of bead dropping can be adjusted optionally .The special rubber wheel is of exclusive formula, antifriction ,aging resistance ,and n. aging resistance.

The main technical parameters

Dimensions	1150*1150*850mm.
weight	200kg
Power	4.0HP
Capability of mixer hopper	100kg
Sashay speed	0-5km/h
Marking width	100mm,150mm,200mm,300mm
Supporting coating	100mm,200mm,300.
Glass bear spreader	adjustable: 100,150,200mm,300mm

Liquefied gas storage tank	15kg for standard tank.
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Hot Series Marking Machine

KHRJ-S100/150/200 Manual Hot Melt Marking Machine



Application

KHRJ-S100/150/200 type of manual hot melt marking machines is special-purpose equipment for traffic marking. It may be used for road axis, lane line and airport to mark all sorts of mark lines that are reflective such as straight line, dotted line, curve, oriented arrow, and letters. It is fit for such specifications as 100mm, 150mm and 200 mm of coating hoppers as well as 300mm, 400mm and 450mm specifications of coating hoppers according to the requirements of traffic marking width.

Major Technical Parameters

Dimensions	1200mm x 900mm x 1100mm
Coating weight	100 kg
Marking width	100mm, 150mm, 200mm, 250mm, 300mm, 400mm and 450mm
Marking speed	500-1000m/n
Complete machine weight	120 kg

Hot Series Marking Machine

KHRJ-BM400/450 Zebra Crossing Marking Machine



Application

KHRJ-BM400/450 type of zebra crossing marking machines is major equipment for crosswalk marking. It may also mark crossing guide finger, toll guide line and so on. taking reflecting effect and giving drivers striking marks so that foot passengers have sense of security. The machine cannot melt coating independently so it needs to be used with a hot melt pot together.

Main Technical Parameters

Full length	1200mm
Full width	800mm
Full height	1100mm
Marking width	400mm/450mm
Coating thickness	1.8-4.0 mm (adjustable)
Melt coating weight	60 kg
Heating mode	liquefied gas (for heat preservation)
Heating temperature	180-220-C
Complete machine weight	80 kg

Hot Series Marking Machine

KHYF-430kg×2 Double Cylinder & Hydraulic Hot Melt Kettle



Summary

Hot melt range line coating is powdered at normal temperature and needs to be heated up to melt down into liquid before construction to construct by use of road range line spreading equipment according to traffic regulations to realize static management of traffic safety, reduce traffic accidents, and beautify roadbed.

To heat in liquefied gas combustion system or by use of cyclic heat of heat-conducting oil, the machine is to melt coating in the pot. The machine has two heating means: one of them is direct firing and the other is conductive heating through heat-conducting oil. The heat-conducting oil type of pot body is double layer, and heat-conducting oil is loaded in the interlayer in a natural circulation. The temperature in the pot is even, and coating does not paste at the pan bottom.

With energy saving the pot's heat preservation is better than that of the direct firing type.

KHYF-430kgX 2(medium) double cylinder & hydraulic hot melt pots developed and produced by the Company are new products to replace the older generation. The complete machine is reasonable in structure and its performance is superior to that of domestic similar products. Its operating system is centralized and easy to be mastered with infinite speed variation of stirring. The two pots may operate independently with smooth transmission, low⁷ noise, and high thermal efficiency, which can supply coating required by normal operation of two manual hot melt marking machines. It is ideal equipment to heat and melt coating with good double-layer insulating property and even coating stirring.

The machine is double cylinder heating pot with large volume of mixer hopper. A single cylinder hot melt pot may be made as required

Main technical parameters

External dimensions	KHYF-430kg X 2	1700 X 1820 X 1620mm
Diesel power: rated power	11.03 kW	
Rotating speed	20-100r/min	
Hydraulic system pressure	8-10 Mpa	
Working pressure	4-5 Mpa	
Pot volume	KHYF-430kgX 2	430kg X 2
Complete machine	KHYF-430kgX 2	1250kg

Hot Series Marking Machine

KHJF-430x2Double Cylinder Mechanical Hot Melt Kettle



Application

The double cylinder mechanical hot melt kettle is special-purpose equipment used for melting hot melt paint .

Design features

Mechanical drive and electrical starting device are used for the product that is of simple structure, compactness, lightness, handy operation, good heat preservation, and high thermal efficiency. the product falls into gas fueled type and oil fueled and gas fueled type for dual purpose. the oil

fueled and gas fueled type for dual purpose is applicable to remote mountain areas without liquefied gas

Main technical parameters

External dimensions	KHJF-430kg X 2 1700 X 1350 X 1730mm
Diesel power: rated power	5.67 Kw/hour
Pot volume	430kg X 2
Complete machine weight	750kg

Road Maintain Machine Series

KHLXB-1000 Asphalt Pavement Planer



Application

The asphalt pavement planer may be used to plane and crash highway and square asphalt pavement to trim oil piles and oil waves it may also used for roughcast operation on existing pavement so that new spreading ay be firm even more and it is specialized equipment for maintenance of surface.

Design features

The product's structure is advanced and reasonable performances reliable operation handy and working efficiency high integrating domestic and overseas advanced technologies.imported brand-name products are used for the main parts and components and all of the indexes have superiority over those of domestic similar products.

The machine may be equipped with reclaiming unit to transport wastes dug to the vehicle.

Main technical parameters

the biggest dimensions	9800×2000×3100mm
digging width	1000mm
digging depth	0≈100mm
rated power of engine	147kw
speed of vehicle	0≈11 km/h
grade climbing	≥12°
minimum turning radius	≤18m
maximum unloading height	3100mm
minimum land barrier weight of complete machine	80mm 13000kg

Road Maintain Machine Series

Hydraulic Monkey Pile-Driver



Application

The hydraulic monkey pile-driver is special equipment used for driving express highway protective grating.

Design features

Fluid drive running, positioning, pile driving, pile extraction.

It has the features of pile driving, pile extraction, and quick positioning and high efficiency, and stable performance, and flexible operation, being applicable to driving construction of different geology.

Main technical parameters

dimensions	2200x200x4210mm
engine power	12.1kw
weight of complete machine	2000kg
hydraulic system pressure	10mpa
hydraulic system flow	37l/min
weight of hammer head	320kg
impulse force of hammer head	a bout 3,000kg
maximum hoisting height of hammer head	3300mm

Road Maintain Machine Series

Mobile Hydraulic Pile Driver



Design features

- ① The complete machine is of good dynamic behavior low oil consumption and reliable braking performance.there are 6 seats in the driving cab
- ②Articles for first aid repair guard board steel column and servicing materials may be carried with the machine together
- ③ Its functions of pile driving and pile extraction increase the efficiency of first aid repair of guardrails and it is an ideal device for first aid repair of highways.

Main technical parameters

dimensions	5900×1800×3200
engine power	44kw
weight of complete machine	3740kg
hydraulic system pressure	10mpa
hydraulic system flow	30-50l/min
time of impact	350-780 times/min

Road Maintain Machine Series

Fluid Drive Pile Driver



Design features

Complete functions quick location high efficiency flexible operation and exact position

Main technical parameters

dimensions	2500×2800×3650
engine power	16.2kw
weight of complete machine	2400kg
hydraulic system pressure	16mpa
hydraulic system flow	40ml/r
impact pressure	8-11mpa
impact frequency	11-13hz
wheel track	1670mm