

TO MAKE THE TRANSPORT EASIER

PERFT®



MANUAL TRANSFER CAR
Absorption profession concentration

HENAN PERFECT HANDLING EQUIPMENT CO., LTD

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Performance Characteristics

- 1、 Safe and flexible
- 2、 The running distance is not limited.
- 3、 Low noise level
- 4、 Save labor cost
- 5、 Environmental friendly
- 6、 Easy operation
- 7、 Easy maintenance
- 8、 No requirements for railway installation
- 9、 Heavy carrying capacity
- 10、 Towed by forklift/ winch or manually
- 11、 Unlimited using frequency



Principle

BP series transfer carts is one type powerless carts, this type transfer carts are applied in the severe working condition of lifting metallurgy. It has such characteristic of simple and reliable structure, economic price, convenient maintenance and rail installation, is one traditional rail flat carts optional solution for material transportation.

Manual transfer carts can be pushed or pulled by operators over smooth or semi-smooth floors. They are easily maneuvered without a fork lift. These manual carts are versatile and can be easily customized to suit your application.



Function

1. Transport function: BP series transfer car is designed to transferring material, so the first and foremost function is transport.
2. Good turning capacity: BP series transfer car itself is equipped with turning wheels and is steerable.
3. Hydraulic lifting: BP series transfer car are able to be installed with hydraulic lifting device according to clients demand to realize lifting.
4. Unloader & tipper: BP series transfer car are able to be installed with tipper according to clients demand to unload material.
5. Rolling table: the steerable transfer car can be equipped with roller etc to realize cylinder products turn and other material sliding.
6. Other functions: we are capable of designing and customizing product as per your requirement.



Lift



Dump



Roller

Parameters

1	Load capacity(t)	---
2	Maximum impact load(t)	---
3	Size specification(mm)	(Customized)
4	Height(mm)	(Customized)
5	Two-wheel track(mm)	(Customized)
6	Mode of operation	Push or pull by hand
7	Type of drive	Traction drive
8	Running speed(km/h)	No limit
9	Run length	No limit
10	Wheel diameter(mm)	---
11	Continuous operation time	---
12	Operating noise	≤55db
13	Color	Medium yellow(Customized)
14	Body material	Q235-B

Component Description

1.Frame

The flat cart is manufactured according to JB/T6172-2010 industry standard. The frame structure material is Q235-B. The flat cart steel frame is made of high quality steel. The structure design is reasonable and the bearing capacity is strong. On the basis of ensuring the bearing strength, the dead weight of the structure is reduced as much as possible. Flat carts are equipped with lifting hooks. The steel structure of the frame is based on the principle of crane and adopts the design structure of box beams. The two box beams are welded with steel plates to form I-beams and I-beams and other steel links. The box structure is designed according to the box beam principle of the crane and the standard of the flatbed truck. It is convenient for maintenance, easy for disassembly and assembly, strong in bearing capacity, long in service life and small in deformation of the table top. It can effectively ensure the flatness of the table top steel plate and ensure that the load safety factor is not less than 120%.

The form and size of weld groove for frame welding shall conform to GB 985 and GB 986. Welds shall not have defects such as cracks, air holes, arc pits and slag inclusion. Weld seam undercut depth shall not be greater than 0.5mm, undercut continuous length shall not be greater than 100mm, weld unilateral undercut total length shall not exceed 10% of the weld length, weld slag and spatter on both sides must be removed. The quality and inspection of welds of main structural members shall be carried out according to the same requirements of the quality grade of CPC2 welds of EN15085 standard.



2.wheel

The wheel adopts crane special wheel, the wheel is insulated, the wheel material ZG55, the overall quenching, the hardness HB320-380 of the wheel tread and the inner side of the wheel rim, the depth is 20mm, and the wheel is a single wheel rim; The bearing seat adopts one wheel and two bearing seats. The bearing seat adopts QT400-10 nodular cast iron. After the wheel is assembled, it can rotate flexibly.



3. Buffer Device

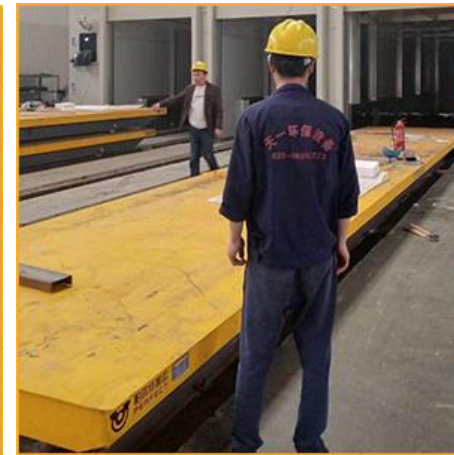
Buffer device The transfer cart is equipped with buffers to protect the cart body and avoid collision with hard objects (walls or other equipment). Two kinds of bumpers can be selected, one is a simple spring bumper mounted on the cart body, and the other is welded directly to the cart body during production.

4. Side plate

The periphery of the cart body is assembled by beautifying and weaving boards, the baffle plates are added, the safety factor is greatly increased, and other things are prevented from entering under the cart body or people feet are prevented from entering into the cart body, in addition, the beauty of the cart body is increased, and workers do not feel agitated when using the cart body.



Successful Case



Our Service

Before-sale



1

10 days
delivery

2

Free-offer
Project

3

Flexible
Payment

4

Free
Reception

After-sale



1

Low
Failure
Rate

2

Remote
Instruction

3

Free Part
Replacement

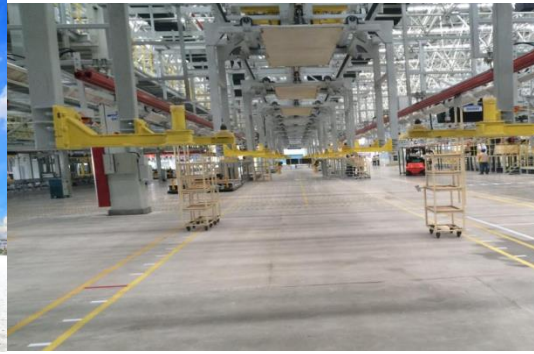
4

2 years'
Warranty

Application



Port transportation



workshop



Machinery manufacturing



steel mill

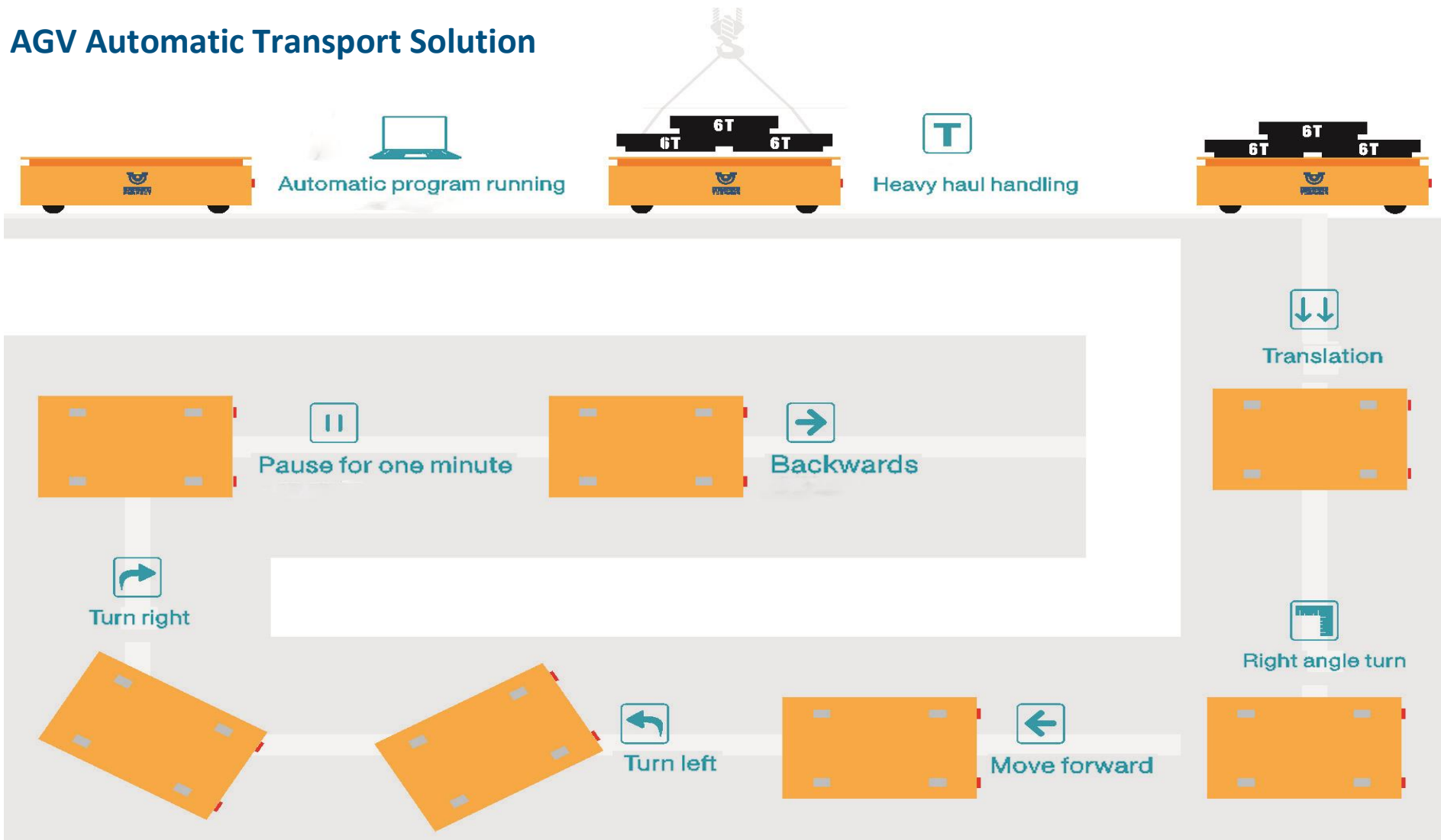


Factory

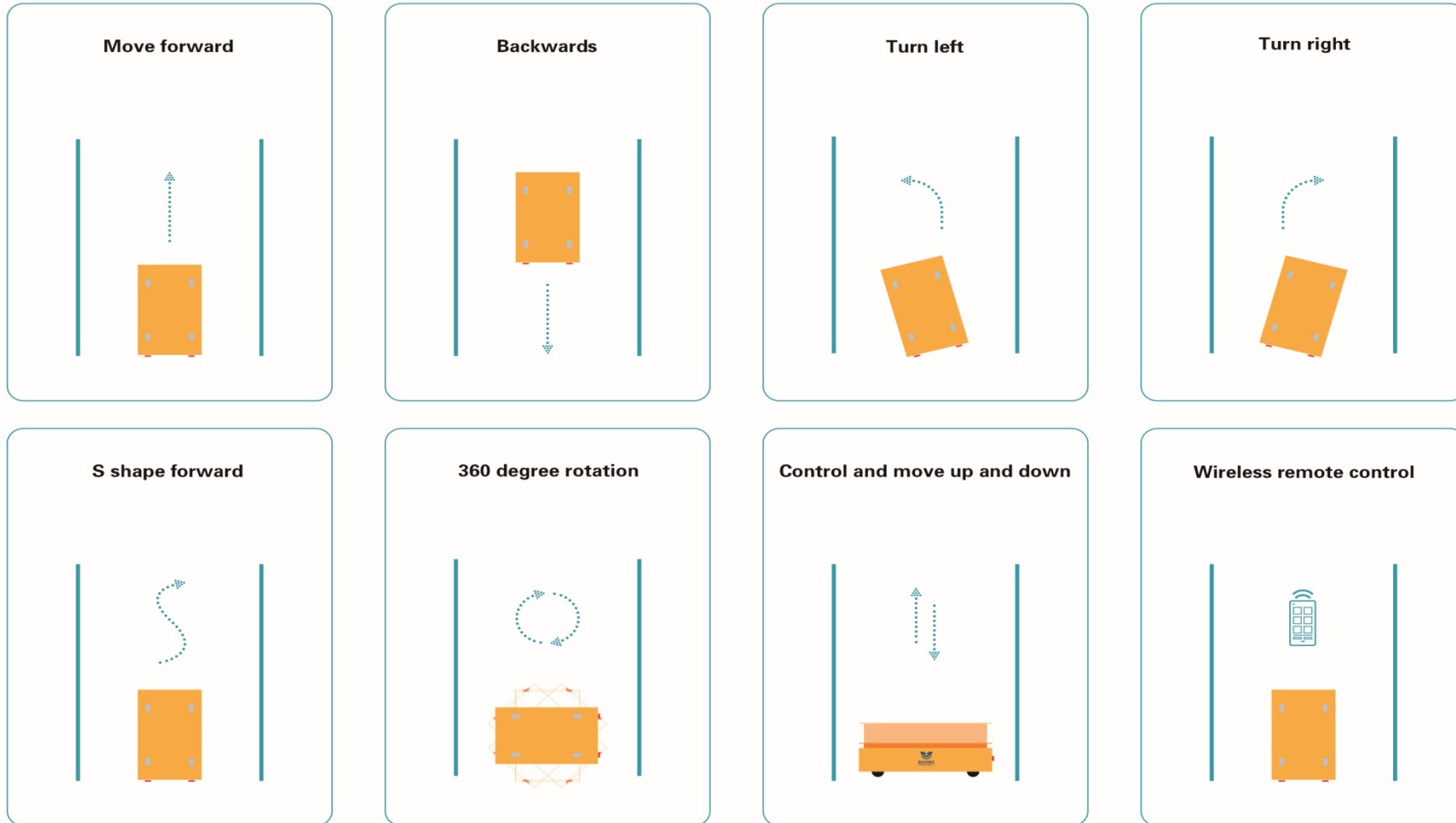
Product

BWT	Industrial Trailer	Tractors, Rickshaws
BP	Manual Rail Cart	Cart ferry, Climbing cart, Lift cart
BWP	Trackless Transfer Cart	Coil cart, Turntable cart, Automation
BDG	Rail Powered Transfer Cart	Loading cart of uncoiler, Roller support cart
BXC	Battery Powered Rail Cart	Three-storey cart, Side rollover, turning cart, Split cart
BTL	Trailing Cable Powered Transfer Cart	Traversing cart, Billet cart, Manual transfer cart, Ultra-low cart
BJT	Cable Drum Powered Transfer Cart	Cross rail cart, Contactless power supply cart, Die Mold Cart
BGJ	Rail Flaw Detection Vehicle	
AGV/RGV	Automated Transfer Vehicle	
BZP	Industrial Turntable	

AGV Automatic Transport Solution



Trackless Transport Solution



Functional Customization

01 Frequency conversion startup

02 Explosion-proof occasion

09 WIFI wireless communication

11 Anti rollover

13 Climbing

03 Lifting function

10 Load-bearing function

12 Automatic balance

04 Rollover function

07 Mesa precision

14 Track turning

17 Ultra low table

19 Rocker wireless remote controller

05 Fixed-point stop

08 Scanning radar

15 Aisle fork

18 Roller support

20 Waterproof treatment

06 Positioning accuracy

16 Roller support

21 Traverse unit

Company Introduce



Henan Perfect Handling Equipment Co., Ltd. is a professional international handling equipment company integrating research and development, design, production and sales. The company has more than 150 employees, 10 senior engineers, 15 engineers and 25 technicians, accounting for more than 80% of the employees with postgraduate and college degrees. The company's products are mainly divided into nine series, including (BDG low voltage rail powered transfer cart, BJT cable drum powered transfer cart, BHX sliding powered transfer cart, BXC battery powered transfer cart, BTL trailing cable powered transfer cart, BP manual transfer cart, BQY truck tractor, BWP trackless transfer cart, customized cart etc.) The company has passed ISO9001 quality system, CE, SASO and SGS certification, and its products have won eight national patents for electric flat carts. Standardized design and production of products.

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