



XWD

XINGYE MACHINERY

Product Catalogue



STRICT SERIOUS DELICATE PERFECT



Underground Diesel Loader
Underground Electric Loader
Low Profile Loader
Low Profile Mining Truck
Underground Mining Truck



Rock Breaker
Vibratory Pick scaler
Utility Vehicle
Underground Personal Carrier



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YANTAI XINGYE MACHINERY CO.,LTD

Yantai Xingye Machinery Co., Ltd was founded in 1997, located in Yantai city, Shandong Province, China. Yantai Xingye Machinery currently has more than 350 employees, covering an area of 135,000 square meters with a registered capital of USD 15,500,000.00. We have our own Technology & Research Center, complete production capacity and fast after-sale service system. We are professional in the field of researching, designing, manufacturing and marketing of trackless mining equipment. Yantai Xingye Machinery Co., Ltd has right of handling export and import business.

The underground trackless equipment has decisive significance to the Modernization, Mechanized Production and Safety Production of the Mine Enterprises. After years of research and development, our products have reached international advanced level from design ideas to the quality as well as after-sale service. Till now, our company has successfully launched a series of trackless mining equipments such as Underground Drill Machines, Underground Mining Loader, Dump Truck, Utility Machine and Special Machine, and also, we can design and produce according to customers demand. Our mining trackless equipments have already passed the test of the National Inspection Center, and all the specifications have reached or surpassed the national standard, and also obtained the National Mining Safety Certificate and ISO9001 Quality Management System Certificate. Now, our company has been the largest production and innovation base of underground trackless mining equipments in China, and already set up Enterprise Technology Center, and obtained several national patents. We has obtained the title of High-Tech Enterprise of Shandong Province.

Yantai Xingye Machinery have established several overseas and domestic offices with professional after-sale service teams, providing the best service to our customers. We shall continue to improve our global service network to cover and support the customers worldwide.

Our products are used in hundreds of mine sites in South Africa, Chile, Peru, Bolivia, Australia, Russia, Canada, Mongolia, Nepal and Fiji, The reliable quality and high performance of our products have successfully helped the mine companies to save the costs and improve the superior productivity, which has helped our equipments to win a good brand in the international market . With the outstanding reputation, we are the leader of this filed in China.

With the development of times, Yantai Xingye Machinery is also developing; regarding the changing market need, We will never satisfy with the current situation, and will persist to the enterprise spirit of Pursuing Development and Innovation. With the potential of the mining industry and advanced research and production ability, Xingye is committed to produce the best trackless mining equipment, and make Yantai Xingye Machinery the leader in the Trackless Mining Equipment Manufacturing Industry.

It is highly appreciated that Yantai Xingye Machinery becomes one of your choices!



The LHD and other Trackless mining Equipments have already passed the test of the National Inspection Center, and all the specifications have reached or surpassed the national standard, and also obtained the National Mining Safety Certificate and ISO9001 Quality Management System Certificate. The president of our company-Mr. Sui Ziqing, as a member of National Mining Machinery Standardization Committee, has already participated in making the National Standard for many times.

In order to ensure the Advancement and Stability of our product, Yantai Xingye Machinery adopts complete production process and advanced processing equipment to ensure the control of every step of the production. We have Machining Workshop, Welding Workshop, Parts Assembling Workshop and Equipment Assembling Workshop, possessing Large Tempering Furnace, Shot-Blasting Equipment, Punching Machine, Spray-Booth and professional testing area, which can do the operations of cutting, shaping, welding, shot-blasting, painting, etc. And also, we have established complete Quality Management System, and supervised the quality of every process to ensure the stability and reliability of the product quality.



2000T Press Machine

Annealing Furnace

Shot-blasting Machine

The frame is the core part of underground trackless mining equipments, and is related to the machine quality directly. To ensure the frame quality, our company adopts the Q460C Alloy Plate which has a very good Mechanical Property. After cut according to program, it is welded according to standard welding technique. Then it is put into Tempering Furnace for the tempering treatment at the temperature of 600°C for 24 hours. After removal of surface oxidation by shot blasting, the frames will be painted primarily for antirust. With the whole process flow, the frames of our equipments never have the problems such as deformation or crack, which can ensure the long work life of our equipments.

About the spare parts of our machine, We chooses the advanced product of world famous enterprises. Engine is purchased from German Deutz and Benz. Platinum and Dry type Exhaust Purifier Silencer is purchased from Canada. Transmission System adopts DANA Brand Torque Converter and Power Shift Transmission, DANA or Kessler Brand Axle, Parker Brand Pump, Valve, etc, and the electric system adopts products from the famous brands such as Schneider, Siemens, etc.



Underground Diesel Loader

The Underground Diesel Loader is designed for working in underground environment, which is one machine with short body, central articulation and front loading, combining loading, transportation and unloading together. It can be used for transport ore and slag, pour ore to lower chute, also can transfer mining to higher truck or transporter and transport equipment, auxiliary materials, road paving with buckets. It can also be widely used in railway and highway tunnel building projects.

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Main Technical Features:

- ✘ Deutz, Cummins, Mercedes Benz original engine.
- ✘ POSI-Torque differential.
- ✘ Dana Torque Converter & Transmission.
- ✘ Dana, Kessler Axles.
- ✘ Four-wheel-drive articulated chassis.
- ✘ Danfoss Hydrostatic transmission for linear speed(XYWJ-0.6/1).
- ✘ Catalytic purifier & silencer, EPA Tier 3/EU Stage III emission standard
- ✘ Pilot-operated with joystick control .
- ✘ Highest rate of productivity.

- ✘ Compact and flexible for narrow vein mining.
- ✘ SAHR services/emergency/parking brakes.
- ✘ Comfortable ergonomics compartment.
- ✘ Reliability & serviceability for enhancing productivity.



XYWJ-0.6

Optional:

- ✘ Remote/manual control.
- ✘ Lincoln automatic central lubrication.
- ✘ Ansul Fire Suppression system.
- ✘ Fully enclosed cabin with air conditioner.
- ✘ ROPS/FOPS approved Canopy ROPS/FOPS.
- ✘ Side Tipping bucket.



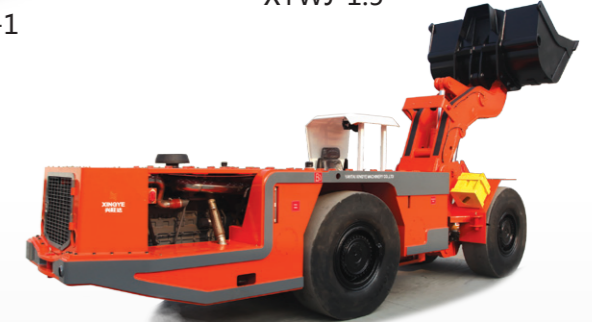
XYWJ-1



XYWJ-1.5



XYWJ-2.3



XYWJ-3



XYWJ-2



XYWJ-4



XYWJ-6

Technical Specifications:

Type	XYWJ-0.6	XYWJ-1	XYWJ-1.5	XYWJ-2	XYWJ-2.3	XYWJ-3	XYWJ-4	XYWJ-6
Load capacity[t]	1.2	2.0	3.5	4.0	4.6	6.0	10.0	14.0
Engine power[kW]	47.5	66	115	115	115	160	223	260
Bucket capacities[m³]	0.6	1	1.5	2	2.3	3	4	6
Max.Shovel Force[kN]	32	48	70	81	81	103	210	220
Max.Traction[kN]	35	56	85	104	104	155	232	276
Length[mm]	5040	6030	7010	6830	7780	9200	9800	10600
Width[mm]	1150	1340	1760	1770	2130	2174	2500	2750
Height[mm]	1990	2000	2080	2050	2000	2320	2500	2558
Weight[kg]	4400	7200	11400	13600	14000	18900	28900	36000



XYWJ-3

XYUK-30

Underground Electric Loader

With requirement of environmental protection, the Loaders emission is required lower and lower. Our zero-emission underground electric Loaders reduce the need for ventilation, and improve underground working conditions. They will create a cleaner, safer and quieter environment in your mine.

The voltage of Electrical Loaders is from 380V-1140V and it is equipped with electric leakage protection system, ensuring the operation safety. Cable auto-wrap system enables the cable tension in appropriate range, and improves the life of cable. The long-cable design can expand the working scope of Loaders. The lock bar of central hinge enables Loaders safer and more reliable.

Main Technical Features:

- ✘ Optimized electric motor, ground fault system.
- ✘ POSI-Torque differential.
- ✘ Four-wheel-drive articulated chassis.
- ✘ Random wrap cable reel with automatic tensioning.
- ✘ Pilot-operated with joystick control.
- ✘ Highest rate of productivity.
- ✘ Compact and flexible for narrow vein mining.
- ✘ zero-emission and less noise improve the environmental and economic benefits.
- ✘ Dana Torque Converter & Transmission.
- ✘ Dana, Kessler Axles.
- ✘ SAHR services/emergency/parking brakes.
- ✘ Comfortable ergonomics compartment.
- ✘ Reliability & serviceability for enhancing productivity.

Technical Specifications:

Type	XYWJD-0.6	XYWJD-1	XYWJD-1.5	XYWJD-2	XYWJD-2.3	XYWJD-3	XYWJD-4	XYWJD-6
Load capacity[t]	1.2	2.0	3.0	4.0	4.6	6.0	10.0	14.0
Electromotor power [kW]	30	45	55	75	75	90	132	160
Bucket capacities[m ³]	0.6	1	1.5	2	2.3	3	4	6
Max.Shovel Force[kN]	32	45	70	81	81	103	210	220
Max.Traction[kN]	35	52	85	102	102	128	232	276
Length[mm]	4950	6090	6830	7330	8500	9150	9780	11000
Width[mm]	1150	1340	1760	1770	1880	2174	2500	2750
Height[mm]	1990	2000	2080	2050	2100	2300	2500	2558
Weight[kg]	4800	7200	11600	13300	15000	17600	28200	35500



XYWJD-0.6



XYWJD-1



XYWJD-1.5



XYWJD-2



XYWJD-3



XYWJD-6

Optional:

- ✘ Lincoln automatic central lubrication.
- ✘ Fully enclosed cabin with air conditioner.
- ✘ Side Tipping bucket.



XYWJD-4

Low Profile Loader

Low Profile Mining Truck

<http://www.ytxingye.com>



Main Technical Features:

- ✘ Our XYDC series is a low-profile Loader designed to perform in mining operations with limited heights.
- ✘ Low-profile design enables operation in mine sections with headroom as low as 1.7 meters.
- ✘ Small envelope size and turning radius enable easy navigation in confined spaces.
- ✘ The equipment is designed with big height of offloaded and can meet the general needs of the truck unloading.
- ✘ Ergonomics compartment provides the maximum comfortable operation and visible range with the low profile.
- ✘ Low-profile Loaders are equipped with DEUTZ, CUMMINS, Mercedes Benz original engine, DANA Torque Converter & Transmission, Kessler's Axle.

Optional:

- ✘ Reversing video system.
- ✘ Enclosed apartment with air conditioner.
- ✘ Centralized fire extinguishing system.
- ✘ Centralized lubrication system.
- ✘ Rotating warning device.



XYDC-5

Technical Specifications:

Type	XYDC-5	XYDC-10
Load capacity[t]	5.0	10
Engine power[kW]	119.6	240
Bucket capacities[m³]	2.3	4.6
Max.Shovel Force[kN]	103	195
Max.Traction[kN]	138	224
Length[mm]	8760	9185
Width[mm]	2400	3200
Height[mm]	1630	1600
Weight[kg]	15000	27000

Main Technical Features:

- ✘ XYUKA-30 is a low-profile mining truck designed to perform in mining operations with limited heights. The height of XYUKA-30 is less than 2 meters.
- ✘ Small envelope size and turning radius enable easy navigation in confined spaces.
- ✘ Four-wheel drive, strengthens carrying power and perfect carriage design improves loading capacity.
- ✘ Ergonomics compartment, APC centralized-control system and reverse camera system provide the maximum comfortable driving, easy operation and visible range.
- ✘ Box-section design optimizes the shape and improves durability and reliability.
- ✘ Low-profile mining truck is equipped with Mercedes Benz engine, DANA gearbox, DANA torque converter and Kessler axle.
- ✘ The engine brake and converter lockup function can help mine to improve the safety and reduce the fuel consumption.

Optional:

- ✘ Centralized lubrication system.
- ✘ Enclosed apartment with air conditioner.
- ✘ Fire suppression system.
- ✘ Box volume customized as requirement.

Technical Specifications:

Type	XYUKA-30
Load capacity [t]	30.0
Engine power [kW]	315
Box volume [m³]	15
Max. Tractive force [kN]	320
Length [mm]	10086
Width [mm]	3500
Height [mm]	2000
Weight [kg]	30500



XYUKA-30



XYDC-10



Underground Mining Truck

Main Technical Features:

- ※ UK series truck is designed to transport the ore safely, productively and profitably in extreme conditions and confined spaces. Our underground trucks are small turning radius, high efficient payload, four-wheel drive and powerful.
- ※ Central articulated steering, small turning radius.
- ※ Oscillation by slewing bearing amounted front and rear frames enable the four wheels driving at any time in the rugged rock road.
- ※ The bodies are made of high strength alloy steel plate, the chassis strength increased by 33%.
- ※ The engine brake and converter lockup function (optional) can help mine to improve the safety and reduce the fuel consumption.
- ※ DEUTZ,CUMMINS, Mercedes Benz original engine.
- ※ Dana Torque Converter & Transmission.
- ※ Dana,Kessler Axles.
- ※ Pilot-operated with joystick control.
- ※ Electric Shift / Hydraulic control shift
- ※ Compact enables operation in restricted spaces.
- ※ High payload-to-weight ratio maximizes metric tons transported.



XYUK-30

Optional:

- ※ Ejector mechanism allows rocks to be dumped on going.

Technical Specifications:

Type	XYUK-5	XYUK-8	XYUK-10	XYUK-12	XYUK-15	XYUK-20	XYUK-30
Load capacity[t]	5.0	8.0	10.0	12.0	15.0	20.0	30.0
Engine power[kW]	66	120	120	120	165	240	315
Carriage Volume [m³]	2.5	4	5	6	7.5	10	15
Max. Traction[kN]	60	128	128	128	167	246	320
Length[mm]	5740	7767	7800	8000	8300	9010	10135
Width[mm]	1400	1813	1786	1960	2000	2280	2800
Height[mm]	2000	2350	2350	2360	2400	2450	2580
Weight[kg]	7200	12000	12400	12800	15600	19600	29500



XYUK-5



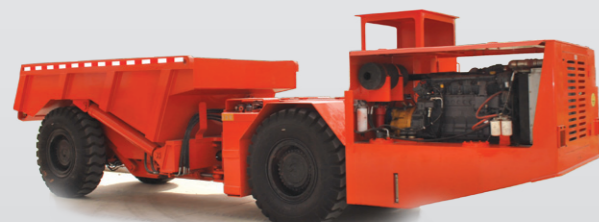
XYUK-8



XYUK-10



XYUK-12



XYUK-15



XYUK-20



XYUK-30

Rock Breaker / Vibratory Pick scaler

The rock breaker is designed for big rock breaking. Compare the fixed breaker, it's flexible and wide operating scale which is suitable to operate in underground mining, surface mine, quarry and tunnel project, especially for the low and narrow condition.

Vibratory pick scaler is suitable for scaling loose rock of underground mine and tunnel. The folding booms and hydraulic hammer are driven by hydraulic cylinder, providing optimum boom reach and coverage to fit the actual dimensions of the underground space. The hydraulic system is controlled by proportional piloted valve, which is easy to operate and has a steady motion. The features of compact structure, flexible, and small turning radius can improve the scaling operation and safe production.



XYQMS-200



XYSJ-400



XYSJ-500



XYQM-045

Optional:

- ✘ Centralized fire extinguishing system.
- ✘ Centralized lubrication system.
- ✘ Rotating warning device.
- ✘ Hydraulic Hammer: Atlas copco, Soosan, Hi-tech.

Technical Specifications:

Type	XYQM-200	XYQMS-200	XYQM-045	XYSJ-400	XYSJ-500
Engine power[kW]	63	47.5	58	47.5	63
Dimensions[km/h]	0-19.4	0-10	0-23.6	0-10	0-19.4
Length[mm]	8968	7485	7066	6945	8600
Width[mm]	2050	1570	1800	1570	2050
Height[mm]	2553	1940	2500	2705	2553
Weight[kg]	15100	9200	12000	8800	15100

Utility Vehicle

The utility vehicle includes Oil Tank Vehicle, Maintenance Vehicle, Mining Lift Platform and Concrete Mixer.

The utility vehicle is designed for transportation, lifting and installations, and maintenance service in underground mine and low-profile tunnel. It is optimized for underground service needs.

Main Technical Features:

- ✘ Ergonomic compartment design to protect operating comfort and safety.
- ✘ The advanced digital visual surveillance & detecting systems is easy to overhaul, and can save the maintenance time.
- ✘ The brake system is the type of spring applied, hydraulically released, with full enclosed multiple wet discs.
- ✘ The rear frame oscillation enables the best of four-wheel drive.
- ✘ The configuration of integrated converter and transmission powertrain simplifies the machine profile.
- ✘ Equipped with DEUTZ engine, DANA transmission, torque converter and axle.

Optional:

- ✘ Centralized lubrication system.

Technical Specifications:

Type	XYJY-5(Oil Tank Vehicle)	XYJY-5(Maintenance Vehicle)
Engine power[kW]	63	63
Oil Tank Volume[L]	3100	----
Dimensions[km/h]	0-23.6	0-23.6
Length[mm]	7220	7210
Width[mm]	1860	1860
Height[mm]	2000	2460
Weight[kg]	7800	7700



XYJY-5(Oil Tank Vehicle)

Underground Personnel Carrier

<http://www.ytxingye.com>



The underground personnel carrier is designed for mine operators' shuttle in underground environment, which can reduce the work intensity and times to improve the productivity, especially ensure the operator's health and safety. The trend to use carrier underground is necessary to underground mining. Our 6-29 passengers carrier is compact, flexible operating, small turning radius, good gradeability and low pollution, which can shuttle between the underground operating site and surface base.

Main Technical Features:

- ✘ The advanced digital visual surveillance & detecting systems is easy to overhaul, and can save the maintenance time.
- ✘ Equipped with DEUTZ engine, DANA transmission, torque converter and axle.
- ✘ Four-wheel drive is good for stability and security.
- ✘ Enclosed multiple-disc brake is applied at each wheel end as parking system: spring braking and hydraulic releasing.

Optional:

- ✘ Centralized lubrication system.



XYRU-29

Technical Specifications:

Type	XYRU-6	XYRU-13	XYRU-25	XYRU-29
Carriage Capacity	6	13	25	29
Engine power[kW]	66	70	223	84
Dimensions[km/h]	0-18.4	0-23.6	0-32	0.26.3
Length[mm]	6260	7220	8620	8940
Width[mm]	1430	1860	2200	2400
Height[mm]	2200	2410	2940	2550
Weight[kg]	8100	8060	11800	12000

Our company has established several service offices in overseas markets, and has perfect after-sale service network in domestic markets. We will continue to develop the global service network, to provide the best support for our customers.



Service concept:

Yantai Xingye Machinery takes the idea of "Strict and Serious, Delicate and Perfect" as our supreme aim. We always insist on the concept of "personal, intimate, life cycle, the whole value chain". And we continue to provide Worry-Free Service in product's Life Cycle. Efficient is value, so we will provide fast, convenient and efficient service and make much more profit for customers. Xingye's after-sale service team- a high level of service engineers- always ready to help you.

Customer satisfaction is our starting point, and we cherish every opportunity to service our customers. We deeply understand that customer is the basis of our survival and development. From the day we begin to serve you, we have been pursuing a professional, high quality and sincere service to grasp the opportunity to win customer's satisfaction.

After-sale system:

Service slogan: Endless service and forever sincerity.

Targets: Let customers feel always meticulous service from Xingye Machinery.

※ Commitment:

- 1、 For general requirements from customers, we will reply within 8 hours;
- 2、 within two hundred kilometers of the province and the surrounding areas 12 hours in place, the other provinces (cities, districts) in place 24 hours, 48 hours in place in remote areas (traffic inconvenience, no cell phone signal area except);
- 3、 within a quarter of an hour to answer user consultation; complete dispatching tasks within one hour; troubleshooting a major fault (except for assembly replacement) by one working day; usual repair within 24 hours;
- 4、 In regards to warranty parts, Xingye Machinery will reply within 12 hours after receiving customers' application, make the delivery within 24 hours, and choose the best and fastest transport.

Customer training:

we will provides technical training for customers. In regards to the customer purchased equipments, we plan our training documents in detail and systematically. And we have successfully trained a group of excellent professional engineers for our customers.

After our training, the engineers from customers will get better knowledge about the products and they can provide more professional technical support to usual repair and maintenance of equipments.

※ Main contents of the training:

- 1、 The user get a general knowledge of the basic structure and working principle of our products.
- 2、 Master the knowledge of using, daily maintenance and repair and so on.
- 3、 Have a better knowledge of machine maintenance intervals, commission and so on.
- 4、 Learn how to make faulty judgment and how to resolve the problem etc.

