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ASEE ER Brand-new SuperMetal products occurs when the innovation meets the right technique.

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CHINESE ZODIAC



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Long time ago, some mysterious force turned all 12 Chinese zodiac animals into 12 mechanical beasts boasting specific functions and superior performances on the planet of Aseeder in Galaxy.....

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Delicacy Agility Curiosity to explore the infinity

The small and agile rat can penetrate into the narrow rock crevices below the Earth's surface due to its nuclear-powered propeller. Through resonant frequency, the acoustic wave resonator residing in the head can destroy and loosen the ground surface for excavating. With loading different drilling equipments to the forelegs, the tasks such as excavation, exploration and sampling under complex mining conditions - can be fulfilled. If facing complex terrain and rock formation, exploration work continues via the numberless mechanical rat terminals under the control of intelligent network cluster.







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01 Non-standard series

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Stability Giant Comprehension and strength

The large-scale retractable counterweight platform on its back and the aircraft lift platform on its tail are suitable for maritime automatic adjustment. The combination of internal complicated mechanical structures and the high-hardness flexible materials adopted on corestal body surface makes it suitable for different environments, thus all emine chemical engineering, transportation and other functions are integrated together. Ox can be treated as a mobile base in the vast ocean, the revolves around the planet once a month to communicate and process signals from different regions.

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A lonely and dominant king of the jungle. The turrets of the heavy tank "Tiger King" are its chest and spine, its protrudent tongue is replaced with an 88-mm laser gun and the saberteeth is equipped with alloy chain saw. Such design highlights the aggressiveness and the robust tiger body can also resist any attack from the meteorites.

> Power Alertness Accuracy and absolute defense





03 Valve stem head & valve seat series

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Agility Tactfulness and exploration

Agility, tactfulness and high viability. The specific anti-gravity system and propulsion system greatly enhance its adaptability and expand its survival regions. By using intelligent network (i.e. complex radar arrays and cooperating with mechanical rats, it has an amphibious and eagle, it overlo huge planet.

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Polymer Intelligence High efficiency and anti-gravity propulsion

Every segment of its body can rotate independently, and it can maintain vertical and horizontal status with reference to the ground at any moment. Two anti-gravity propellers residing in each segmental carriage, together with the buoyancy stabilizer, drive the body forward underwater or among oceanic ranges of any form. The body is corrosion-resistant to seawater. Once the underwater destination coordinate is set, the powerful processing system in the head accurately analyzes the landform, independently calculates the nearestrocke and gets there in no time. This whole process is not affected by the hich water pressure.

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A spacious and comfortable passenger carriage inside its strong, round and zigzag body. Each nuclear powered carriage has its own hidden anti-gravity device, which suspends the body and makes it steadily float over the ground. Such configuration offers a smooth ride and stays out of the ground transportation traffic. The multi-carriage design enables the mechanical snake to gallop on all the landforms, such as sea, mountain, jungle, river and others.



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NUCLEAR ENERGY AND NUCLEAR INDUSTRY





Each mechanical horse has a hydropower plant. The wings on its back are covered with valves. The fully-outstretched wing is a complete dam, blocking the water at high attitude. The mechanical horse can turn hydraulic energy into electrical energy, so it can also be called a movable hydropower station.

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Precision Convenience and beyond imagination



07 Valve stem series



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Excellent cross-country performance Enduring and solid in harsh conditions

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ENGINEERING EQUIPMENT MANUFACTURING INDUSTRY



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08 Assembly series

Possessing all essential features of a monkey, such as the rapid and intelligent central processing system, sharp senses, the acute detection and analyzing system, the nimble and robust motion system. Numerous intelligentized manipulators are assembled into its arms, which makes it especially suitable for examining and repairing valves in complex landforms and environments.



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PUMP VALVE INDUSTRY

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9 PDC bearing series

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Luxury Smoothness Exclusiveness and dignity







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The mechanical dog's smelling exploration ability is realized by a large dome radar and multiple acute detection systems suspended along the two poles. The alloy wheels with independent suspension systems ensure a durable run for the mechanical dog. The body made of SuperMetal materials can survive any harsh environment.

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Im<mark>p</mark>act re<mark>sis</mark>tance Sp<mark>ee</mark>d and flexibility







11 SuperMetal PDC substrates and inserts

SUPERMETAL APPLICATION

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High efficiency Strength and insensitivity of temperature difference

> Tenacious viability, formidable foraging and digestive function, as well as the transformative ability to the surroundings. The malformed teeth on the tush, the bulldozer on the lower jaw, and a large agitator on the abdomen have contributed to pig's unique role in engineering excavation where extreme temperature clifference exists

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12 Assembly series



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Grades	Grain size µm	Density g/cm ³	TRS N/mm ²	Hardness HRA	Applications recommended
				≥90.2	
				≥89.7	Wear resistance partsin acidic corrosion condition with high requirements
				≥89.5	
				≥91.7	Conventional wear resistance parts
				≥88.6	Wear resistance parts with strong impact
				≥87.0	Wear resistance parts with strong impact

Grades, composition and properties of Rods

Grades	Grain size µm	Cobalt content (wt-%)	Density g/cm ³	Hardness HRA	Hardness HV	TRS N/mm²	
							Suitable for machining composite materials such as aluminum- magnesium alloys, reinforced plastics, and carbon fiber, iron-based alloys, etc. It is recommended for making drills for machining aluminum-magnesium alloys.
FL10	0.8	10.0	14.42	92			Suitable for machining common steel cast iron stainless steel heat-resistant steel nickel based alloys and titanium alloys, etc.lt is recommended for making conventional tools, such as twist drills, end mills, screw tap, gun drills, etc.
FL12	0.4	12.0	14.05	92.5			Suitable for machining fitanium alloys,heat-resistant alloys,stainless steel,hardened steel,grey cast iron,glass fiber reinforced plastics, etc. It is recommended for making end milis and boll nose milis of various specifications with a hardness and strength than FL10
							Suitable for making soild dies and moulds and tools for punching operations





ASEE ER

Aseeder is a spin-off of Seed, which is an elevated transformation after numerous innovations. Seed has further enhanced the creation and break-through spirit to a new level, while Aseeder offers innovative solutions to meet the complex and severe mining challenges around the Globe. In the aspect of improving product performance and user demand, Seed has acquired the methodology of replacing the traditional techniques with brand-new materials and processing technologies. Seed introduces "supermetal" to interpret and redefine her products. Seed has never stopped and will never stop marching the road of exploring new materials and new technologies. If you dare to imagine, we take the challenges and bring you the excellent supermetal products, beyond your imagination. The cemented carbide hardmetal era will become more gorgeous because of Seed.

