

ATTITUDE MAKES  
REMARKABLE



Strive to become the global leader in the construction  
machinery equipment industry

**ANHUI ANRUI I-TECH ENGINEERING  
MACHINERY CO., LTD.**

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## INTRODUCTION |

Anhui Anrui I-tech Engineering Machinery Co.,Ltd. was established in 2017. The company has been awarded the certification of National High-tech Enterprise and Anhui Province Science and Technology Innovation Small and Medium-sized Enterprises, and has passed CE certification and ISO quality and environmental management system certification. It has more than 30 independent intellectual property rights. The company is located in Yushan Development Zone, Ma'anshan, Anhui Province, with more than 30 employees. It has a standardized factory building of 6,000 square meters. It is a new R&D and manufacturing enterprise currently engaged in construction machinery accessories and equipment, and a service-oriented enterprise engaged in hydraulic design and pipeline system optimization and maintenance.

Anrui's core management team is composed of professionals with more than 15 years of experience in R&D, production, sales and management. Anrui adheres to the principles of "seeking truth, pragmatism, ingenuity, and innovation". "New" concept, adheres to the corporate values of being market-oriented and maximizing the interests of the industry, partners and customers, and is committed to the healthy and orderly development of China's construction machinery aftermarket. It also provides mid-to-high-end construction machinery accessory tools to the world, and is authoritative Technical consulting, with the mission of opening up a new era of multi-functional construction machinery attachments. At the same time, it serves the design and maintenance of hydraulic systems for major domestic enterprises.

Anrui has won a good reputation in domestic and foreign markets with its meticulous and fast service, high-quality products and competitive prices. The company's products are sold nationwide as well as in Northern Europe, France, Portugal, the United States, Canada, Indonesia, Thailand and other regions.



## COMPANY CULTURE |

### Mission Vision

Committed to providing efficient and intelligent product solutions for the construction machinery industry, and striving to become a leader in the global construction machinery attachment industry

### Corporate Spirit

Seeking truth, pragmatism, ingenuity and innovation

### Sense of Worth

Maximize the interests of the industry, maximize the interests of partners, and maximize the interests of customers

### Corporate Training

Difficult things in the world must be done with ease, great things in the world must be done with details



# R&D STRENGTH |

## Design and Research Center

The company's design and R&D center has a R&D and innovation team composed of doctors, master's students, senior engineers, mechanics, etc., relying on their keen insight into the machinery market to conquer one key core technology after another.

## R&D Team



Robin: one of the first batch of people engaged in hydraulic industry in China. One of the leaders of the hammer attachment project, from Having been in the furniture industry for 25 years, he has a keen sense of market insight and innovation capabilities.



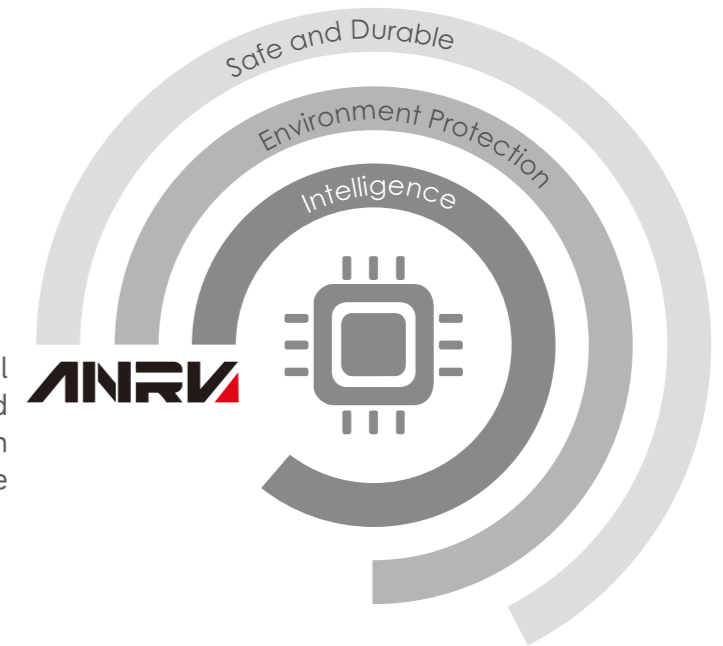
Qiu Dongfeng: has a graduate degree and has been specialized in hydraulic hammer design for more than ten years. He has worked for many hydraulic hammer manufacturers and has good attachment research and development capabilities



Shi Qiangliang: with a bachelor's degree, he has been engaged in the design of hydraulic machinery industry for more than ten years and has good attachment research and development capabilities.

## Future Research and Development

Anrui faces the world's technological frontier, focuses on the research and development of future trends in construction machinery, and is more adaptable to future market needs.



## Innovation Mechanism

R&D is market-oriented, with new technology pre-research and product incubation, efficient R&D innovation services, and stepped talent training and incentive mechanisms to maintain eternal vitality in R&D innovation.

## Patents and Qualifications

More than 30 invention patents and utility model patents  
National High-tech Enterprise, Anhui Province Science and Technology Innovation Small and Medium Enterprises Certification, Import and Export Qualification, ISO Quality and Environment Certification, CE Certification

# PATENTED INVENTION |

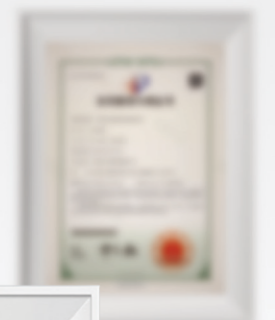
30 invention patents and utility model patents

# 30

- A new type of high-efficiency hydraulic hammer
- A piston stroke mainly relies on the hydraulic hammer convenience of a bladder accumulator to replenish oil.
- A pure hydraulic hammer intelligent shaft remover
- A new type of hydraulic hammer pavement that is easy to maintain
- A kind of crushing bell for aluminum electrolytic slag removal
- A hydraulic breaker structure
- A hydraulic hammer with multiple buffer structures
- An efficient and leak-proof quick plug-in hydraulic valve for hydraulic hammer
- A kind of cylinder for hydraulic hammer

- A new type of control valve joint mechanism for hydraulic hammers
- An intelligent hydraulic pile driver
- An automated hydraulic paving control valve
- A pile driver with high operational safety
- A new type of self-propelled pile driver
- A hydraulic hammer that improves the piston rod reversing time
- A piling device used for highway guardrail installation
- An anti-deviation pile driver with a safety maintenance structure
- An energy-saving hydraulic hammer and an adjustable strength pile driver

Innovation Never Stops





Scientific and  
Innovative Enterprises

SCIENTIFIC AND  
TECHNOLOGICAL  
ACHIEVEMENTS

The Hard Power of Anrui Innovation



# HONORS AND QUALIFICATIONS |

Believe in the power of the brand,  
We are the founder of high standards in the industry

The company has obtained national high-tech enterprise, Anhui Provincial Science and Technology Innovation Small and Medium Enterprises certification, import and export qualifications, ISO quality environment, and CE certification. Won the honorary title of "Top 10 Special Attachments among the Top 50 Global High-Quality Suppliers of Engineering Machinery Parts" at the 12th Brand Event of CMIIC2021. In 2020, it was selected as a member unit of China Construction Machinery Industry Association.



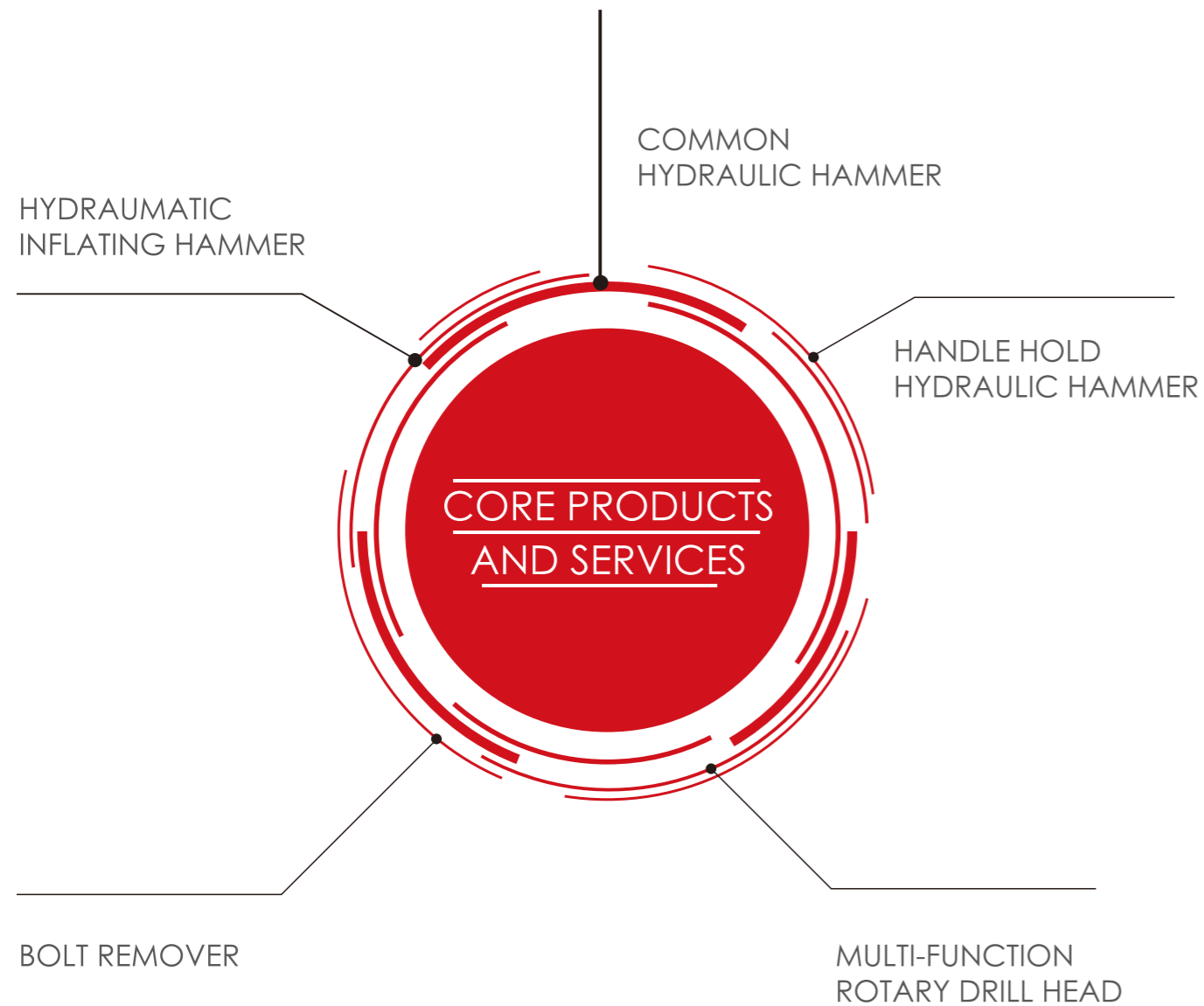
# SALES NETWORK |

 ANRUI General Headquarters  Countries Sold



Anrui has won a good reputation in domestic and foreign markets with its meticulous and fast service, high-quality products and competitive prices. The company's products are sold nationwide as well as in the United Kingdom, Norway, Finland, and Malaysia. Asia and Indonesia.

## CORE PRODUCTS AND SERVICES I



## QUALITY ADVANTAGES I

- failure rate  
Strive to be lower than  
**1/300**
- Put an end to random inspections  
Full inspection rate  
**100%**
- It is better to lack than to overdo  
Supplier spare parts Quality rate  
**100%**
- Within the three guarantee period  
A core failure occurred  
**Just replace but not repair**

- Strengthen the construction of service teams and differentiate from traditional service concepts and standardized service procedures
- Shorten service distance and time self-sufficient services in core niche markets, simplify claim process and procedures





# HYDRAUMATIC INFLATING HAMMER

A hydraulic inflating hammer that can work without compressing the rod. Combining the technical advantages of existing domestic nitrogen hydraulic hammers and European pure hydraulic hammers, an intelligent hydraulic hammer was developed that has the **high impact force** and the performance of pure hydraulic hammers. The characteristics of **dry drilling, fast frequency, high efficiency, and wide application scenarios** have solved the previous inertia thinking that hydraulic hammers only need to press the drill rod to work if they have an inflated nitrogen chamber. They also fill the technical gaps in this field at home and abroad.

ANHUI'S INVENTION TO IMPROVE THE DEMOLITION EQUIPMENT MARKET PATENTED INVENTION INDEPENDENT INTELLECTUAL PROPERTY ADPOT ADVANTAGES FROM PURE HYDRAULIC HAMMER AND N2 HYDRAULIC HAMMER



15-50%

INCREASED EFFICIENCY



## ANALYSIS OF THE ADVANTAGES AND DISADVANTAGES OF HYDRAUMATIC INFLATING HAMMER AND TRADITIONAL HAMMER

### PURE HYDRAULIC HAMMER ★★★

#### Superiority

The built-in reversing valve has sensitive response and fast frequency; it has high working efficiency in soft working conditions, and the activity output is 15%-50% higher than that of the same type of nitrogen-liquid combined hammer;

Unique air-playing structure; integrated design, minimizing noise, small size and light weight.

#### Shortcoming

The impact is not strong enough, especially on chewing blocks. Maintenance is inconvenient, and the parts procurement cycle is long; the price is expensive, 3 to 5 times the price of the same model in China.

### NITROGENHYDRAULIC HAMMER ★

#### Superiority

Strong impact; low price, relatively economical; large market retention.

#### Shortcoming

The quality is uneven and the stability is poor compared to foreign countries; it is mostly used in mining in the mining industry and cannot be used in some specific working conditions;

### HYDRAUMATIC INFLATING HAMMER ★★★★★

#### Superiority

The product combines the advantages of pure hydraulic hammers with no need for compression and high frequency, as well as the high impact force of liquid nitrogen combined hydraulic hammers. Suitable for various application scenarios, especially in secondary crushing in mines, the efficiency can be increased by 50%; in the fields of tunnels and demolition, because there is no need for compaction and the feature of working at the touch of a button reduces the driver's need to accurately find the point, which can greatly improve the operation efficiency

### 01 HIGH EFFICIENCY

The work efficiency increased 15-50% than normal hydraulic hammer

### 02 NEW INVENTION

Empty hitting, the hammer is no need to give pressure on objects, easy work for driver who do not need to find a spot

### 03 NEW MATERIAL

Customized material to extended service life. Nice and durable.

### 04 MODERN TECHNOLOGY

Circular sharp design, cryogenic treatment, optimized hydraulic system.

### 05 LOWER INVESTMENT

Lower excavator costs due to increased efficiency.

### 06 HIGH FREQUENCY

Unique cylinder design, built-in directional valve for quick response.

### 07 WIDE RANGE OF APPLICATIONS

Suitable for special working conditions in the construction demolition industry, tunnel excavation, furnace and kiln refractory brick removal, metallurgical industry, etc.

### 08 LOW FAILURE RATE

30% reduction in

# HYDRAUMATIC INFLATING HAMMER

## Top Type

Special type for metallurgical steel plants, using unique heat insulation technology to greatly improve work efficiency and increase product service life.

## Box Type

Environmentally friendly special type, the shell is fully enclosed and equipped with shock-absorbing pads to effectively reduce noise pollution.

## Side Type

Special type for demolition, a cover plate of wear-resistant material is added in front of the shell to reduce scratches caused by steel bars, etc.; a sawtooth plate is designed below to break the reinforced concrete to facilitate the removal of steel bars.

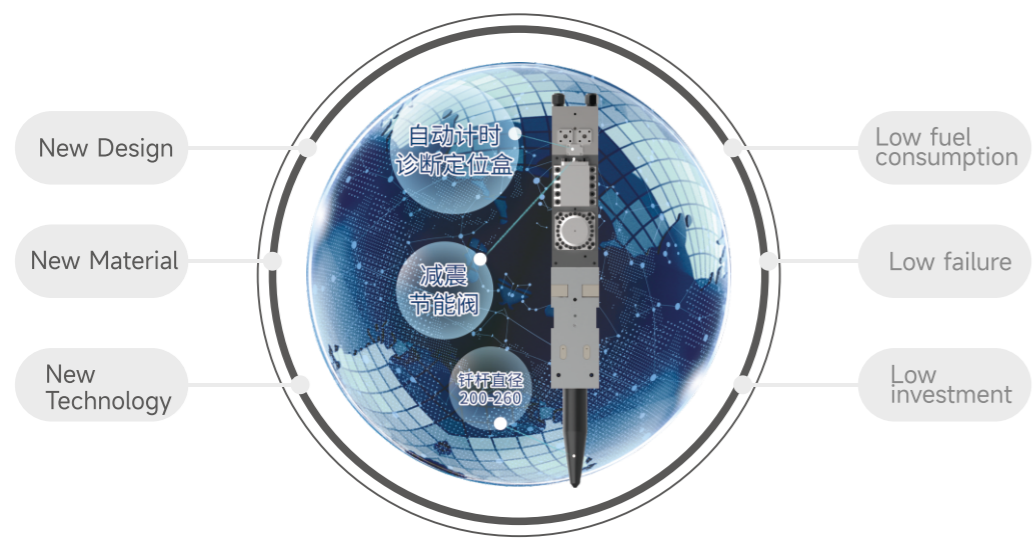


Model	Unit	AR02F	AR05F	AR07F	AR12F	AR15F	AR20F	AR30F	AR40F
Tool Diameter	mm	40(35)	53(55)	70(65)	85(90)	100	127	140(145)	170
Side Type Weight	Kg	75	150	264	483	774	1039	1920	2728
Top Type Weight	Kg	80	162	264	492	764	1110	2100	2750
Box Type Weight	Kg	95	169	324	565	875	1100	2000	2880
Required Oil Flow	L/min	15-30	25-50	40-70	60-100	80-110	110-135	120-180	200-260
Operating Pressure	Bar	90-120	90-120	110-140	130-160	150-170	150-180	160-180	200-230
Impact Rate	Bpm	900-1500	700-1200	600-1000	500-900	500-850	350-650	400-600	250-400
Impact Energy	J	140	500	655	1500	2300	3000	4400	9500
Suitable Excavator	Ton	0.8-2.5	2.5-4.5	4-7	7-14	11-16	15-20	18-26	30-45



# HYDRAULIC HAMMER |

## CORE PRODUCTS



INTELLIGENT  
HYDRAULIC  
HAMMER

### Product Features



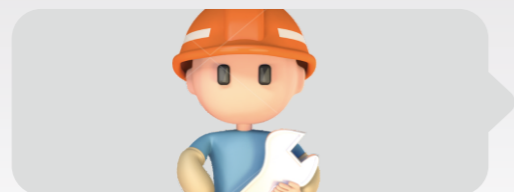
**Delicate Appearance**  
simple color matching, and excellent welding processing.



**Control Details**  
Control Details adheres to the craftsman's original intention and treats every process carefully.



**Thoroughly Tempered**  
Three strict inspection procedures are carried out to eliminate random inspections; each hammer will take no less than 20 minutes to hit the test. Zero defects before leaving the factory, quality guaranteed.



**After Sales Guarantee**  
If a core failure occurs during the three-guarantee period, we will only replace it without repairing it, giving you worry-free after-sales service.



# HYDRAULIC HAMMER |



Model	Unit	AR40	AR45	AR53	AR68	AR75	AR85	AR90	AR100	AR135	AR140	AR155	AR165	AR175	AR185	AR195	AR200	AR210	
Tool Diameter	mm	40	45	53	68	75	85	90	100	135	140	155	165	175	185	195	200	210	
Side Type Weight	Kg	80	105	161	285	390	550	580	835	1671	1855	2741	3301	4575	4544	4992	5320	7031	
Top Type Weight	Kg	90	118	173	296	396	625	650	942	1893	2134	2995	3621	4617	5144	5547	5871	7151	
Box Type Weight	Kg	98	137	180	362	466	668	690	986	1730	1910	2610	3149	4575	4735	5140	5500	6525	
Required Oil Flow	L/min	15-30	20-40	20-50	40-70	50-90	60-100	70-110	80-110	100-150	120-180	180-240	200-260	220-300	270-320	290-340	330-400	360-450	
Operating Pressure	Bar	90-120	90-120	90-120	110-140	120-150	130-160	130-180	150-170	160-180	160-180	160-180	160-180	160-180	170-190	170-190	180-200	180-200	
Impact Rate	Bpm	800-1400	700-1200	600-1100	500-900	400-800	400-800	400-800	350-700	350-500	350-500	200-300	150-300	100-200	100-200	100-200	100-200	100-200	90-150
Impact Energy	J	130	250	350	540	785	1260	1350	1960	3480	3690	5730	6830	14000	17300	19100	19800	22000	
Suitable Excavator	Ton	0.5-1.2	0.8-1.5	1.5-3.5	4.5-6	6-8.5	7-11	7-11	11-14	18-22	20-24	27-33	33-38	40-50	45-50	50-60	55-75	65-100	

# HANDLE HOLD HYDRAULIC HAMMER

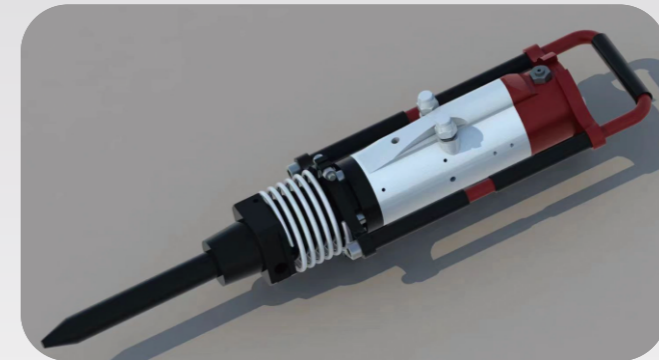


## Application Area

For technical engineering survey; environmental soil survey; agricultural soil survey; groundwater survey; coastal zone geological survey; wetland environmental survey; tailing pond survey; archaeological survey; chemical secondary halo sampling; soil structure description; guardrail piling; road gravel Cleanup; first aid for demolition of houses collapsed during earthquake.

## Advantages and Features

A powerful portable hydraulic hammer that does not require compression. It is completely independent and easy to lift, move and carry. It does not require maintenance or dragging hoses, and can be driven to perform pipe and pile operations in a shorter time with less physical effort. At the same time A single person can carry out efficient crushing operations in a small space.



Model	Unit	AR01F	AR02F
Tool Diameter	mm	25	40(35)
Side Type Weight	Kg	56	75
Top Type Weight	Kg	60	80
Box Type Weight	Kg	71	95
Required Oil Flow	L/min	10-20	15-30
Operating Pressure	Bar	90-120	90-120
Impact Rate	Bpm	1100-1800	900-1500
Impact Energy	J	105	140
Suitable Excavator	Ton	0.8-1.8	0.8-2.5

# MULTI-FUNCTION ROTARY DRILL HEAD

# DRILLING EQUIPMENT | ACCESSORIES



Model	Unit	AR-B35
Drilling Depth	m	13
Drill Pipe Outer Diameter	mm	51
Coring Diameter	mm	30
Sample Tube Length	mm	1000
Weight	kg	40
Work Flow	L/min	15-30
Work Pressure	bar	90-120
Impact Frequency	bpm	800-1500
Impact Energy	J	135
Drilling Speed	General Formation	45S/m
	Soft Formation	15S/m

Model	Unit	AR-D45F	AR-D50F	AR-D60F
Drilling Depth	m	30	30	30
Drill Pipe Outer Diameter	mm	63/89	63/89	63/89
Coring Diameter	mm	32	32	32
Sample Tube Length	mm	1500	1500	1500
Weight	kg	120	119	135
Work Flow	L/min	20-40	25-50	40-70
Work Pressure	bar	90-120	90-120	160-180
Impact Frequency		700-1200	700-1200	1000-1500
Impact Energy	J	250	500	460
Spiral System		Rotatable	/	/



Straight push rod supporting accessories



Direct push sampling tube



Well construction spiral drill pipe



Name	Model	Unit	Size (can be customized)	Name	Model	Unit	Size (can be customized)
Well Construction Auger Drill Pipe	Φ246*Φ158*1600	mm	1600	Coring rod	Φ32	mm	1524/1500
Well Construction Auger Drill Pipe	Φ180*Φ108*1600	mm	1600	Push the outside rod straight	Φ63	mm	1524/1500
Well Construction Auger Drill Pipe	Φ144*Φ70*1600	mm	1600	Push the outside rod straight	Φ89	mm	1524/1500

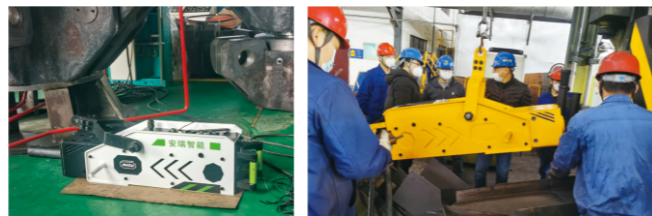


Aluminum Hat    Coupling Rotating Seat    Stop Pin    Callback    Spiral Drill Bit

# BOLT REMOVER |

With the continuous improvement and upsizing of mining equipment, the degree of automation of the removal of internal lining bolts of large shafts and mills has also been continuously improved. At present, when domestic enterprises replace linings, most of the linings of various shafts and bolts are removed. The manual impact type results in low work efficiency, high labor intensity, potential safety hazards, long lining replacement time and backward technology.

Our company's smart shaft remover is a product developed to improve this traditional method of removing shafts and bolts and shorten maintenance time. It is driven by hydraulic power and emits more than ten times the force of a normal person's sledge hammer. The striking power is high, and it can deliver 1-500 strikes per minute without the need to pause and rest. It gives workers a delicate, flexible and extremely powerful striking tool, which greatly improves the utilization rate of the equipment and brings higher benefits to the using units.



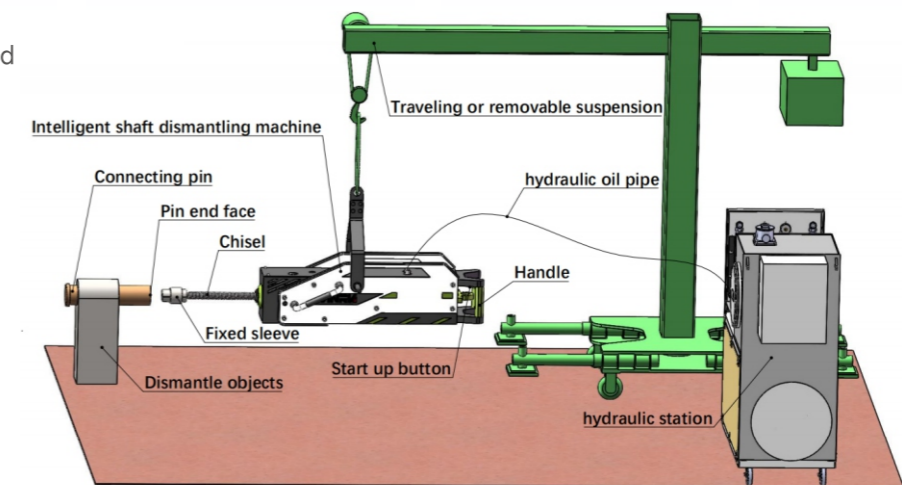
## CORE ADVANTAGES

It can realize stepless frequency modulation and make it more convenient to use; the pure liquid explosion hydraulic hammer using independent intellectual property rights can be truly recoilless. In the past, the equipment required multiple people to control the situation, but now one person can easily solve it; it is light in weight and has fewer faults.



## Application Area

<p><b>Oilfield derrick Pin removal</b></p>	<p><b>Artificial diamond Removing the pin shaft of the six-sided press</b></p>	<p><b>Concrete collapse test, excavator and other large engineering machinery pin removal</b></p>	<p><b>Removal of ball mill liner bolts</b></p>
<p>The traditional method of disassembling and assembling the derrick pins in drilling oil fields requires a large number of people, is heavy workload, time-consuming, labor-intensive, and has low efficiency. It faces various occupational hazards, such as falling from heights, hazards from mechanical equipment, etc., during which personal injury accidents are prone to occur. Therefore, adopting The intelligent shaft disassembly machine can complete the disassembly task efficiently, quickly and safely.</p>	<p>It has the characteristics of large impact, no recoil, simple operation, safety and reliability. Only two people can complete the removal of the pin with a diameter of 180mmx700mm and 190mmx700mm from the matching gap in the 0.08-0.1mm hole.</p>	<p>It can reduce the difficulty of disassembly, improve work efficiency, and not damage the main components; it can replace the traditional methods of jack pressure and manual impact.</p>	<p>Intelligent shaft removal machines are widely used in the removal and replacement of lining bolts of various ball mills. The bolt disassembly cart developed on this basis has the advantages of convenient walking, accurate positioning, high work efficiency and low cost compared to the current traditional machine and station separated disassembly devices.</p>



High Quality  
Core Fault  
Free Renewal  
Guaranteed After-sales Service



INTELLIGENT  
SHAFT  
DISMANTLING  
MACHINE

## BOLT REMOVER |



### PRODUCT PERFORMANCE PARAMETERS

Model	Unit	AR85	AR100
Impact Energy	J	1000~1280	1300~1580
Impact Frequency	times/min	adjustable 1-500	adjustable 1-500
Impact Rod Diameter	mm	≤ φ85	≤ φ100
Quality	kg	≤ 450	≤ 650
Disassembly Diameter	mm	φ45 ~ φ180	φ45 ~ φ180

### HYDRAULIC SYSTEM PARAMETERS

Working Pressure	Mpa	≤20	≤20
Working Flow	L/min	≤100	≤100
Oil Supply Mode		Customer's main engine oil source, factory-equipped oil source	Customer's main engine oil source, factory-equipped oil source

