



RIVER



LONG REACH ARM&BOOM

Product Description

www.riverexcavator.net
Jiangsu River Heavy Industry Co., Ltd.

ORIGINAL MANUFACTURER OF EXTENDED ARMS

we stands as a prominent manufacturer and supplier of long-reach arms in China, delivering premium-grade extended arms/sticks renowned for their durability and quality across global markets.

ABOUT US



CONSTRUCTION

River has been committed to the research and exploration of equipment and solutions in the field of river dredging, and has led and participated in more than 200 river dredging projects, which has provided us with valuable practical experience in the research and development of amphibious equipment .



CERTIFICATE

Our products have been certified under the ISO9001 Quality Management System and the EU CE certification, and have obtained over ten national utility model patents.



INTERNATIONAL

Our products have been sold to more than 50 Chinese domestic cities and over 30 countries and regions, including Indonesia, Malaysia, Philippines, Bangladesh, Poland, France, Russia, United States, Canada, Brazil, Argentina and Africa market.



Product range

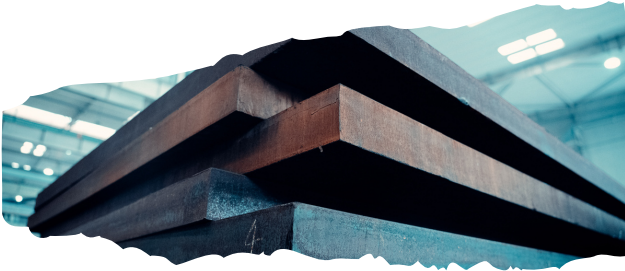
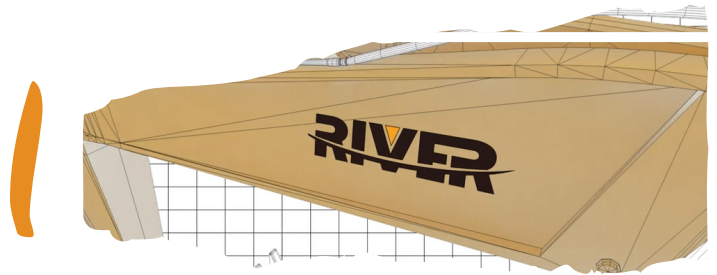
- Excavator extension arms spanning from 7-50 T
- Offering extended arm lengths ranging from 7-30m



The Advantages of River's long reach boom

Advanced Design Tools

Utilizing state-of-the-art CAD, 3D, and FEA structural design tools, our adept design team provides precise data analysis for personalized customization and product upgrades. Innovative designs prioritize longevity and reliability, addressing concerns of potential cracking or breaking.



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Premium-Quality Raw Materials

Sourced exclusively from China's leading steel manufacturers, our extension arms are crafted from low-alloy high-strength plates, ensuring optimal excavator performance. Our hydraulic hoses undergo phosphating for superior anti-corrosion properties, while copper sleeves on connectors enhance durability, exemplifying our dedication to quality.

Cutting-Edge Manufacturing Process

We boast an array of advanced processing equipment, including laser cutters, plasma cutters, welding robots, and automated coating lines, ensuring precision manufacturing and high production efficiency.

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Precision and Consistency

Robotic welding ensures unparalleled precision and consistency in the welding process, resulting in uniform and high-quality long reach arms.

High-end machining equipment ensures precision

The Double Gantry Milling Machine, equipped with advanced CNC controls, efficiently executes intricate milling tasks, making it ideal for precision production of long reach arms with uniformity and adherence to tight tolerances.

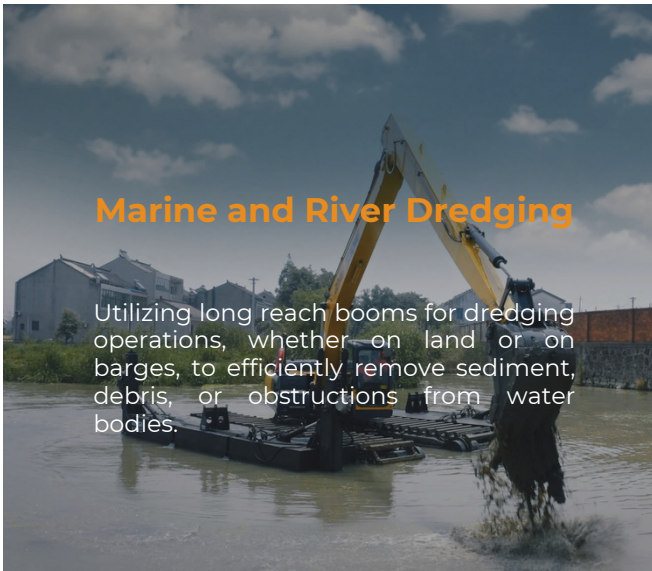
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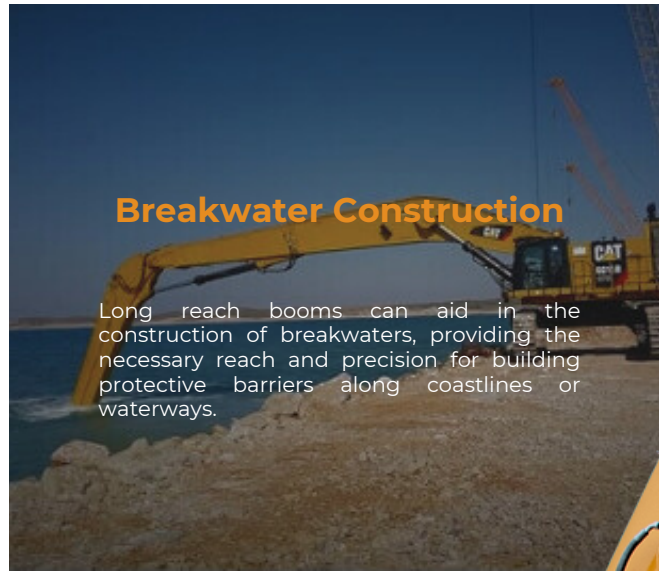
Stringent Production Processes for Unwavering Quality

Non-destructive testing (NDT) methods such as ultrasonic testing and magnetic particle inspection ensure the structural integrity of our long reach booms. Our unwavering commitment to quality guarantees products that meet or exceed industry standards.



Marine and River Dredging

Utilizing long reach booms for dredging operations, whether on land or on barges, to efficiently remove sediment, debris, or obstructions from water bodies.



Breakwater Construction

Long reach booms can aid in the construction of breakwaters, providing the necessary reach and precision for building protective barriers along coastlines or waterways.



APPLICATION OF EXTENDED ARM

The extended arm is a staple in diverse construction applications, including river dredging, port operations, subway construction, and foundation excavation.



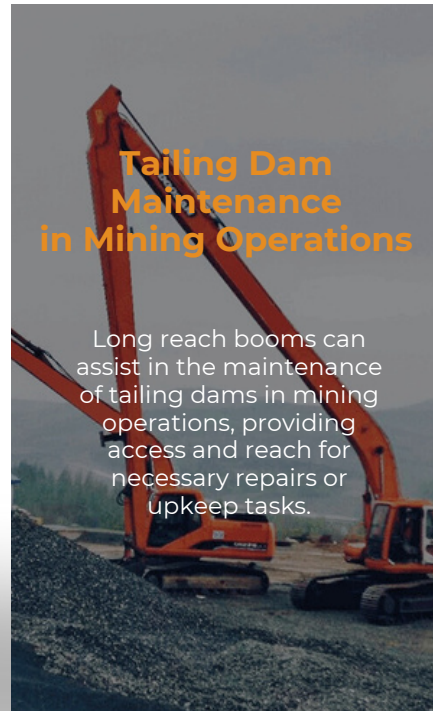
Basement and Deep Foundation Excavation

Long reach booms can be instrumental in excavating basements and foundations, reaching deeper levels with precision and efficiency.



Construction of Ditches, Levees, and Pond Maintenance

Long reach booms are useful in building ditches, levees, and for the maintenance of ponds, allowing for precise digging and maintenance tasks.



Tailing Dam Maintenance in Mining Operations

Long reach booms can assist in the maintenance of tailing dams in mining operations, providing access and reach for necessary repairs or upkeep tasks.

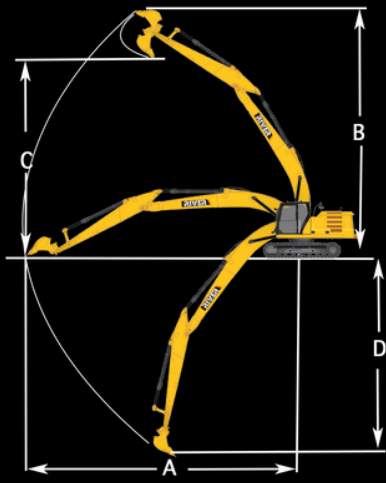
LONG REACH PACKAGE

There is no customized component/part used in our attachment; we design it with commonly available off-the-shelf components that customers can easily obtain from their local excavator spare parts market.

Each long-reach package comes standard with the following items:

- ✓ **1x long boom**
- ✓ **1x long stick/arm**
- ✓ **1x bucket**
- ✓ **1x arm cylinder**
- ✓ **1x bucket cylinder**
- ✓ **2x boom pin**
- ✓ **2x arm pin**
- ✓ **2x bucket pin**
- ✓ **1 set of Linkage**
- ✓ **2x pin for Linkage**
- ✓ **Full set of hydraulic piping/tubing**

PARAMETERS



Excavator Model	Total Length		Boom Length		Arm Length		Bucket Capacity		Max. Excavation Radius(A)	Max. Unloading Height(B)	Max. Excavation Height(C)	Max. Excavation Depth(D)
	m	ft	m	ft	m	ft	m ³	Yard ³	mm	mm	mm	mm
7-9T	7	22.96	3.99	13.09	3.01	9.87	0.30	0.39	7780	7460	9180	4700
	9	29.52	5.13	16.83	3.87	12.69	0.20	0.26	9780	9460	11180	6700
13-15T	9	29.52	5.13	16.83	3.87	12.69	0.60	0.78	10220	8870	11340	6305
	11	36.08	6.27	20.57	4.73	15.51	0.50	0.65	12220	10870	13340	8305
	12.5	41	7.125	23.37	5.375	17.63	0.40	0.52	13263	11784	13846	8254
18-23T	13	42.64	7.41	24.30	5.59	18.34	0.60	0.78	14080	11915	14800	9815
	15	49.2	8.55	28.04	6.45	21.16	0.45	0.59	16080	13915	16800	11815
	17	55.76	9.69	31.78	7.31	23.98	0.40	0.52	18080	15915	18800	13815
27-23T	15	49.2	8.55	28.04	6.45	21.16	0.60	0.78	15350	14015	16925	11560
	18	59.04	10.26	33.65	7.74	25.39	0.40	0.52	18350	17015	19925	14560
	20	65.6	11.4	37.39	8.6	28.21	0.30	0.39	20350	19015	21925	16560
34-37T	15	49.2	8.55	28.04	6.45	21.16	0.80	1.04	15800	10180	10860	9680
	18	59.04	10.26	33.65	7.74	25.39	0.60	0.78	18800	13180	13860	12680
	20	65.6	11.4	37.39	8.6	28.21	0.40	0.52	20800	15180	15860	14680
	24	78.72	13.68	44.87	10.32	33.85	0.30	0.39	24500	19900	22300	16500
38-44T	15	49.2	8.55	28.04	6.45	21.16	1.00	1.30	15800	10180	10860	9680
	18	59.04	10.26	33.65	7.74	25.39	0.80	1.04	18800	13180	13860	12680
	24	78.72	13.68	44.87	10.32	33.85	0.50	0.65	24800	19180	19860	18680
	30	98.4	17.1	56.09	12.9	42.31	0.40	0.52	30800	25180	25860	24680

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江苏长河重工有限公司



More Products

- *Amphibious Excavator*
- *Amphibious Carrier*
- *Pontoon Undercarriage*
- *Hydraulic Dredging Pump*
- *Excavator Bucket*

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