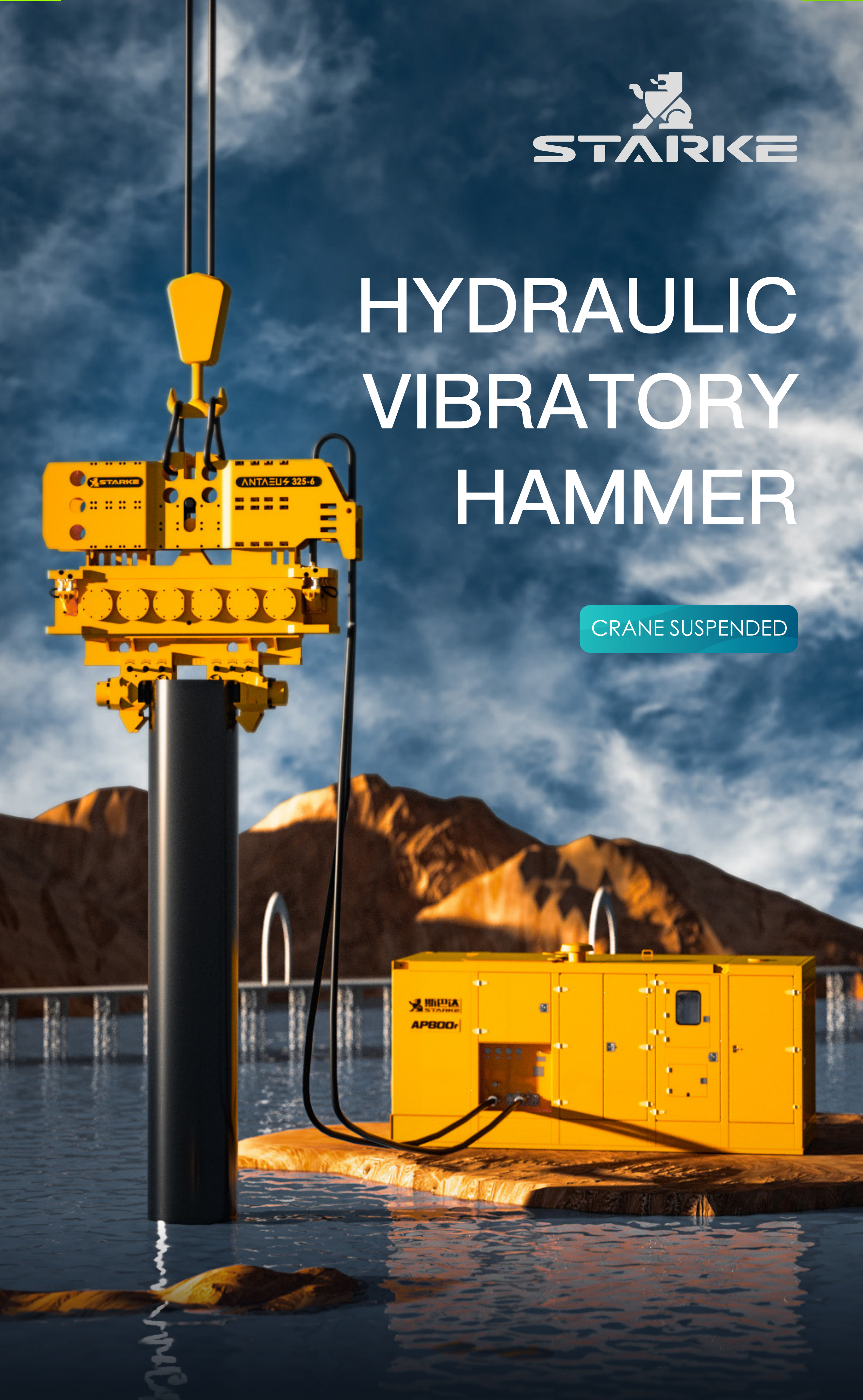


HYDRAULIC VIBRATORY HAMMER

CRANE SUSPENDED

INTELLIGENT MANUFACTURER
OF PILING EQUIPMENT

HYDRAULIC VIBRATORY HAMMER
STARKE 01

STARKE
Full of Might.

Two Stage Damping System 30% Reduce Resonance Up to

Unique Gears and Bearings
Strong Durability
Longer Services LIfe-span 60% Up to

Patent
NO.1
Domestic Data

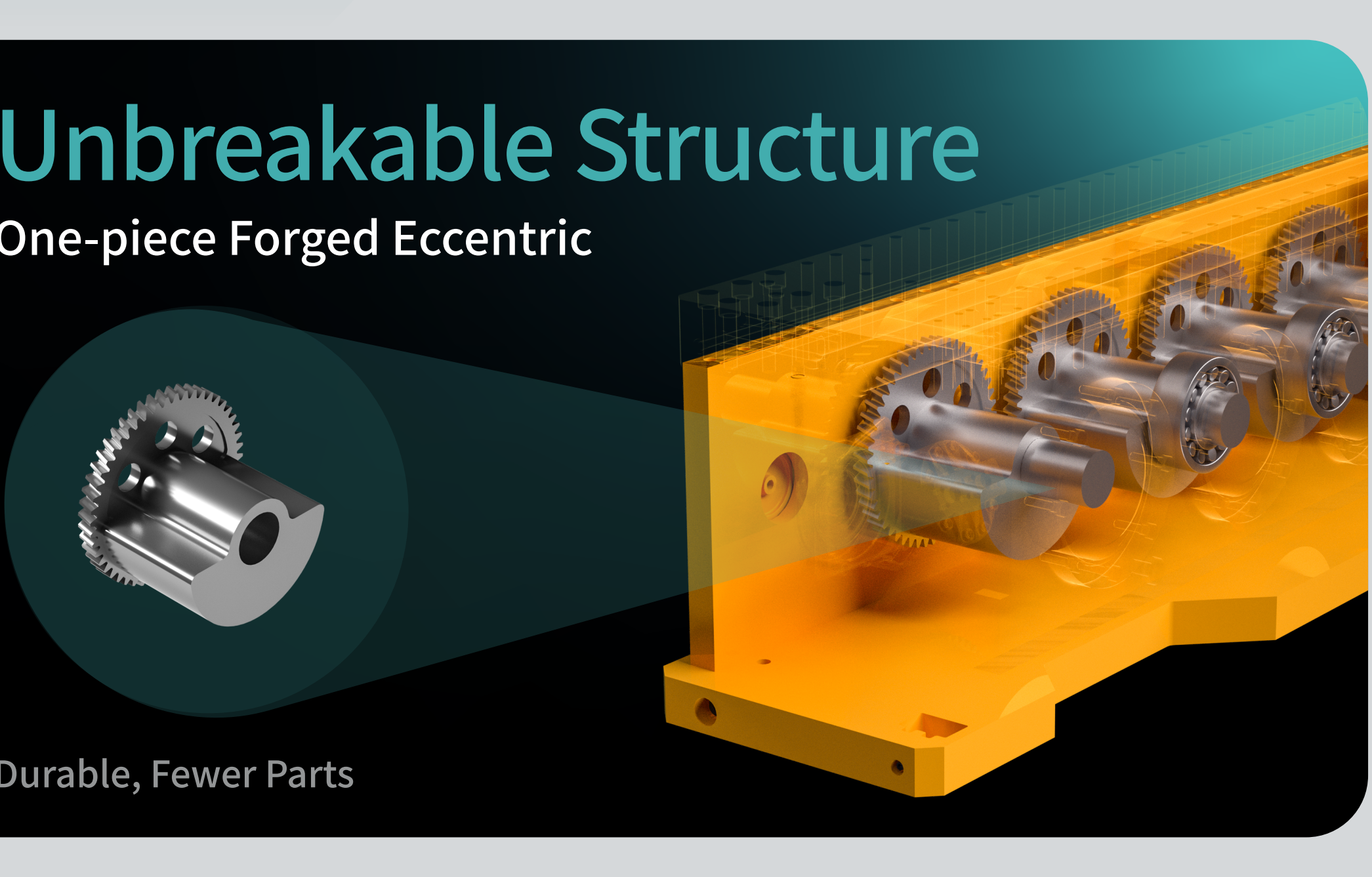
John White
Antaeus CEO

Mr. John White is a top expert in the world of vibratory hammers and deep foundation equipment. He is the Co-founder of American Pile driving Equipment (APE) and received dozens of patents related to pile driving. He has achieved astonishing innovation in his career. In 2016 John launched Antaeus company, focusing on the development of next generation vibratory pile drivers and manufacturing process.

In 2019, Antaeus Company and STARKE formally reached an agreement to carry out in-depth development and cooperation in the field of hydraulic piling equipment.

HYDRAULIC VIBRATORY HAMMER
PRODUCT FEATURES

Unbreakable Structure
One-piece Forged Eccentric



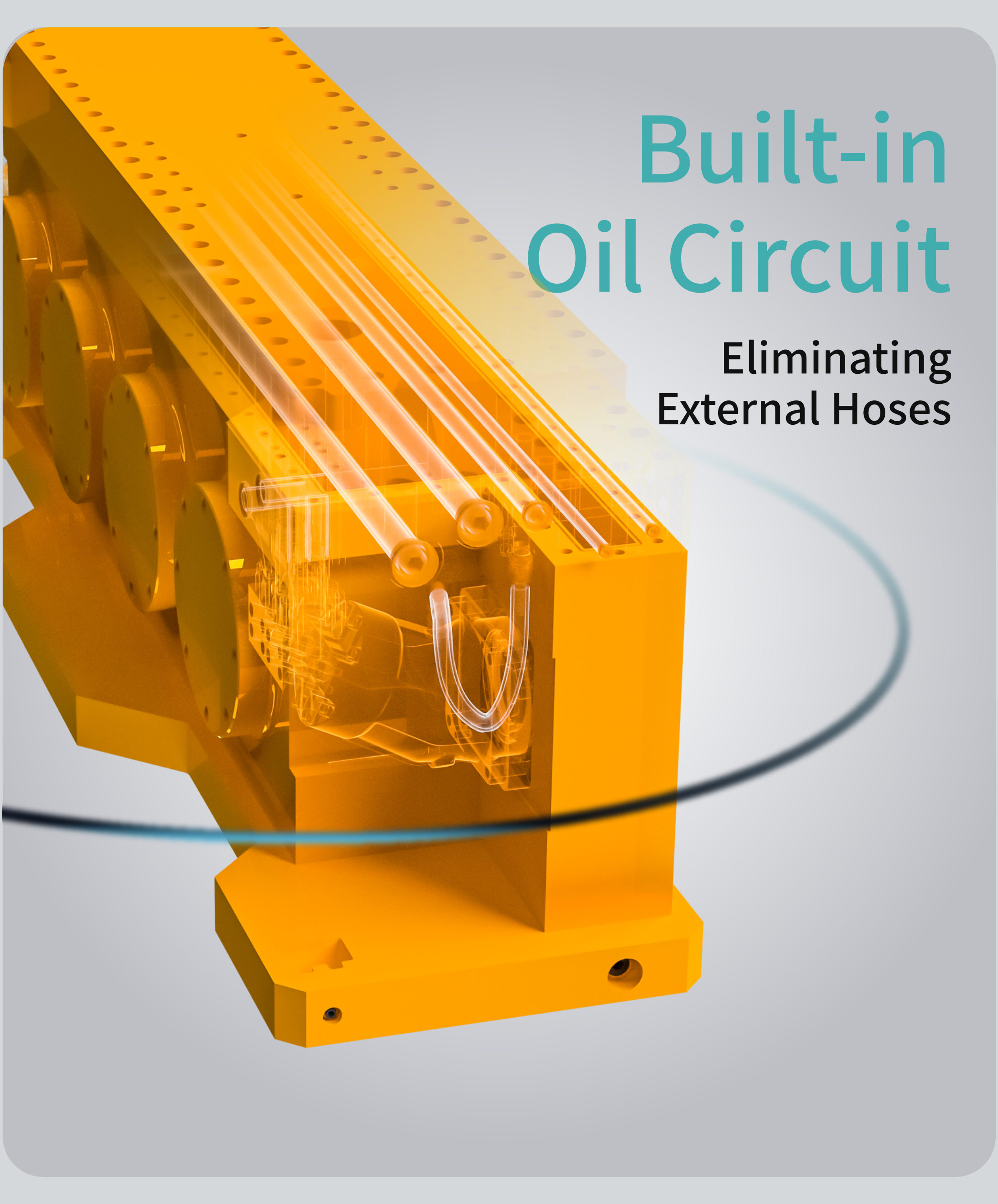
Durable, Fewer Parts

Outstanding Bearing Life
Can Sustain Various Working Conditions

60% Up to

Service Life-span

Built-in Oil Circuit
Eliminating External Hoses



One-piece Formation
No Welding Between Housing And Bearing Block

No Welding
All Series

Machined Down From Extra Thick Steel
Ensuring Housing Toughness

Universal Spare Parts
Perfect For Rental Fleet
Reduce Parts Cost

Inventory Reduction
50%

2 Series
SV325 Series
SV400&600 Series

Two Stages Damping System
Provides Unparalleled Shock Absorption Performance

Large Elastomer Provide Excellent High Frequency Absorbtion

Small Elastomer Provide Additional Pulling Force

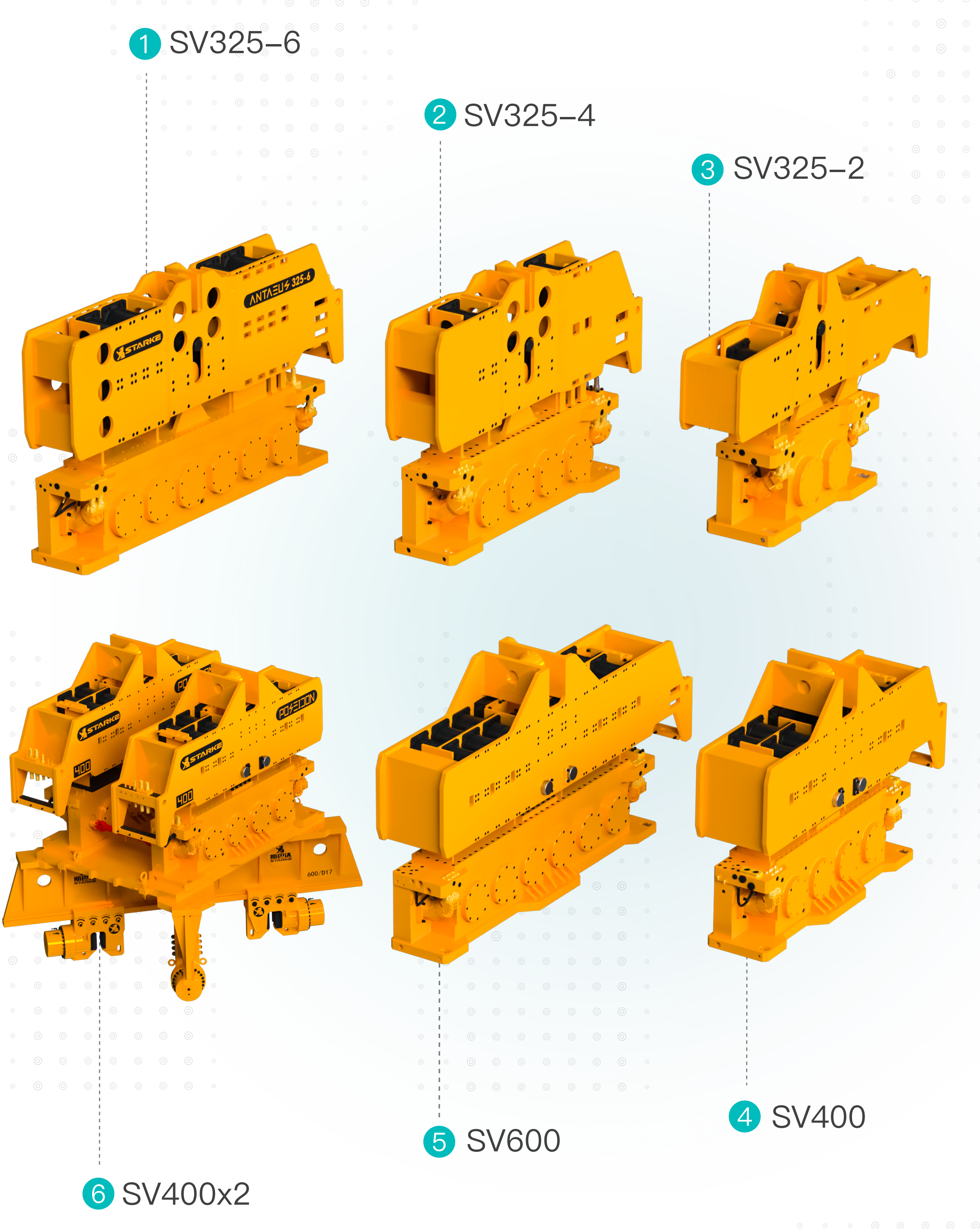
HYDRAULIC VIBRATORY HAMMER
Power Pack

Operate In Extreme Weather–conditon, And Easy For Transportation.

Arctic Environment

Desert Environment

Explore the lineup.



HYDRAULIC VIBRATORY HAMMER

Technical Parameters

Model	UNIT	SV325–2	SV325–4	SV325–6	SV400	SV600
Eccentric Moment	kg.m	26	51	77	135	202
Max. Drive Force	kN	950	1800	2350	3200	4115
Max. Frequency	rpm	1800	1650	1650	1450	1350
Amplitude (without clamp)	mm	20	17	15.4	20	20
Max. Pile Pulling Force	kN	1250	1183	1646	2082	3123
Max. Working Pressure	Mpa	32	32	32	32	32
Weight(without clamp)	kg	4576	6708	8749	18665	22000
Recommended Power Pack Model		P600	AP800f	AP800f	AP1200	AP1200
Recommended Crane Tonnage	ton	50&Above	80&Above	100&Above	175&Above	200&Above

Special Model	UNIT	SV400x2	SV600x2	Apex 320	Apex 520	SV325–2T	SV325–4T	SV325–6T
Eccentric Moment	kg.m	270	404	30	62	30	60	90
Max. Drive Force	kN	6400	8230	1067	2000	1100	2000	2850
Max. Frequency	rpm	1450	1350	1800	1650	1800	1650	1650
Amplitude (without clamp)	mm	20	20	19	17	20	17	15.4
Max. Pile Pulling Force	kN	4164	6246	961	1250	1250	1183	1646
Max. Working Pressure	Mpa	32	32	32	32	26	32	32
Weight (without clamp)	kg	37330	44000	4576	7000	4576	6708	8749
Recommended Power Pack Model		AP1200x2	AP1200x2	P600	AP800f	P600	AP800f	AP800f
Recommended Crane Tonnage	ton	350&Above	400&Above	50&Above	90&Above	50&Above	80&Above	100&Above

HYDRAULIC VIBRATORY HAMMER

Optional Power Packs

斯巴达
STARKE
AP800f

Diesel Engine Power Pack

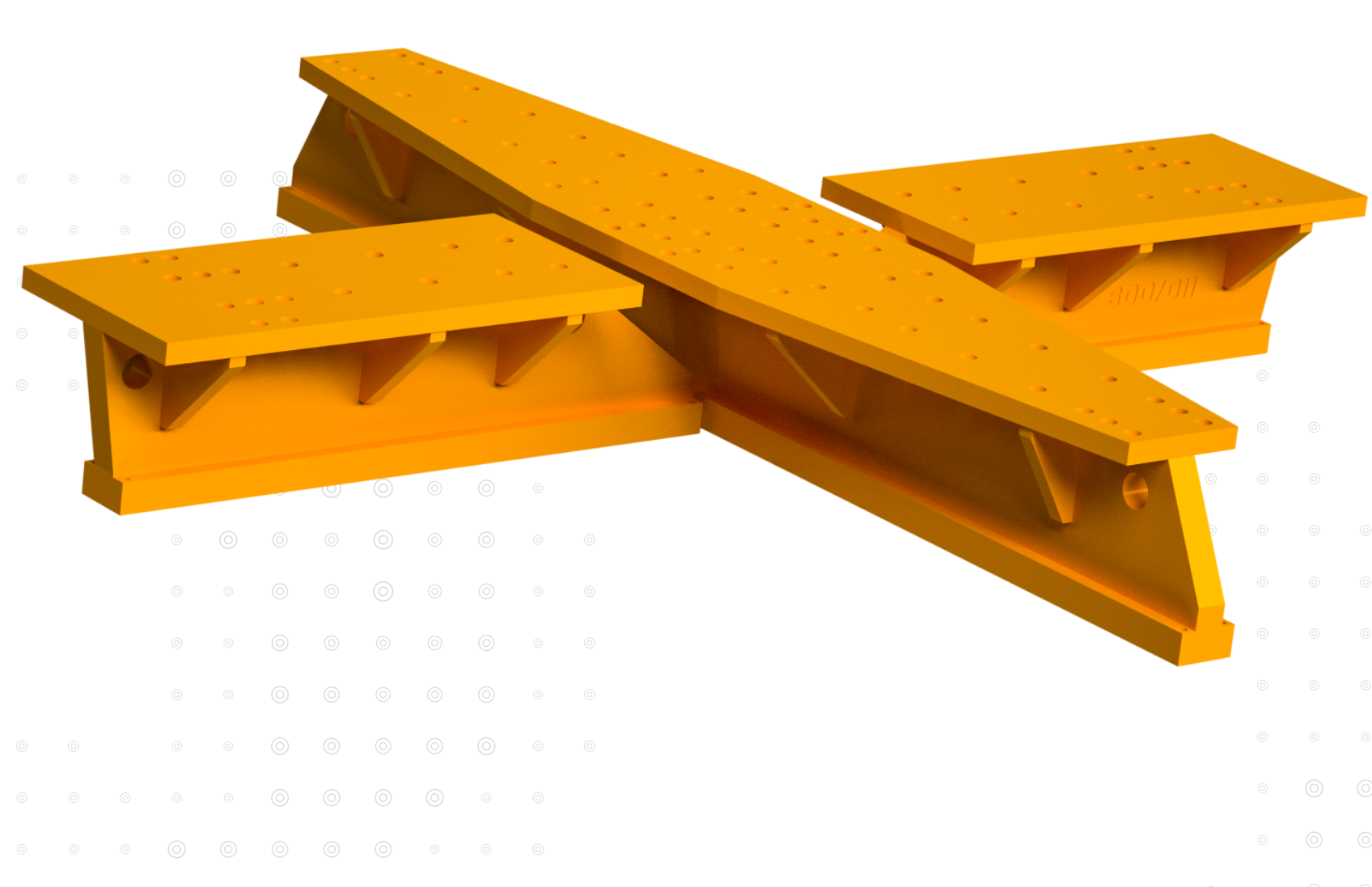
Power Pack Model		P600	AP800f	AP1200
Engine		Cummins	Weichai	Weichai
Engine Power	kW	447	670	900
Max. Operating Pressure	Mpa	26	30	30
Max. Flow	L/min	760	828	1278
Hydraulic Oil Tank	L	1725	2700	4100
Diesel Oil Tank	L	770	860	1400
Dimension(L*W*H)	mm	4700*1820*2250 mm	5200*2030*2310	6400*2800*2630
Weight	kg	7400	10500	14500

Optional Beam

Long Beam

Model	Clamping Range	Weight
8 Feet	490–1760mm	772kg
11 Feet	490–2680mm	1278kg
13 Feet	660–3180mm	3497kg
15 Feet	660–3780mm	3958kg
17 Feet	660–4400mm	4795kg

Cross Beam



Model	Clamping Range	Weight
8 Feet	770–1760mm	2069kg
11 Feet	780–2680mm	4484kg
13 Feet	1000–3180mm	8595kg
15 Feet	1000–3780mm	9990kg
17 Feet	1630–4400mm	10543kg

HYDRAULIC VIBRATORY HAMMER

OPTIONAL CLAMPS

Steel Pile–Pile Clamp

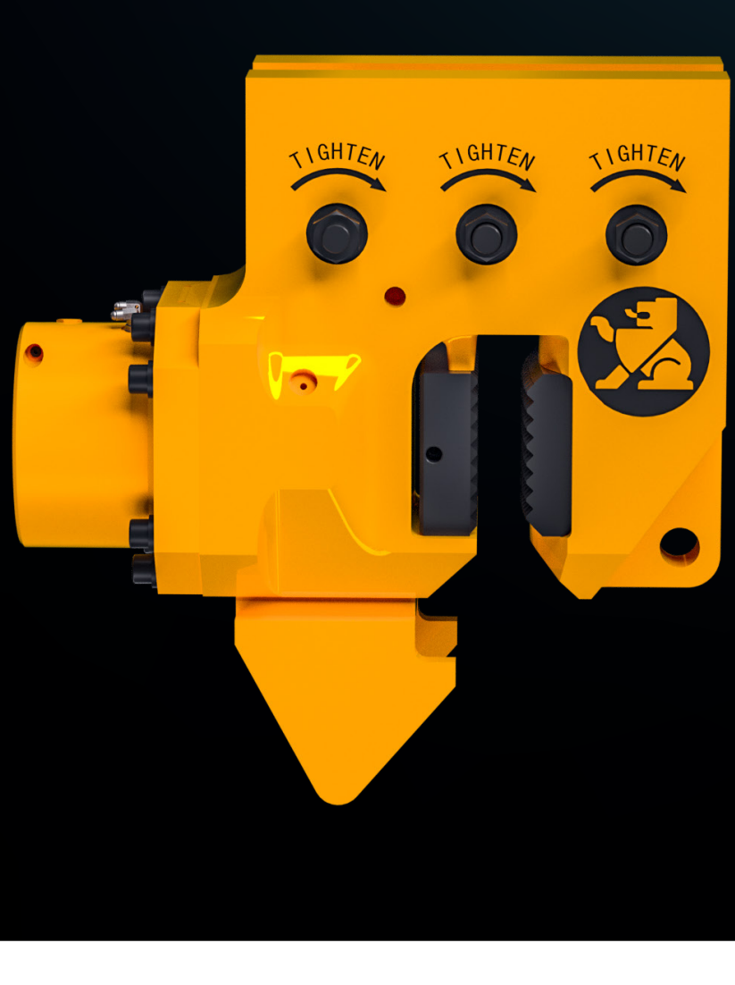
INTELLIGENT MANUFACTURER
OF PILING EQUIPMENT

C100S

Clamping Force	100 tons
Jaw Range	0–40 mm
Weight	551 kg

C100

Clamping Force	100 tons
Jaw Range	0–54 mm
Weight	798 kg



C200

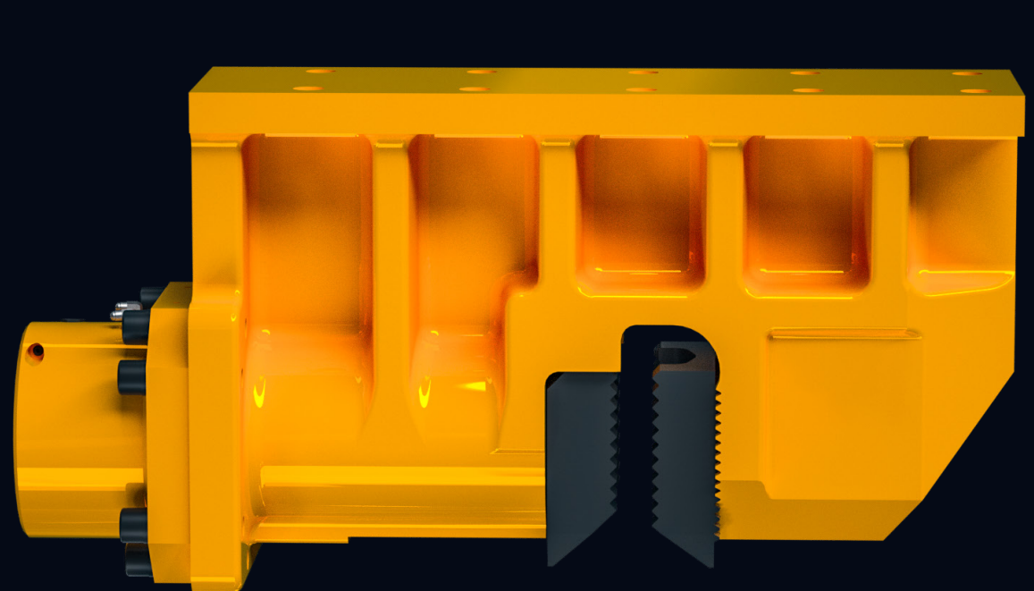
Clamping Force	200 tons
Jaw Range	0–70 mm
Weight	1360 kg

TIGHTEN
TIGHTEN
TIGHTEN
TIGHTEN

Universal Clamp

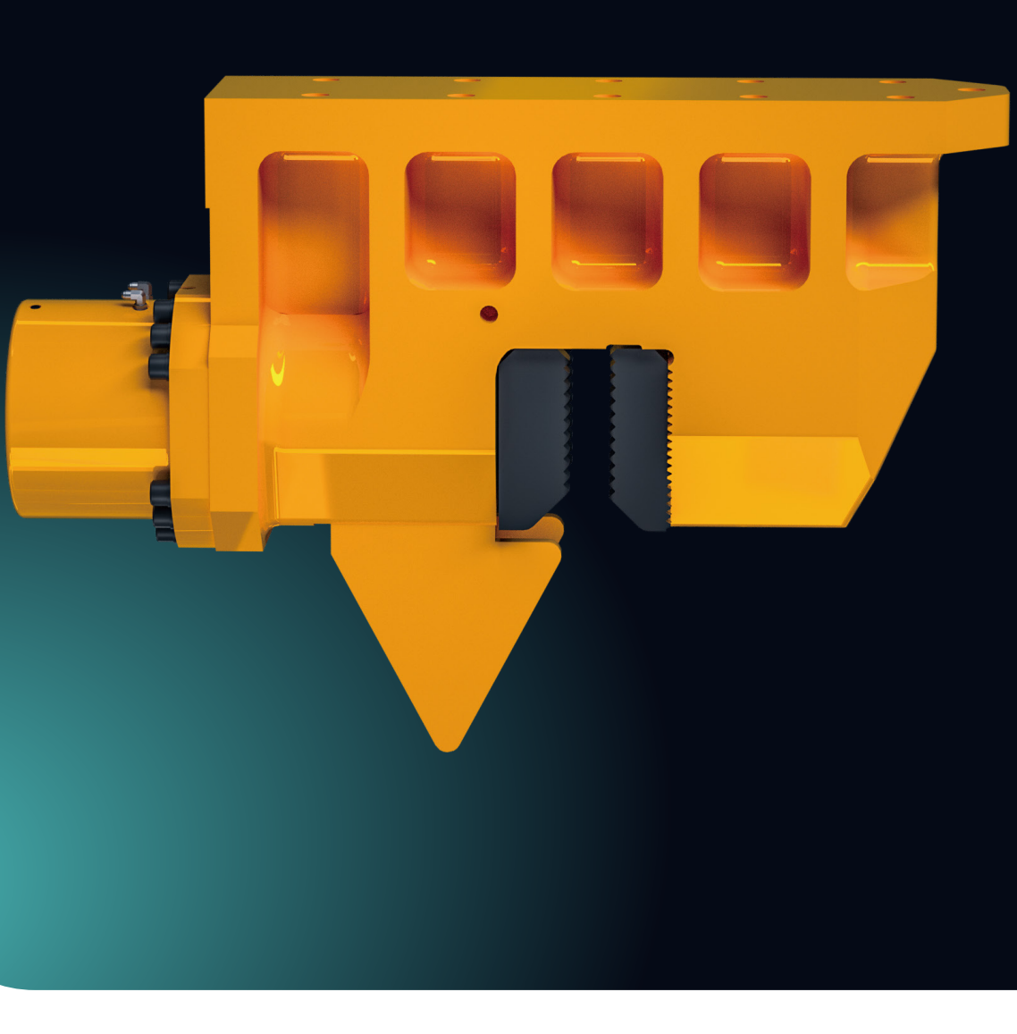
U100

Clamping Force	100 tons
Jaw Range	0–40 mm
Weight	992 kg



U150

Clamping Force	150 tons
Jaw Range	0–58 mm
Weight	1550 kg



Cement Pile

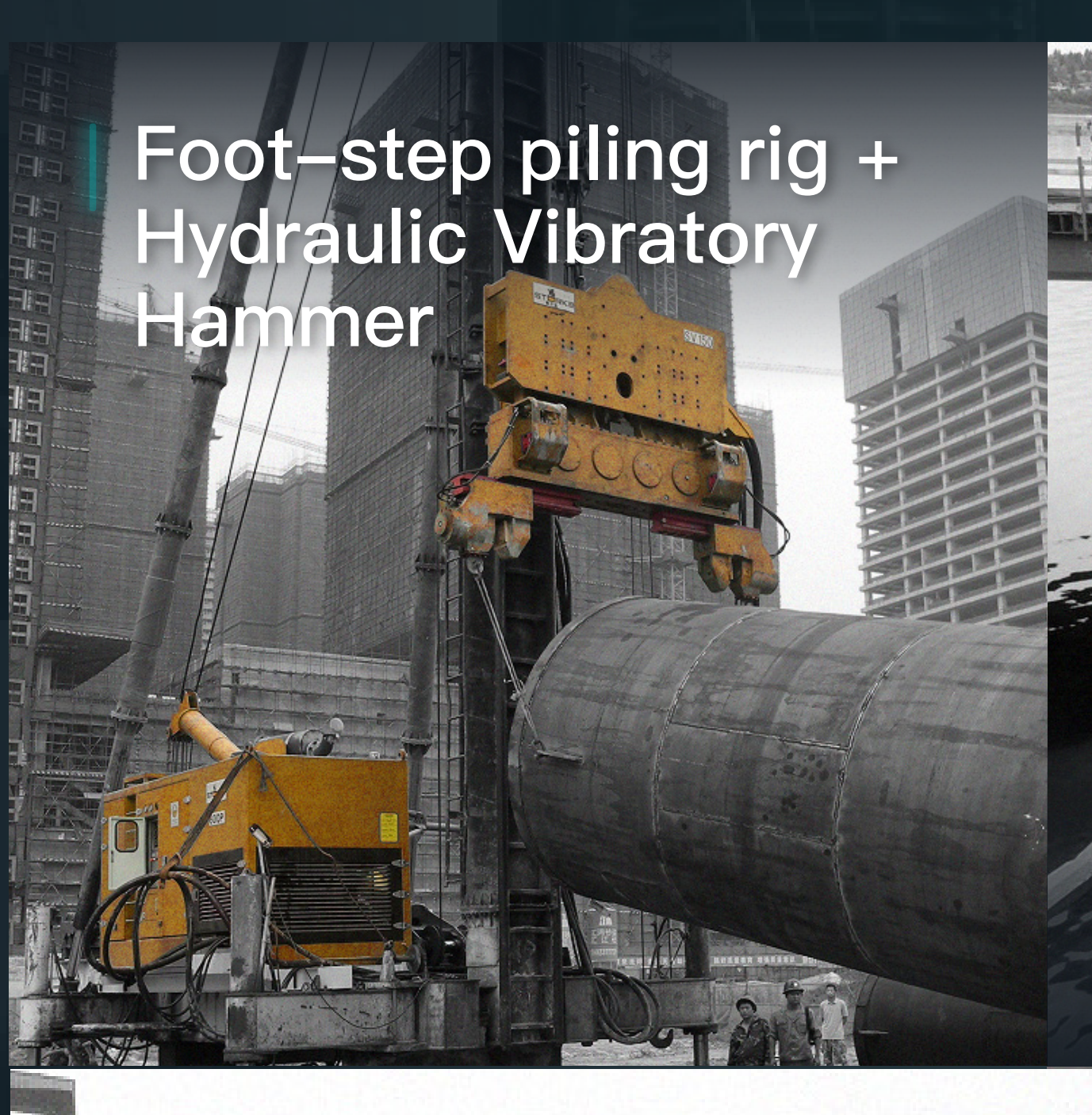
CC150

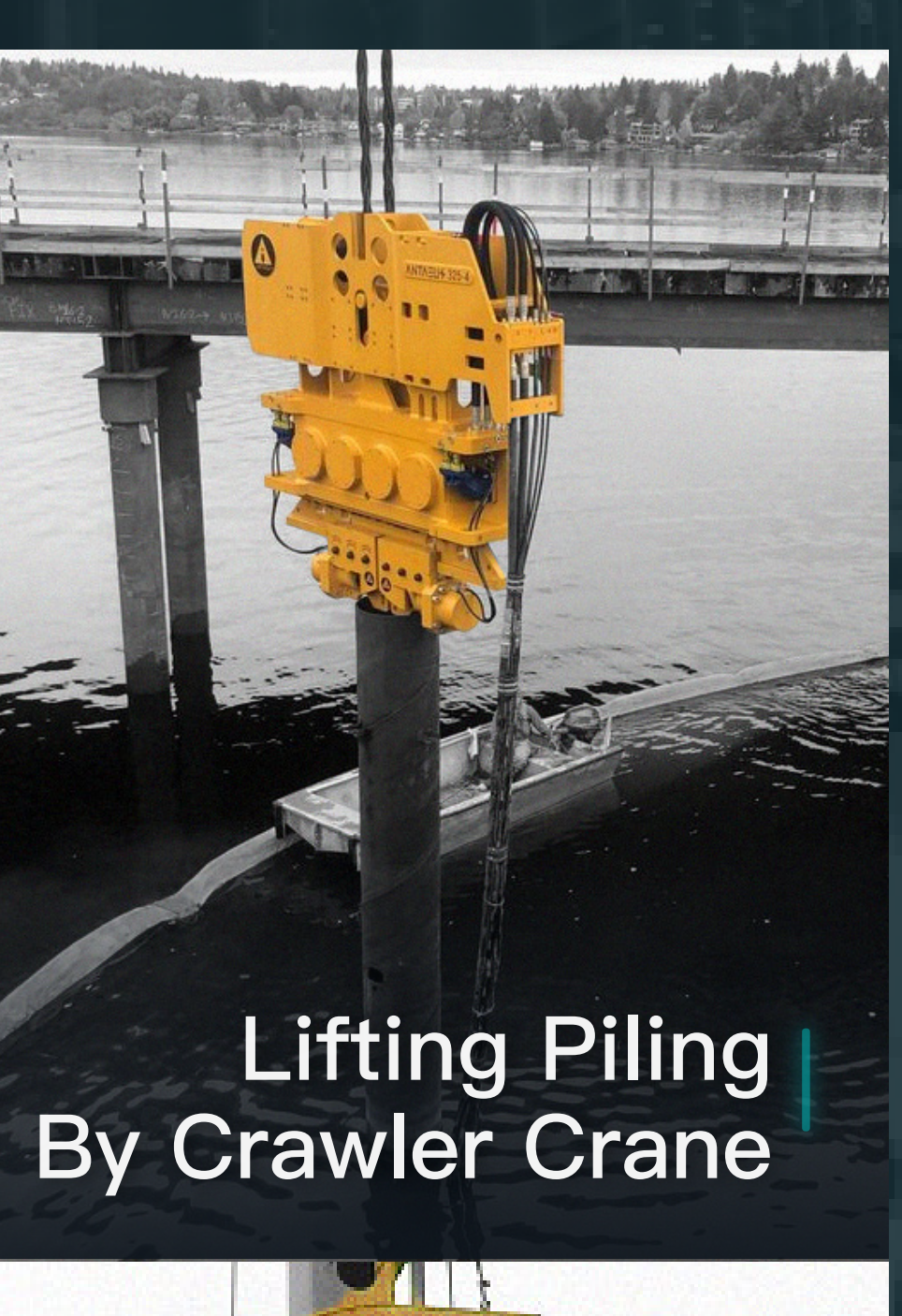
Clamping Force	150 tons
Jaw Range	0–58 mm
Weight	1550 kg

INTELLIGENT MANUFACTURER
OF PILING EQUIPMENT

HYDRAULIC VIBRATORY HAMMER

Matching Piling Method

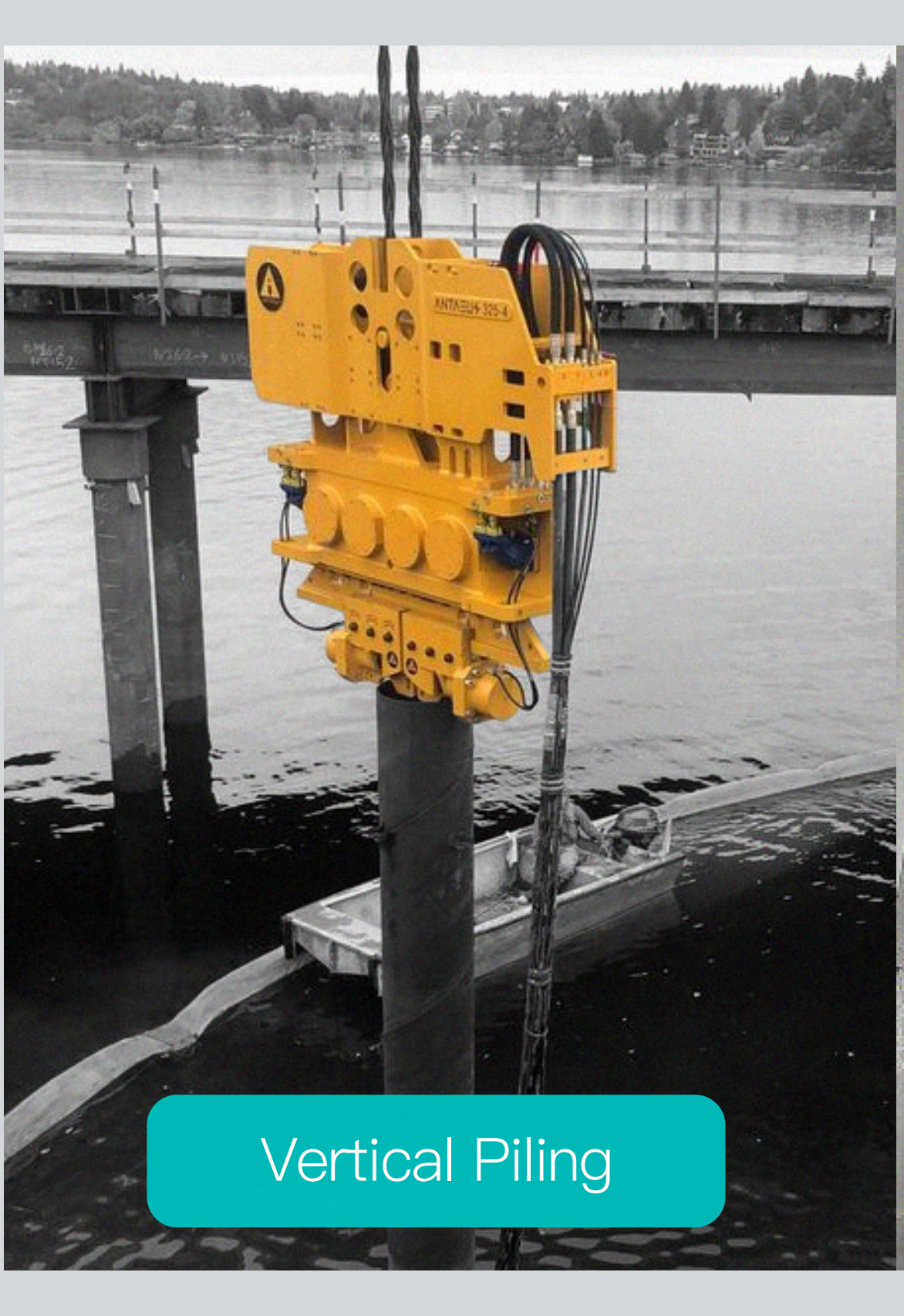

Foot-step piling rig + Hydraulic Vibratory Hammer

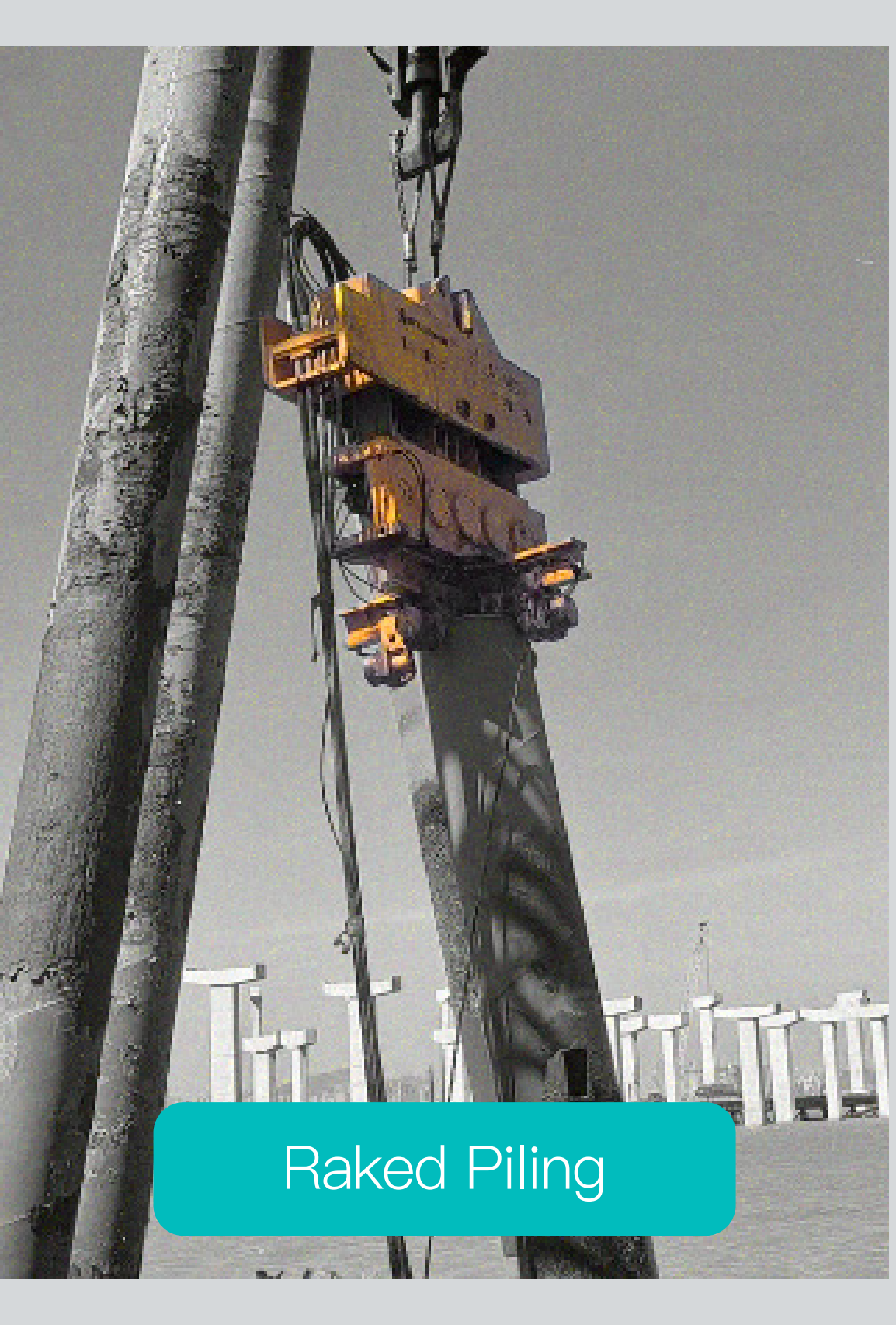

Lifting Piling By Crawler Crane

Hydraulic Crawler Piling Rig + Hydraulic Vibratory Hammer

HYDRAULIC VIBRATORY HAMMER

Suitable Piling Method


Vertical Piling


Raked Piling

HYDRAULIC VIBRATORY HAMMER

Construction Cases

Global Construction

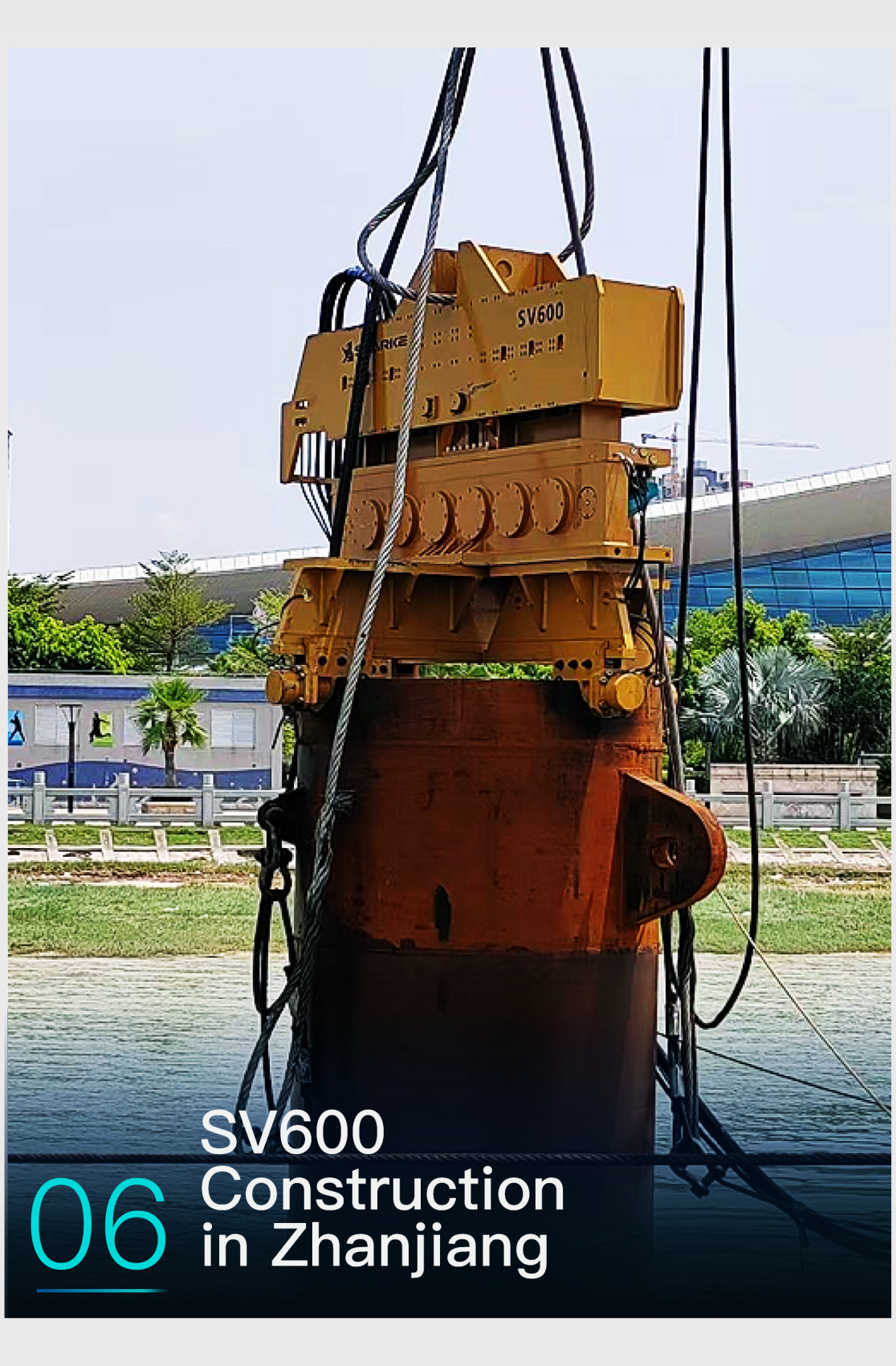
01 SV325-4 Construction in Shenzhen-Zhongshan Bridge

02 SV400X2 Construction in Fangchenggang

03 SV325-6 Construction in the United States

04 SV400 Underwater Construction in Shenzhen

05 SV400 Construction in Fujian

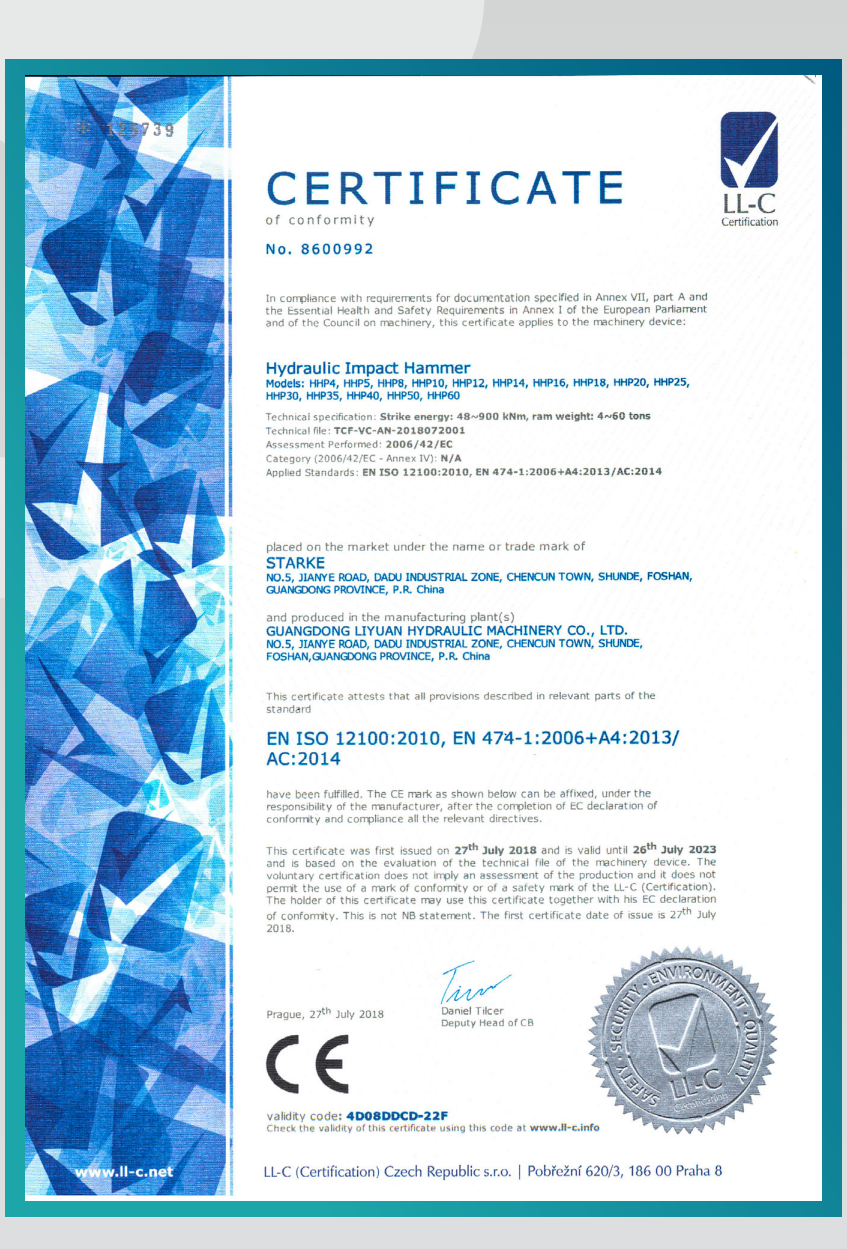

06 SV600 Construction in Zhanjiang

07 SV325-4 Construction in Canada

Higlight the remarkebles.

Outstanding achievements

01


CERTIFICATE
of conformity
No. 8600992

In compliance with requirements for documentation specified in Annex VII, part A and the Essential Health and Safety Requirements in Annex I of the European Parliament and of the Council on machinery, this certificate applies to the machinery device:

Hydraulic Impact Hammer
Models: HHP4, HHP5, HHP8, HHP10, HHP12, HHP14, HHP16, HHP18, HHP20, HHP25, HHP30, HHP35, HHP40, HHP50, HHP60
Technical specification: Strike energy: 48~900 kNm, ram weight: 4~60 tons
Technical file: TCF-VC-AN-2018072001
Assessment Performed: 2006/42/EC
Category (2006/42/EC - Annex IV): N/A
Applied Standards: EN ISO 12100:2010, EN 474-1:2006+A4:2013/AC:2014

placed on the market under the name or trade mark of
STARKE
NO.5, JIANYE ROAD, DADU INDUSTRIAL ZONE, CHENCUN TOWN, SHUNDE, FOSHAN, GUANGDONG PROVINCE, P.R. China

and produced in the manufacturing plant(s)
GUANGDONG LIYUAN HYDRAULIC MACHINERY CO., LTD.
NO.5, JIANYE ROAD, DADU INDUSTRIAL ZONE, CHENCUN TOWN, SHUNDE, FOSHAN,GUANGDONG PROVINCE, P.R. China

This certificate attests that all provisions described in relevant parts of the standard

EN ISO 12100:2010, EN 474-1:2006+A4:2013/AC:2014

have been fulfilled. The CE mark as shown below can be affixed, under the responsibility of the manufacturer, after the completion of EC declaration of conformity and compliance all the relevant directives.

This certificate was first issued on 27th July 2018 and is valid until 26th July 2023 and is based on the evaluation of the technical file of the machinery device. The voluntary certification does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the LL-C (Certification). The holder of this certificate may use this certificate together with his EC declaration of conformity. This is not NB statement. The first certificate date of issue is 27th July 2018.

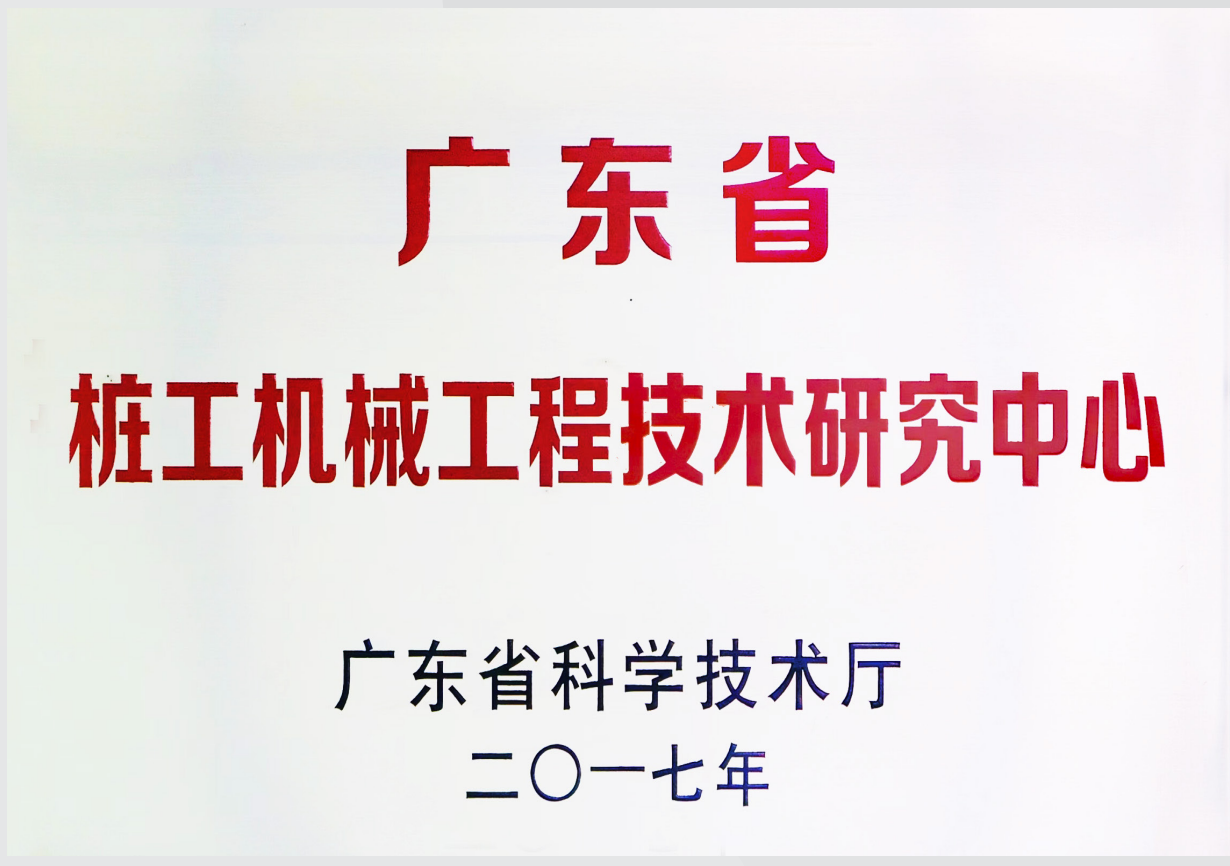
Prague, 27th July 2018
Daniel Tilcer
Deputy Head of CB

validity code: 4D08DDCD-22F
Check the validity of this certificate using this code at www.ll-c.info

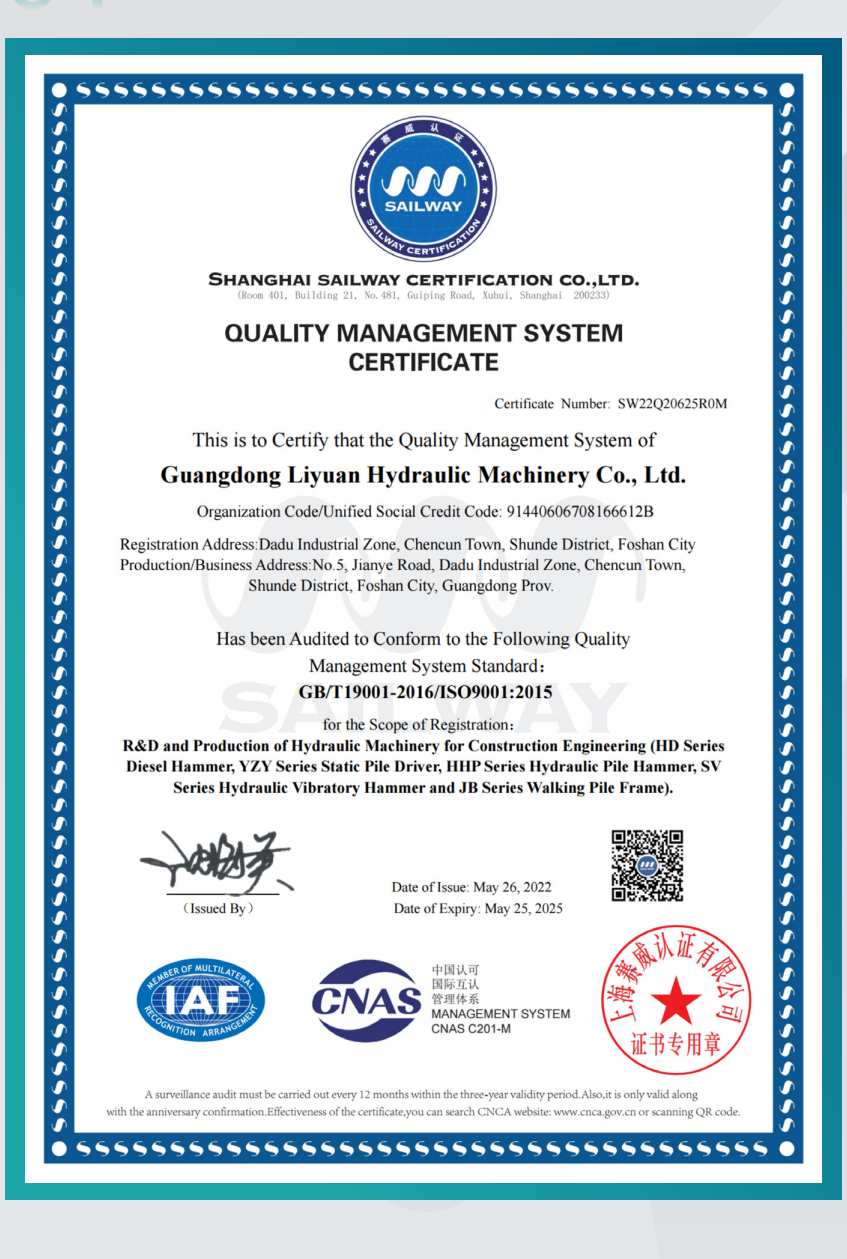
www.ll-c.net
LL-C (Certification) Czech Republic s.r.o. | Pobřežní 620/3, 186 00 Praha 8

03

02


广东省
桩工机械工程技术研究中心
广东省科学技术厅
二〇一七年

04


SHANGHAI SAILWAY CERTIFICATION CO.,LTD.

QUALITY MANAGEMENT SYSTEM
CERTIFICATE

Certificate Number: SW22Q20625R0M

This is to Certify that the Quality Management System of
Guangdong Liyuan Hydraulic Machinery Co., Ltd.
Organization Code/Unified Social Credit Code: 91440606708166612B
Registration Address:Dadu Industrial Zone, Chencun Town, Shunde District, Foshan City
Production/Business Address:No.5, Jianye Road, Dadu Industrial Zone, Chencun Town, Shunde District, Foshan City, Guangdong Prov.

Has been Audited to Conform to the Following Quality Management System Standard:
GB/T19001-2016/ISO9001:2015
for the Scope of Registration:
R&D and Production of Hydraulic Machinery for Construction Engineering (HD Series Diesel Hammer, YZY Series Static Pile Driver, HHP Series Hydraulic Pile Hammer, SV Series Hydraulic Vibratory Hammer and JB Series Walking Pile Frame).

(Issued By)
Date of Issue: May 26, 2022
Date of Expiry: May 25, 2025

MANAGEMENT SYSTEM
CNAS C201-M

A surveillance audit must be carried out every 12 months within the three-year validity period.Also,it is only valid along with the anniversary confirmation.Effectiveness of the certificate,you can search CNCA website: www.cnca.gov.cn or scanning QR code.

Patent	01
Piling Equipment Engineering Research Center of Guangdong,China	02
CE Certificate	03
ISO 9001 Certificate	04

About Us

Established in 1993, STARKE is China's leading piling equipment manufacturer. We provide high quality piling machine for all kinds of foundation projects, capable from custom design to after-sales services, offering total solutions for customers.

Our main products include: diesel pile hammers; hydraulic impact hammers; hydraulic vibratory hammers; static pile pressing machines; hydraulic crawler piling rigs; foot-step piling rigs and rock breakers.

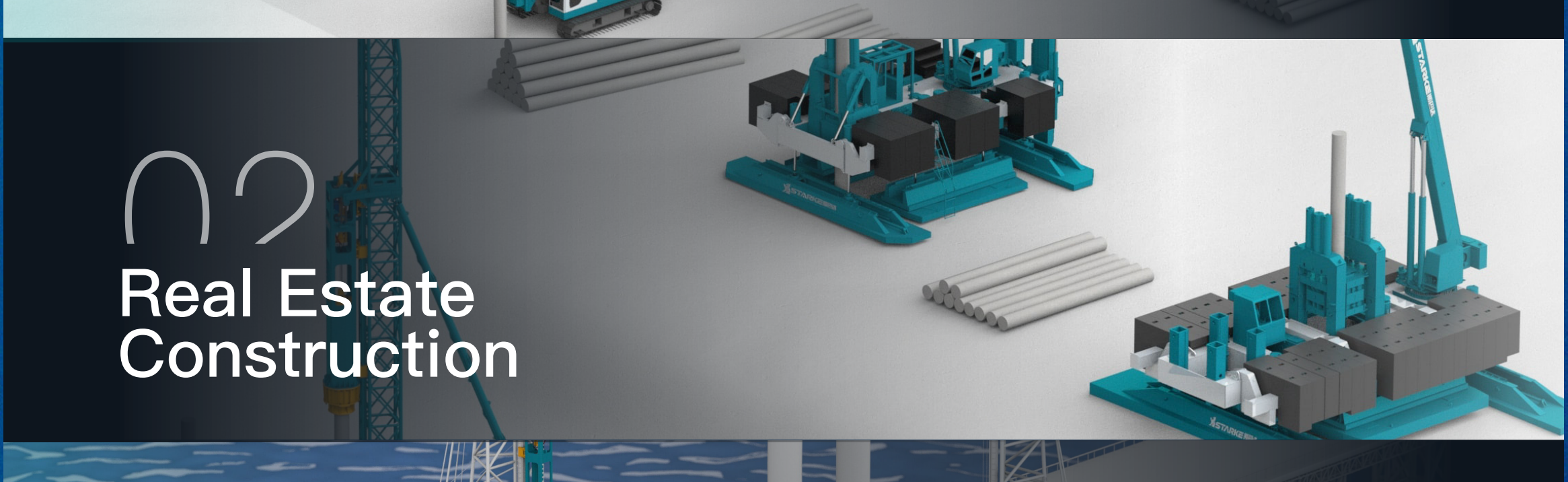
For 30 years we did not stop our foot step on innovation. Improving product quality and customer service is our key purpose. Not only we are the market leader for piling hammers in China, our products have also been well sold in international market, with over 30 countries already using STARKE's equipment, throughout North & South America, the Southeast Asia counties, the Middle East countries, Africa and to Europe.

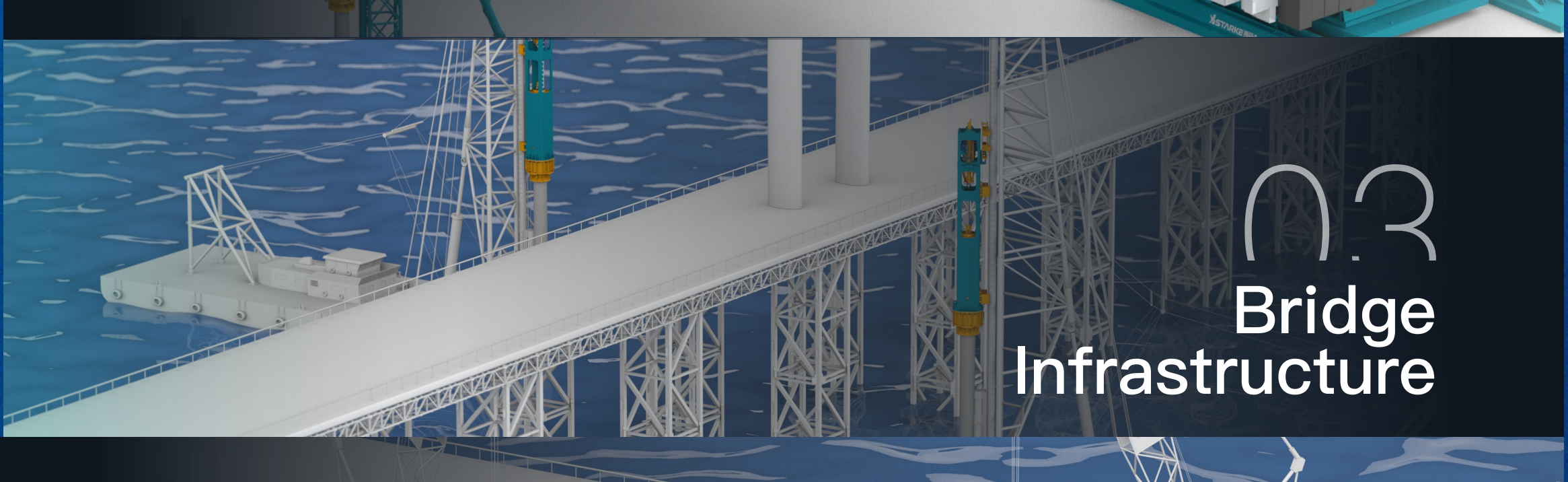
We have obtained the ISO9001 certificate in 2000 and CE certificate for diesel hammers and hydraulic impact hammers.

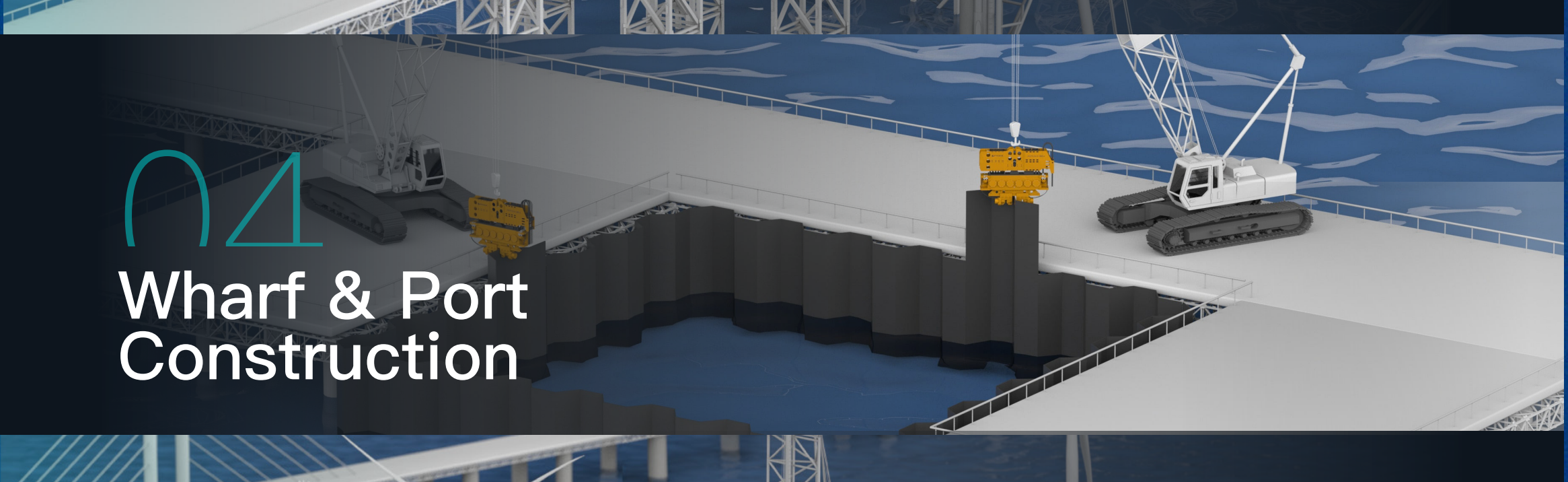
HYDRAULIC VIBRATORY HAMMER

Product Category

01 Municipal Construction


02 Real Estate Construction


03 Bridge Infrastructure


04 Wharf & Port Construction

05 Wind Power

06 Mine

Guangdong Liyuan Hydraulic Machinery Co., Ltd.

STARKE

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Chencun Town, Shunde, Foshan, Guangdong,
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