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juntan

Trusted Partner

Junttan has over 45 years of experience in developing and manufacturing the industry's leading piling equipment. Our piling product range comprises pile driving rigs, drilling rigs, as well as hydraulic impact and vibratory hammers, and power packs.

Our best-in-class product range helps us to offer personalized services to customers with varying requirements and develop customer-driven services.

We support our customers around the world with a wide range of services such as spare parts, maintenance services, modernization, and digital services. We help our customers to make the most out of their piling equipment investment by ensuring that they have the topnotch machines and tools to do their job in the best possible way, no matter where in the world their next site may be.

Right Solution for Every Deep Foundation Project

During our long history, Junttan has established a solid position in a wide variety of piling projects around the world. With a strong experience of demanding projects Junttan is able to provide solutions for all your pile foundation and soil improvement needs.



Always Close By

Wherever your construction projects may take you, rest assured.

The Junttan service network is close to you by offering a wide range of professional services to meet all your needs. Throughout the service life of your Junttan machinery, we help you to keep it in the best possible condition and able to withstand even the most demanding challenges and operating environments.

We are confident that Junttan products and services will lead to a life-long partnership.

That's why we are with you during every step of your Junttan Life, right from the very first contact. Junttan Life is all about profitable, safe, effortless, and reliable partnership. You can focus on running your business while we take care of your Junttan equipment.

A key part of Junttan Life is our digital services that ensure effortless and carefree workflow. Junttan Life Portal gathers all the digital information and services in one easy-to-use and comprehensive web site.



Optimised Junttan Life cycle

Pile Driving Rigs

The advanced technical performance and a full range of customisation alternatives are the core elements of every Junttan pile driving rig. In addition to leading reliability and productivity at work, these machines feature a collection of thoroughly considered details, which further enhance the operational efficiency.

The safety and comfort of the operator is one of our fundamental priorities. The Junttan pile driving rigs have been designed to ensure top-notch practicality as well as a minimal amount of noise and vibration. Thanks to the lesser amount of harmful emissions, they are also more eco-friendly than conventional diesel hammers and mechanical piling rigs. Furthermore, Junttan takes one step ahead in the pursuit of a sustainable future with the fully battery powered electric pile driving rigs, eJunttans, raising the bar to yet another level. Built as the same reliable and strong Junttan rigs, but this time having a modern electric soul with no local CO^2 emissions.





Key Features

- Advanced technical performance
- Reliability, productivity, and operational efficiency
- Minimal noise and vibration
- Fewer harmful emissions
- Easy transportation

X-Series | MODEL	PMx22	PMx2e (ELECTRIC)	PMx24	PMx4e (ELECTRIC)
AVERAGE WORKING WEIGHT	64 000 kg (141 100 lb)	64 000 kg (141 100 lb)	68 000 kg (149 900 lb)	68 000 kg (149 900 lb)
LEADER CAPACITY	16 000 kg (35 300 lb)	16 000 kg (35 300 lb)	18 000 kg (39 700 lb)	18 000 kg (39 700 lb)
RECOMMENDED HAMMER SIZE	3–6 tons (6 000–13 000 lb)	3–6 tons (6 000–13 000 lb)	5-7 tons (11 000–15 000 lb)	5-7 tons (11 000–15 000 lb)
MAX PILE LENGTH	20 m (66 ft)	20 m (66 ft)	24 m (78 ft)	24 m (78 ft)
ENGINE POWER (US TIER 4F / EU STAGE V)	231 kW (310 hp)	Electric motor 266 kW (357 hp)	231 kW (310 hp)	Electric motor 266 kW (357 hp)
WINCH CAPACITY, PILE:	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)
WINCH CAPACITY, HAMMER:	11 000 kg (24 300 lb)	12 000 kg (26 500 lb)	12 000 kg (26 500 lb)	12 000 kg (26 500 lb)
UNDERCARRIAGE, LENGTH:	5 100 mm (200 in)	5 100 mm (200 in)	5 100 mm (200 in)	5 100 mm (200 in)
UNDERCARRIAGE: WIDTH (900 SHOES)	3 200–4 700 mm (126–185 in)	3 200–4 700 mm (126–185 in)	3 200–4 700 mm (126–185 in)	3 200–4 700 mm (126–185 in)

X-Series | MODEL	PMx25	PMx26	PMx28
AVERAGE WORKING WEIGHT	70 000 kg (154 300 lb)	82 000 kg (180 800 lb)	90 000 kg (198 000 lb)
LEADER CAPACITY	18 000 kg (39 700 lb)	20 000 kg (44 000 lb)	30 000 kg (66 100 lb)
RECOMMENDED HAMMER SIZE	5–7 tons (11 000–15 000 lb)	6–8 tons (13 000–18 000 lb)	7-12 tons (15 400–26 400 lb)
MAX PILE LENGTH	24 m (78 ft)	24 m (78 ft)	28 m (91 ft)
ENGINE POWER (US TIER 4F / EU STAGE V)	231 kW (310 hp)	321 kW (430 hp)	321 kW (430 hp)
WINCH CAPACITY, PILE:	10 000 kg (22 000 lb)	12 000 kg (26 500 lb)	12 000 kg (26 500 lb)
WINCH CAPACITY, HAMMER:	13 000 kg (28 660 lb)	20 000 kg (44 000 lb)	20 000 kg (44 000 lb)
UNDERCARRIAGE, LENGTH:	5 700 mm (225 in)	5 700 mm (225 in)	5 700 mm (225 in)
UNDERCARRIAGE, WIDTH (900 SHOES):	3 200–4 700 mm (126–185 in)	3200–4700 mm (126–185 in)	3 380–4 880 mm (133–192 in)

Evolution | PM5	STANDARD	LONG	EXTENDED
AVERAGE WORKING WEIGHT	78 000 kg (172 000 lb)	80 000 kg (176 000 lb)	82 000 kg (181 000 lb)
LEADER CAPACITY	25 000 kg (55 000 lb)	25 000 kg (55 000 lb)	25 000 kg (55 000 lb)
RECOMMENDED HAMMER	HHK/SHK5/7/9	HHK/SHK5/7/9	HHK/SHK5/7/9/10
MAX PILE LENGTH	20 m (65 ft)	24 m (78 ft)	27 m (88 ft)
ENGINE POWER (US TIER 4F / EU STAGE V)	315 kW (428 hp)	315 kW (428 hp)	315 kW (428 hp)
WINCH CAPACITY, PILE:	13 000 kg (22 046 lb)	13 000 kg (22 046 lb)	13 000 kg (22 046 lb)
WINCH CAPACITY, HAMMER:	20 000 kg (44 000 lb)	20 000 kg (44 000 lb)	20 000 kg (44 000 lb)
UNDERCARRIAGE, LENGTH:	5 640 mm (222 in)	5 640 mm (222 in)	5 640 mm (222 in)
UNDERCARRIAGE, WIDTH (900 SHOES):	3 380–4 880 mm (133–192 in)	3 380–4 880 mm (133–192 in)	3 380–4 880 mm (133–192 in)

Classic Series | MODEL	PM16	PM23LC (LONG REACH BOOM)	PM25H
AVERAGE WORKING WEIGHT	37 000 kg (81 570 lb)	65 000 kg (143 300 lb)	78 000 kg (172 000 lb)
LEADER CAPACITY	12 000 kg (26 400 lb)	14 000 kg (30 900 lb)	20 000 kg (44 000 lb)
RECOMMENDED HAMMER SIZE	3–4 tons (6 000–9 000 lb)	3–5 tons (6 000–11 000 lb)	5–9 tons (11 000–19 000 lb)
MAX PILE LENGTH	16 m (52 ft)	20 m (66 ft)	25 m (82 ft)
ENGINE POWER (US TIER 4F / EU STAGE V)	129 kW (173 hp)	231 kW (310 hp)	286 kW (384 hp) / 272 kW (365 hp)
WINCH CAPACITY, PILE:	5 000 kg (11 000 lb)	8 000 kg (17 600 lb)	10 000 kg (22 000 lb)
WINCH CAPACITY, HAMMER:	8 000 kg (17 600 lb)	10 000 kg (22 000 lb)	16 500 kg (36 400 lb)
UNDERCARRIAGE, LENGTH:	4 460 mm (181 in)	5 700 mm (225 in)	5 700 mm (225 in)
UNDERCARRIAGE, WIDTH (900 SHOES):	3 000–4 000 mm (118–157 in)	3 200–4 700 mm (126–185 in)	3 380–4 880 mm (133–192 in)

Hydraulic Impact Hammers

Utilising industry-leading technology and know-how, the Junttan hydraulic impact hammers will make the most of the available opportunities, at every construction site. As up to 95 per cent of the hammer's energy is transferred to the pile and its progress, the pile installation can take place with optimal efficiency – not only when it comes to energy, but also time and costs as well.

The Junttan hammers are manufactured with a keen eye on sustainable development. As a result, they create less noise and vibration and fewer emissions than conventional hammers. A smooth installation process helps ensure that everything takes place with as little impact on the environment as possible.

By gaining a comprehensive understanding to achieve the evolving, ambitious goals of modern construction business, we have tested and developed our hammers to provide the best possible performance under all conditions. Our versatile selection of equipment ensures that for every construction challenge, the ideal solution can be found.



Classic Series | MODEL	HHK3S	HHK5S	HHK6S	HHK5/7S	HHK5/7/9S
RAM BLOCK WEIGHT	3 000 kg (6 614 lb)	5 000 kg (11 000 lb)	6 000 kg (13 200 lb)	7 000 kg (15 450 lb)	9 000 kg (19 850 lb)
MAX ENERGY	44 kNm (32 450 ft-lb)	74 kNm (54 266 ft-lb)	88 kNm (64 907 ft-lb)	103 kNm (75 971 ft-lb)	132 kNm (97 679 ft-lb)
STROKE	1 500 mm (4.92 ft)	1 500 mm (5 ft)	1 500 mm (4.92 ft)	1 500 mm (5 ft)	1 500 mm (5 ft)
BLOWS PER MINUTE	30–100	30–100	30–100	30–100	30–100
HAMMER WEIGHT	5 650 kg (12 456 lb) *	7 900 kg (17 500 lb) *	11 200 kg (24 640 lb) *	10 400 kg (23 000 lb) *	12 900 kg (28 500 lb) *

Classic Series | MODEL	HHK10S	HHK10/12S	HHK10/12/14S	HHK10/12/14/16S	HHK16/20S
RAM BLOCK WEIGHT	10 000 kg (22 050 lb)	12 000 kg (26 450 lb)	14 000 kg (30 850 lb)	16 000 kg (35 250 lb)	20 000 kg (44 100 lb)
MAX ENERGY	147 kNm (87 032 ft-lb)	177 kNm (130 914 ft-lb)	206 kNm (151 893 ft-lb)	235 kNm (173 592 ft-lb)	294 kNm (216 990 ft-lb)
STROKE	1 500 mm (5 ft)	1 500 mm (5 ft)	1 500 mm (5 ft)	1 500 mm (5 ft)	1 500 mm (5 ft)
BLOWS PER MINUTE	30–100	30–100	30–100	30–100	30–100
HAMMER WEIGHT	16 200 kg (35 700 lb)	19 000 kg (41 900 lb)	21 800 kg (48 772 lb)	24 400 kg (53 800 lb)	28 300 kg (62 400 lb)

Classic Series | MODEL	HHK25S	HHK25/28S	HHK25/30S
RAM BLOCK WEIGHT	25 000 kg (55 100 lb)	28 000 kg (61 750 lb)	30 000 kg (66 150 lb)
MAX ENERGY	368 kNm (271 238 ft-lb)	400 kNm (295 025ft-lb)	441 kNm (325 265 ft-lb)
STROKE	1 500 mm (5 ft)	1 500 mm (5 ft)	1 500 mm (5 ft)
BLOWS PER MINUTE	30–100	30–100	30–100
HAMMER WEIGHT	40 700 kg (90 000 lb)	45 400 kg (100 000 lb)	48 000 kg (106 000 lb)

Classic Series | MODEL	HHK16SB	HHK16/20SB	HHK25SB	HHK25/28SB	HHK25/30SB
RAM BLOCK WEIGHT	16 000 kg (35 250 lb)	20 000 kg (44 100 lb)	25 000 kg (55 100 lb)	28 000 kg (61 750 lb)	30 000 kg (66 150 lb)
MAX ENERGY	262 kNm (193 241 ft-lb)	320 kNm (236 019 ft-lb)	400 kNm (295 025 ft-lb)	450 kNm (331 903 ft-lb)	500 kNm (368 781 ft-lb)
STROKE	1 500 mm (5 ft)	1 500 mm (5 ft)	1 500 mm (5 ft)	1 500 mm (5 ft)	1 500 mm (5 ft)
BLOWS PER MINUTE	30–100	30–100	30–100	30–100	30–100
HAMMER WEIGHT	23 200 kg (65 468 lb)	28 300 kg (62 400 lb)	40 700 kg (90 000 lb)	45 400 kg (100 000 lb)	48 000 kg (106 000 lb)

* Excluding cap and sleeve

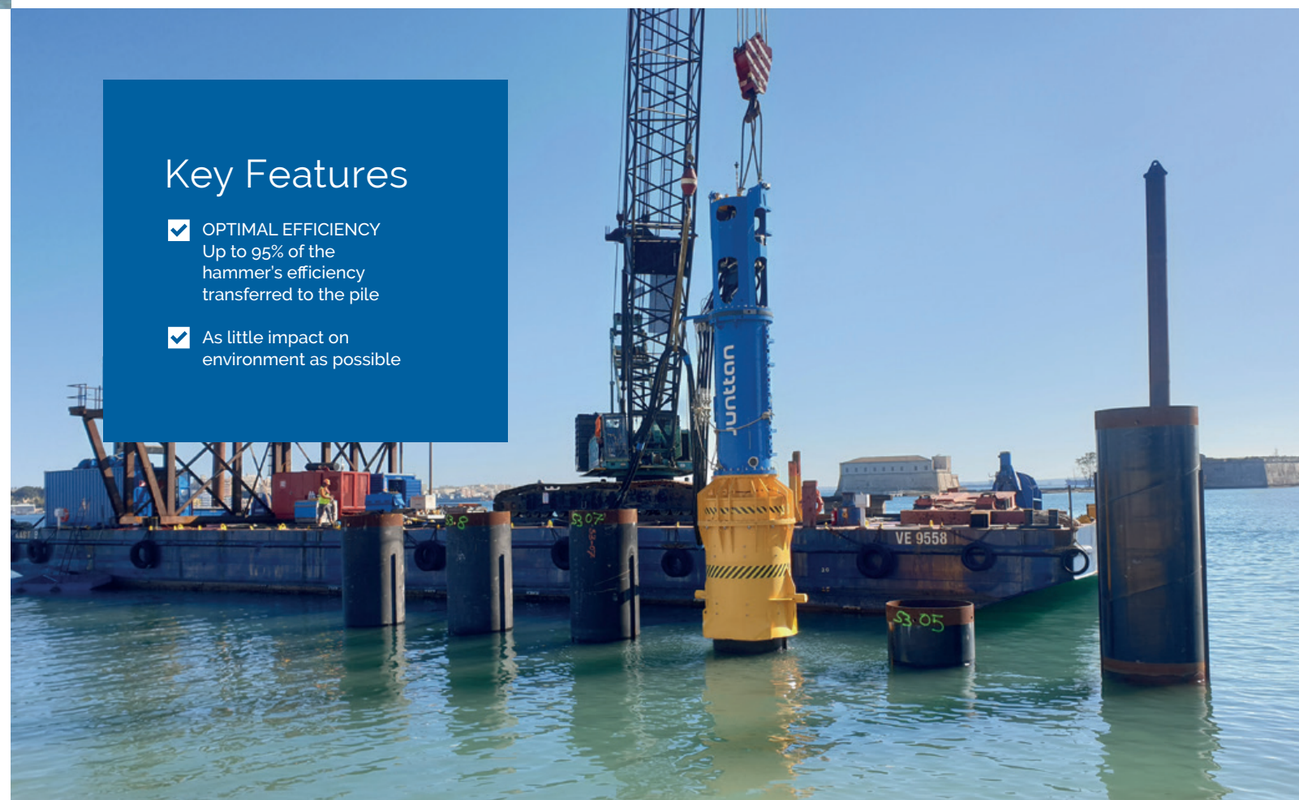
X-Series | MODEL	HHX160	HHX210	HHX250	HHX300	HHX350	HHX500
RAM BLOCK WEIGHT	9 910 kg (21 850 lb)	14 140 kg (31 200 lb)	16 260 kg (35 850 lb)	20 510 kg (45 200 lb)	22 610 kg (49 850 lb)	28 860 kg (63 625 lb)
MAX ENERGY	160 kNm (118 000 ft-lb)	210 kNm (154 888 ft-lb)	250 kNm (184 390 ft-lb)	300 kNm (221 268 ft-lb)	350 kNm (258 147 ft-lb)	500 kNm (368 781 ft-lb)
STROKE	1 000 mm (3 ft)	1 000 mm (3 ft)	1 000 mm (3 ft)	1 000 mm (3 ft)	1 000 mm (3 ft)	1200 mm (4 ft)
BLOWS PER MINUTE	60-180	60-180	50-150	50-150	50-150	40/50–150
HAMMER WEIGHT	19 400 kg (42 750 lb) *	25 600 kg (56 450 lb) *	28 800 kg (63 500 lb) *	34 800 kg (76 700 lb) *	37 600 kg (82 900 lb) *	46700 kg (102 956 lb) *

X-Series | MODEL	SHK3	SHK4	SHK5	SHK6	SHK7	SHK9
RAM BLOCK WEIGHT	3 000 kg (6 614 lb)	4 000 kg (8 800 lb)	5 000 kg (11 000 lb)	6 000 kg (13 200 lb)	7 000 kg (15 400 lb)	9 000 kg (19 800 lb)
MAX ENERGY	36 kNm (29 607 ft-lb)	49 kNm (35 876 ft-lb)	61 kNm (44 845 ft-lb)	73 kNm (53 814 ft-lb)	89 kNm (65 621 ft-lb)	119 kNm (87 740 ft-lb)
STROKE	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)
BLOWS PER MINUTE	50–140+	50–140+	50–140+	50–140+	50–140+	50–140+
HAMMER WEIGHT	6 920 kg (15 256 lb)	8 120 kg (17 902 lb)	9 250 kg (20 393 lb)	10 430 kg (22 994 lb)	11 730 kg (25 860 lb)	14 800 kg (32 560 lb)

Classic Series | MODEL	HHK3A	HHK4A	HHK5A	HHK6A	HHK7A	HHK9A
RAM BLOCK WEIGHT	3 000 kg (6 614 lb)	4 000 kg (8 800 lb)	5 000 kg (11 000 lb)	6 000 kg (13 200 lb)	7 000 kg (15 400 lb)	9 000 kg (19 800 lb)
MAX ENERGY	35 kNm (26 070 ft-lb)	47 kNm (34 718 ft-lb)	59 kNm (43 398 ft-lb)	71 kNm (52 078 ft-lb)	82 kNm (60 757 ft-lb)	106 kNm (78 116 ft-lb)
STROKE	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)
BLOWS PER MINUTE	40–100	40–100	40–100	40–100	40–100	40–100
HAMMER WEIGHT	6 000 kg (13 228 lb)	7 200 kg (15 873 lb)	8 400 kg (18 519 lb)	9 500 kg (20 994 lb)	11 000 kg (24 251 lb)	13 500 kg (29 762 lb)

Key Features

- OPTIMAL EFFICIENCY Up to 95% of the hammer's efficiency transferred to the pile
- As little impact on environment as possible



Power Packs

The Junttan Power packs are ready for use quickly, and the low noise level further enhances their user-friendliness. They are compact, yet powerful pieces of equipment that can conveniently be transported from one construction site to another.

The Junttan Power packs are designed to be used with hammers, rotary heads, and vibrators. The compact structure and remote control possibility enable them to be used ranging from simple to highly demanding situations, and you to get the most out of your hammer.

By efficiently combining the sheer power with the ability to perform, Power packs are able to ensure the most effective, reliable, and flawless flow throughout the piling process. Thanks to their easy handling, excellent durability, and first-class fuel economy, the Junttan Power packs enable optimal functionality even in the most demanding conditions.

Hydraulic Power Packs for Impact Hammers

X-Series | MODEL	15XCU	20XCU
ENGINE POWER (US TIER 4F/EU STAGE V)	321 kW (430 hp)	503 kW (675 hp)
MAX OPERATING PRESSURE	350 bar (5 076 PSI)	350 bar (5 076 PSI)
HYDRAULIC OIL TANK	1 000 l (264 gal)	1 500 l (396 gal)
FUEL TANK	660 l (174 gal)	900 l (238 gal)
OIL FLOW MAX	760 l/min (200 gpm)	1040 l/min (275 gpm)
CONTROL SYSTEM	X-control / pile cruise	X-control / pile cruise
WEIGHT	5 900 kg (12 980 lb)	8 700 kg (19 140 lb)

Key Features

- Fuel economy
- Excellent durability
- Easy handling





EVOLUTION

DR5

Experience the Future of Drilling

Set on a new era of piling innovation with the new Junttan Evolution series, where cutting-edge technology meets unparalleled performance. Taking the lead in this revolutionary line-up is the DR5 drilling rig, Junttan's latest innovation in drilling rig technology designed for both FDP (Full Displacement Piling) and CFA (Continuous Flight Auger) applications.

With best-in-class capacity, single-pass drilling performance, and seamless transportation and setup, this modular rig sets a new standard in efficiency and versatility. Engineered for operator comfort and equipped with top-of-the-line safety features and modern automation assistants; including a SIL-based control system, drilling, concreting, and stability assistants, the DR5 ensures optimal performance and peace of mind on every job site.

Key Features

- Class-leading single-pass drilling performance
- Transported as a complete, work-ready unit
- Swift and effortless rig setup via remote control
- Top-tier cabin and operator interface for unparalleled user experience







AVERAGE WORKING WEIGHT:
69 000-74 000 kg
(152 000-163 000 lb)

MAX TORQUE:
300 kNm

DRILLING DEPTH:
21-29 m
(69-95 ft)

Technical Data

LEADER

TYPE		DR5
LENGTH	LEADER SECTIONS	4 + 3 + 16,5 + 5,2 m (3.1 + 9.8 + 54.1 + 17.1 ft)
	TOTAL LENGTH	26,4–34,2 m (86.6–112.2 ft)
MAXIMUM CAPACITY		25 000 kg (55 116 lb)
MOVEMENTS	VERTICAL	1 500 mm (59 in)
	HORIZONTAL	1 500 mm (59 in)
INCLINATIONS	ACCORDING TO SEPARATE CAPACITY TABLES	18,4° forward / 15° side / 45° backwards

JIB / AUXILIARY WINCH

LIFTING CAPACITY		5 000 kg (11 023 lb)
TURNING RADIUS		270 °

UPPERCARRIAGE

WINCHES	SINGLE LINE PULL, 1ST LAYER	
	MAIN WINCH 1	20 000 kg (44 092 lb)
	MAIN WINCH 2	13 000 kg (28 660 lb)
	3RD WINCH	10 000 kg (22 046 lb)
ENGINE	TYPE	VOLVO TAD1385VE
	MAX POWER	405 kW (543 hp)
	FUEL TANK	800 l (211 gal)
HYDRAULIC SYSTEM	MAX FLOW	2 x 380 + 290 l/min (2 x 100 + 77 gal)
	MAX PRESSURE	380 bar (5 511 psi)
	OIL TANK	780 l (206 gal)
COUNTERWEIGHT	FIXED	Max. 4 x 3000 kg (6 614 lb)

UNDERCARRIAGE

CRAWLER LENGTH		5 660 mm (223 in)
WIDTH (900 SHOES)	MIN.	3 380 mm (133 in)
	MAX.	4 880 mm (192 in)
TRACK SHOES	WIDTH	900 mm (35 in)



Junttan Rentals and Leasing

Reducing fixed costs and lowering the risk-level of your construction business can be a key-factor for your success. For us at Junttan our main goal is, that our customers succeed in whatever project they are working on. To increase your profitability and to help your company grow, we have launched a new way of using Junttan products: Junttan Rentals and Leasing.

The Benefits of Junttan Rentals

- ☑ No fixed costs, just pay for the time you need the equipment.
- ☑ Always safe, efficient and modern equipment.
- ☑ Save time and money, we will take care of insurances, logistics and all other additional services that you need.
- ☑ Renting is green. It lessens harmful emissions, reduces the quantity of equipment needed and is more energy efficient than owning a piece of equipment.
- ☑ By renting equipment, you avoid the excessive investment burden and maintenance costs, both of which increase the overall cost of your project.



The Benefits of Junttan Leasing

If you want to buy a Junttan product, but do not want to invest any capital at once. Junttan Rental can also offer you leasing services, that help you to cut your need of capex.

- ☑ No capital expenditure
- ☑ Always modern equipment
- ☑ Maintenance costs can be included into the leasing agreement
- ☑ A lighter balance sheet

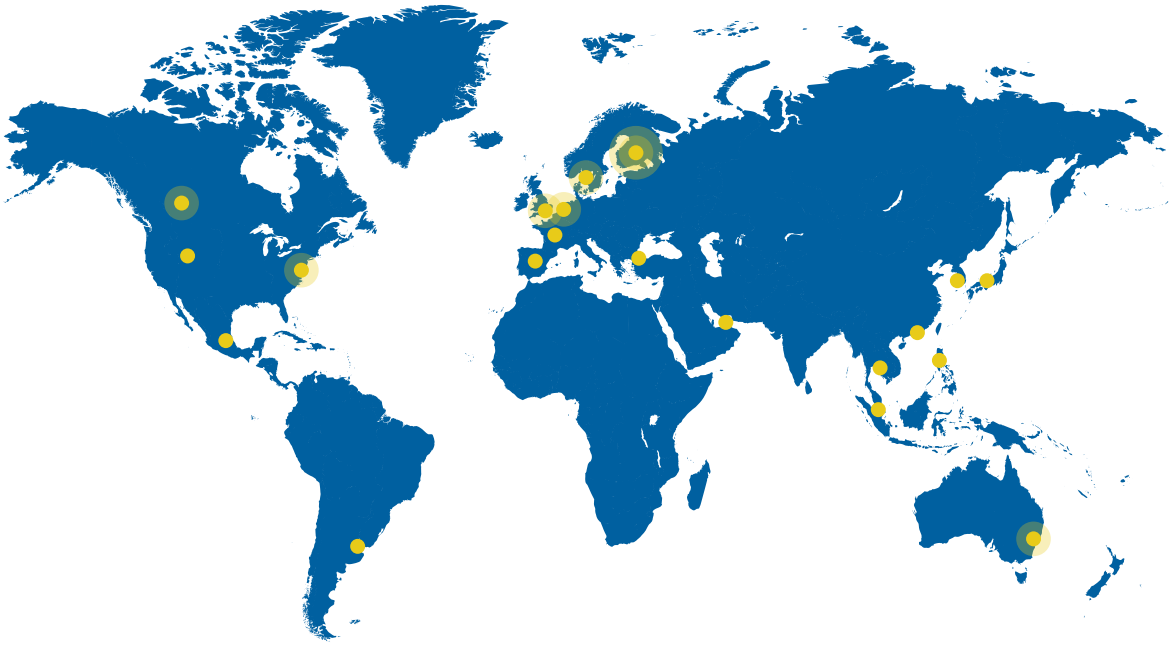




Further information:
rental@junttan.com

At Your Service

Combining state-of-the-art piling machinery with uncontested customer service and sheer determination to do everything there is to do to help customers succeed, Junttan can improve also your operational efficiency.



FIND YOUR NEAREST JUNTTAN PROFESSIONAL HERE:
junttan.com/contact-us

FOR FURTHER INFORMATION, PLEASE CONTACT:
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