

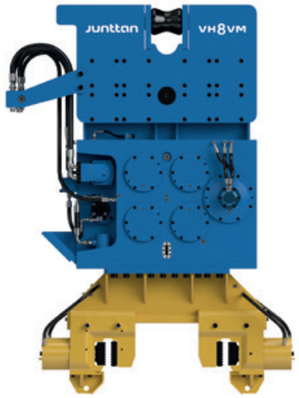
JUNTTAN VIBRATORY HAMMERS

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Junttan Vibratory Hammers

Discover the capabilities of Junttan free-hanging vibro hammers

Designed to enhance your deep foundation projects, our advanced vibratory hammers combine cutting-edge technology and great build quality for outstanding performance. Whether you're working in tight urban spaces or challenging terrains, our versatile range of crane-suspended vibro hammers ensures efficient and precise driving and extracting. With durable components and seamless operation, Junttan vibratory hammers set new industry standards, enabling you to achieve greater productivity and success on every job. Trust Junttan's commitment to quality and innovation to elevate your deep foundation projects to new heights.



Unleash the power

Engineered with precision and reliability in mind, our state-of-the-art equipment is designed to tackle tough and challenging site conditions. With user-friendly features and intuitive controls, operating our vibratory hammers is a breeze, allowing you to focus on the task at hand. Boost your productivity and achieve exceptional results with Junttan vibratory hammers, the trusted choice for construction professionals worldwide.



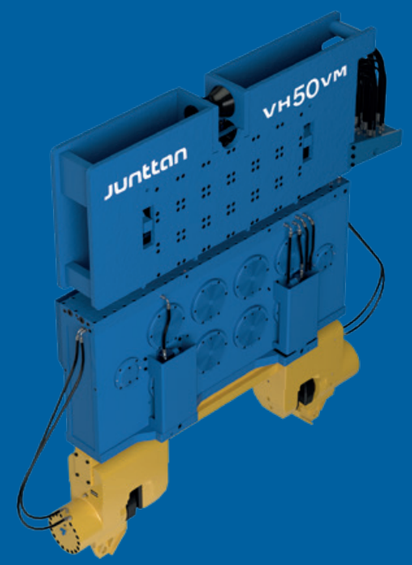
An eye on quality

At Junttan, our commitment to quality shines through in every aspect of our work. Our satisfied customers are proof of the exceptional value we provide. From contractors to construction companies, clients consistently express delight with the performance, durability, and ease of use of Junttan vibratory hammers. Join our community of happy customers and experience the difference between working with Junttan for your construction needs.



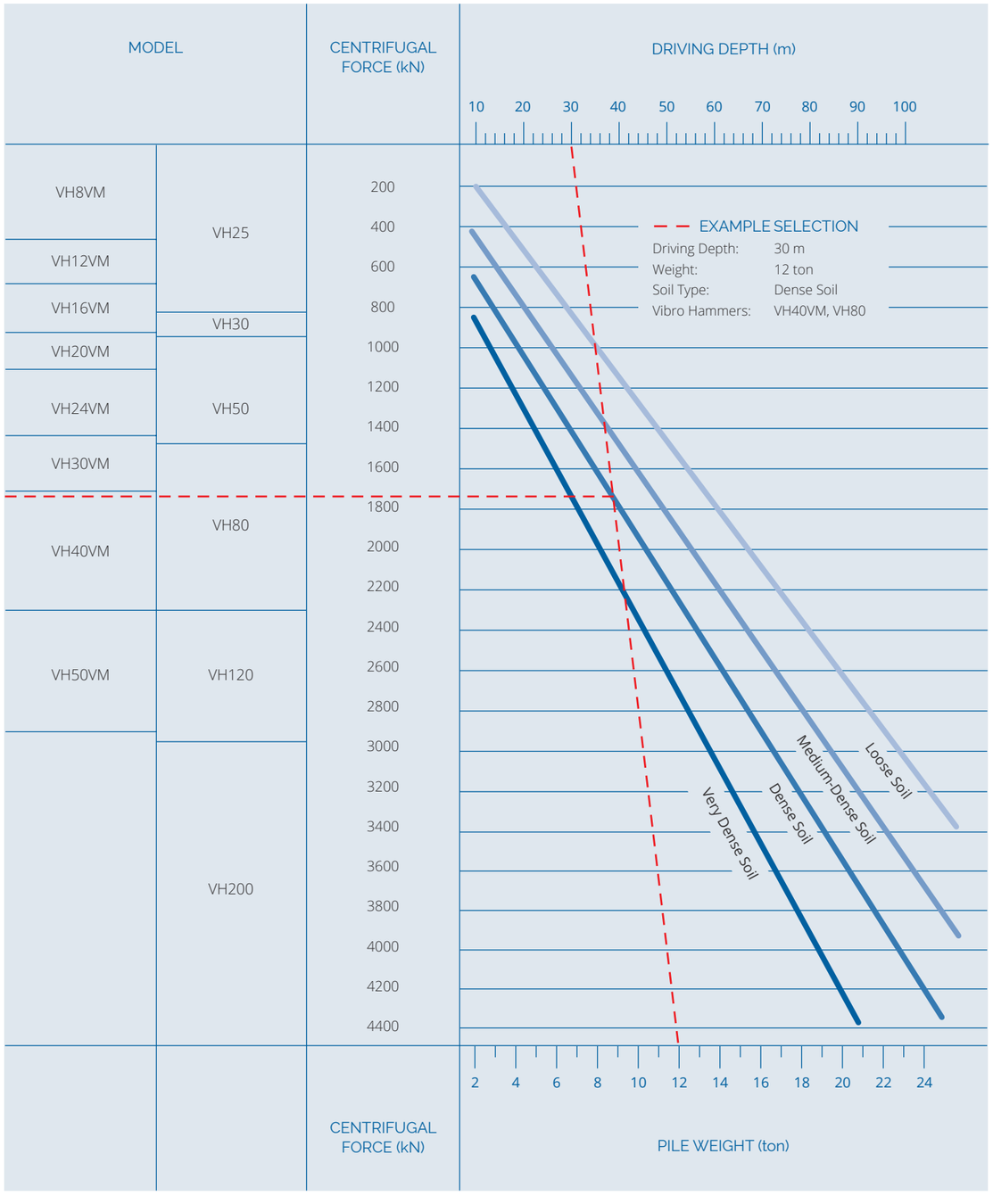


For various ground conditions and depths, long-lasting, powerful and high-performance vibratory driver and extractor.



Solutions for Your Projects

Free-Hanging Vibratory Hammer Selection Chart





Principle of Vibratory Hammer with Variable Moment

NO RESONANCE

Eccentric Masses in Balance State

The phase shifter changes the position of eccentric masses to the balance situation by remote control or control panel which means no resonance.

ADJUSTING PHASE

Eccentric masses shifting to unbalance state from Balance State

The phase shifter changes the position of eccentric masses from 0° to 180° so that the vibratory pile driver can work at maximum amplitude.

FULL POWER

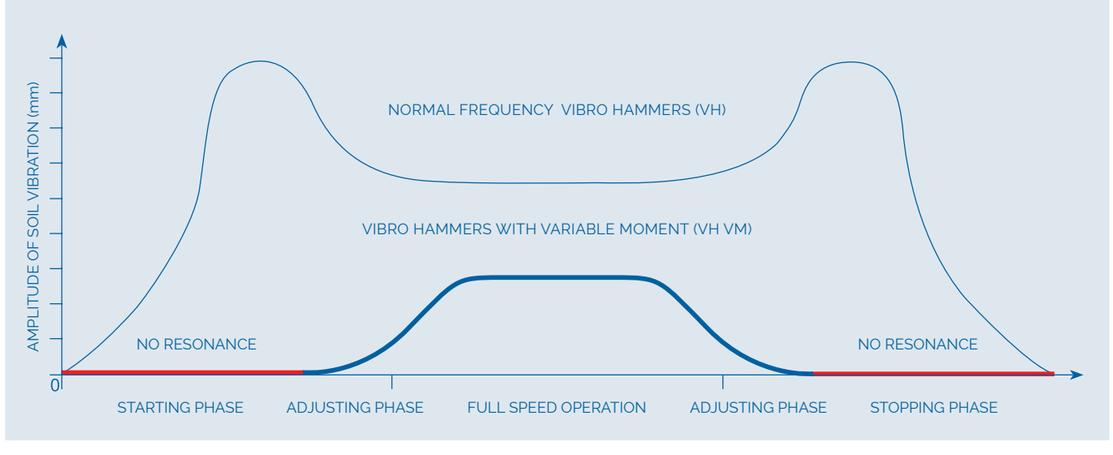
Eccentric Masses in Unbalance State

180° Full speed operation.







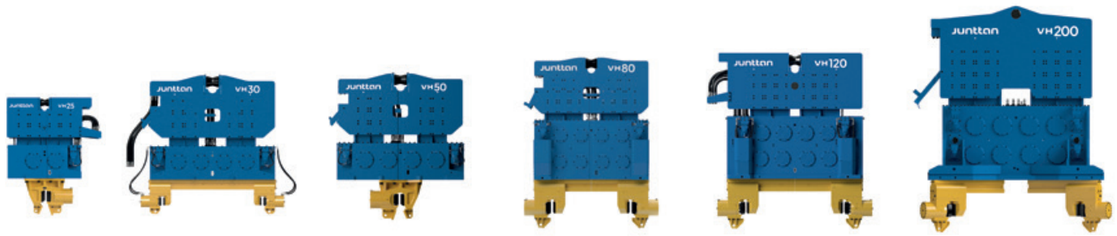


VH Models

Technical Specifications

Normal Frequency Vibratory Hammers

The Junttan normal frequency Vibratory Hammers (VH), is your go to solution for projects that demand exceptional force for driving or extracting. Unlocking the true power of innovation, Junttan presents a range of free-hanging vibratory hammers powered by the Junttan vibratory Power Pack series (PP series).



Metric System (Imperial system)

TECHNICAL SPECIFICATIONS	VH25	VH30	VH50	VH80	VH120	VH200
ECCENTRIC MOMENT (KGM / IN.LBS)	25 (2170)	32.6 (2830)	50.2 (4357)	82.3 (7143)	120 (10416)	203.2 (17637)
CENTRIFUGAL FORCE (KN / TONS)	795 (89)	1036 (116)	1409 (159)	2310 (260)	2846 (320)	4380 (493)
FREQUENCY (RPM)	1700	1700	1600	1600	1480	1400
OIL FLOW (LPM / GPM)	366 (97)	421 (111)	605 (160)	925 (244)	1122 (297)	1792 (474)
POWER (KW / HP)	195 (262)	243 (326)	352 (472)	540 (724)	598 (802)	1045 (1402)
AMPLITUDE (MM / IN)	22 (0.9)	24 (0.9)	24 (0.9)	27.5 (1.08)	26 (1)	19 (0.7)
PULLING FORCE (KN / TONS) MAX.	470 (53)	590 (66)	706 (80)	941 (106)	1059 (119)	1880 (212)
WEIGHT AND DIMENSIONS						
DYN. WEIGHT W/O CLAMP (KG / LBS)	2270 (5004)	2750 (6063)	4130 (9105)	6000 (13228)	9145 (20162)	21700 (47841)
TOTAL WEIGHT W/O CLAMP (KG / LBS)	3100 (6834)	4485 (9888)	6150 (13559)	8950 (19731)	12172 (26835)	26100 (57541)
LENGTH / L1 (MM / IN)	1998 (79)	2599 (102)	2650 (105)	2740 (108)	3315 (131)	3660 (144)
LENGTH / L2 (MM / IN)	1796 (71)	2420 (95)	2460 (97)	2500 (98)	3070 (121)	3350 (132)
LENGTH / L3 (MM / IN)	1848 (73)	2812 (111)	2848 (112)	2950 (116)	3390 (133)	–
HEIGHT / H1 (MM / IN)	1610 (63)	2034 (80)	2117 (84)	2675 (105)	2682 (106)	3620 (143)
HEIGHT / H2 (MM / IN)	2282 (90)	2704 (106)	2861 (113)	3765 (148)	3786 (149)	–
WIDTH / W1 (MM / IN)	371 (15)	364 (14)	384 (15)	408 (16)	455 (18)	493 (20)
WIDTH / W2 (MM / IN)	550 (22)	575 (23)	590 (23)	700 (28)	728 (29)	2070 (82)
WIDTH / W3 (MM / IN)	250 (10)	250 (10)	292 (12)	–	–	–
THROAT WIDTH (MM / IN)	360 (14.2)	350 (13.8)	360 (14.2)	360 (14.2)	430 (16.9)	800 (31.5)
SHEET PILE CLAMPS	SC120	SC120	SC165	SC200	SC350	–
CLAMPING FORCE (KN / TONS)	1216 (137)	1216 (137)	1700 (191)	2262 (254)	3560 (400)	–
WEIGHT (KG / LBS)	851 (1876)	851 (1876)	866 (1909)	1195 (2634)	2553 (5629)	–
TUBE / CASING CLAMBS	TC60 X 2	TC60 X 2	TC90 X 2	TC185 X 2	TC185 X 2	TC185 X 4
DIAMETER (MIN.-MAX.) / D (MM / IN)	340–1030 (14–41)	340–1900 (14–75)	460–1900 (18–75)	600–1650 (24-65)	520–2000 (21–83)	1000–3000 (40–118)
CLAMPING FORCE (KN / TONS)	643 x 2 (145)	643 x 2 (145)	890 x 2 (200)	1858 x 2 (418)	1858 x 2 (418)	1858 x 4 (836)
WEIGHT (KG / LBS)	307 x 2 (1354)	307 x 2 (1354)	538 x 2 (2372)	1164 x 2 (5133)	1164 x 2 (5133)	1164 x 4 (10264)
RECOMMENDED POWER PACK	PP400	PP700	PP700	PP900	PP1400	PP2000
POWER (KW / HP)	235 (320)	405 (551)	405 (551)	585 (796)	405 x 2 (551 x 2)	585 x 2 (796 x 2)



Key features

- Soil conditions from moderate to difficult driving conditions
- For driving and extracting tubular, sheet and H-piles
- Robust, proven design
- Easy handling with different clamping solutions

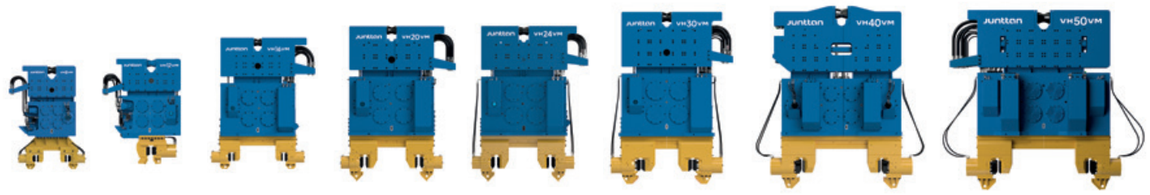


VH VM Models

Technical Specifications

Vibratory Hammers with Variable Moment

Ultimate control is achieved with the cutting-edge VH VM models (Vibratory Hammers with Variable Moment). The innovative variable motor allows for the adjustment of amplitude and eccentric moment for precise customization from minimum to maximum levels. Our innovative technology ensures that the position of the eccentric masses align with the start and stop of the vibration, eliminating resonance and enabling the vibration to reach its maximum frequency. Powered by Junttan vibratory Power Pack models (PP), the VH VM models significantly reduce disturbance to the surrounding soils, ensuring a smooth and efficient operation.



Metric System (Imperial system)

TECHNICAL SPECIFICATIONS	VH8VM	VH12VM	VH16VM	VH20VM	VH24VM	VH30VM	VH40VM	VH50VM
ECCENTRIC MOMENT (KGM / IN.LBS)	0–8 (0 – 695)	0–12 (0–1041)	0–16 (0–1389)	0–20 (0–1736)	0–24 (0–2083)	0–30 (0–2603)	0–40 (0–3472)	0–50 (0–4340)
CENTRIFUGAL FORCE (KN / TONS) MAX.	464 (52)	698 (79)	934 (105)	1166 (131)	1370 (154)	1746 (197)	2348 (264)	2923 (329)
FREQUENCY (RPM)	2300	2300	2300	2300	2300	2300	2300	2300
OIL FLOW (LPM / GPM)	237 (63)	362 (96)	492 (130)	500 (132)	675 (179)	767 (203)	934 (247)	1380 (365)
POWER (KW / HP)	138 (185)	211 (283)	287 (385)	292 (392)	394 (529)	448 (601)	548 (735)	805 (1080)
AMPLITUDE (MM / IN)	12 (0.5)	13 (0.5)	12 (0.5)	13 (0.5)	15 (0.6)	13 (0.5)	16 (0.6)	16 (0.6)
PULLING FORCE (KN) MAX.	147 (17)	235 (27)	235 (27)	471 (53)	471 (53)	706 (80)	942 (106)	1060 (120)
WEIGHT AND DIMENSIONS								
DYN. WEIGHT W/O CLAMP (KG / LBS)	1337 (2948)	1850 (4079)	2733 (6026)	3000 (6614)	3252 (7170)	4650 (10252)	5094 (11230)	6200 (13669)
TOTAL WEIGHT W/O CLAMP (KG / LBS)	1857 (4094)	2570 (5666)	3650 (8047)	4280 (9436)	4523 (9972)	6218 (13709)	7603 (16762)	8200 (18078)
LENGTH / L1 (MM / IN)	1280 (51)	1695 (67)	1945 (77)	2080 (82)	2080 (82)	2210 (87)	2797 (110)	2885 (114)
LENGTH / L2 (MM / IN)	1070 (42)	1395 (55)	1750 (69)	1840 (72)	1840 (73)	1990 (79)	2550 (100)	650 (105)
LENGTH / L3 (MM / IN)	895 (35)	1822 (72)	2084 (82)	2002 (79)	2002 (79)	1900 (75)	2849 (112)	2847 (112)
HEIGHT / H1 (MM / IN)	1566 (62)	1695 (67)	2002 (79)	2115 (83)	2115 (83)	2460 (97)	2616 (103)	1971 (78)
HEIGHT / H2 (MM / IN)	2312 (91)	2407 (95)	2785 (110)	3005 (118)	3005 (118)	3364 (133)	3701 (146)	2861 (113)
WIDTH / W1 (MM / IN)	300 (12)	301 (12)	315 (13)	380 (15)	388 (15)	388 (15)	384 (15)	384(15)
WIDTH / W2 (MM / IN)	471 (19)	485 (19)	659 (26)	635 (25)	655 (26)	729 (29)	841 (33)	950 (38)
WIDTH / W3 (MM / IN)	320 (13)	200 (8)	350 (14)	380 (15)	460 (18)	400 (16)	370 (15)	292 (12)
THROAT WIDTH (MM / IN)	320 (12.6)	320 (12.6)	314 (12.4)	360 (14.2)	360 (14.2)	390 (15.4)	360 (14.2)	350 (13.8)
SHEET PILE CLAMPS	**SC60**	**SC75/100**	**SC120**	**SC165**	**SC165**	**SC200**	**SC350**	**SC350**
CLAMPING FORCE (KN / TONS)	643 (73)	814/1005 (92/113)	1216 (137)	1700 (191)	1700 (191)	2262 (255)	3560 (400)	3560 (400)
WEIGHT (KG / LBS)	327 (721)	502/620 (1106/1367)	851 (1876)	866 (1909)	866 (1909)	1195 (2635)	2553 (5629)	2553 (5629)
TUBE / CASING CLAMBS	**TC40 X 2**	**TC40 X 2**	**TC60 X 2**	**TC80 X 2**	**TC90 X 2**	**TC120 X 2**	**TC165 X 2**	**TC185 X 2**
DIAMETER (MIN.-MAX.) / D (MM / IN)	320–700 (13–28)	320–970 (13–38)	340–1300 (14–51)	460–1260 (18–50)	460–1260 (18–50)	540–1500 (22–59)	520–1580 (21–63)	520–1700 (21–67)
CLAMPING FORCE (KN / TONS)	425 X 2 (96)	425 x 2 (96)	643 x 2 (145)	814 x 2 (183)	890 x 2 (200)	1216 x 2 (273)	1700 x 2 (382)	1858 x 2 (418)
WEIGHT (KG / LBS)	185 x 2 (815)	185 x 2 (815)	307 x 2 (1354)	538 x 2 (2372)	538 x 2 (2372)	948 x 2 (4180)	1164 x 2 (5133)	1164 x 2 (5133)
RECOMMENDED POWER PACK	**PP200**	**PP400**	**PP700**	**PP700**	**PP700**	**PP900**	**PP1400**	**PP2000**
POWER (KW / HP)	160 (218)	235 (320)	405 (551)	405 (551)	405 (551)	585 (796)	405 x 2 (551 x 2)	585 x 2 (796 x 2)

Key features

- Maximum performance with minimum ground vibration
- Ideal for urban job sites or in areas sensitive to vibration
- Resonance–free start and stop
- Ideal for sandy soils
- Optimal adaptation to soil conditions
- A wide range of clamping solutions



PP Series

Technical Specifications



Hydraulic Power Packs for Vibro Hammers

The cutting-edge Junttan vibratory hammer Power Packs are designed to redefine the way you work. Our intelligent control system ensures the system reaches its peak performance before the operation, maximizing efficiency and minimizing downtime. With a focus on durability, every component is built to last, providing a long and reliable service life. Experience the future of vibratory hammer technology with Junttan, where innovation meets reliability for unmatched results on your projects.

MODEL	ENGINE MODEL	POWER (KW/HP)	OIL FLOW MAX. (LPM/GPM)	PRESSURE MAX. (BAR /PSI)	OIL CAPACITY (L/GAL)	DIESEL TANK CAPACITY (L/GAL)	WEIGHT (KG/LB)
PP200 (W: 1610 x L: 3720 x H: 1740)							
Tier 3	VOLVO TAD552VE	160 / 218	232 / 61	350 / 5076	450 / 118	450 / 118	5400 / 11904
Stage V / Tier 4F	VOLVO TAD582VE	160 / 218	232 / 61	350 / 5076	450 / 118	450 / 118	5500 / 12125
PP400 (W: 1650 x l:4200 x H: 1840)							
Tier 3	VOLVO TAD853VE	235 / 320	460 / 121	350 / 5076	450 / 118	650 / 171	6400 / 14109
Stage V / Tier 4F	VOLVO TAD883VE	235 / 320	460 / 121	350 / 5076	450 / 118	650 / 171	6600 / 14550
PP700 (W: 1820 x l: 4520 x H: 2175)							
Tier 2	VOLVO TAD1345VE	315 / 428	729 / 192	350 / 5076	650 / 171	800 / 211	6600 / 14551
Stage V / Tier 4F	VOLVO TAD1385VE	405 / 551	729 / 192	350 / 5076	750 / 198	800 / 211	6700 / 14771
PP900 (W: 2030 x l: 5230 x H: 2210)							
Stage V / Tier 4F	VOLVO TWD1683VE	585 / 796	930 / 245	350 / 5076	1600 / 422	1100 / 290	8900 / 19621
PP1400 (W: 2445 x l: 6060 x H: 2590)							
Stage V / Tier 4F	2 x VOLVO TAD1385VE	810 / 1102	1460 / 385	350 / 5076	2800 / 739	1000 / 264	14000 / 30865
PP2000 (W: 2445 x l: 6060 x H: 2590)							
Stage V / Tier 4F	2 x VOLVO TWD1683VE	1170 / 1592	2000 / 528	350 / 5076	1200 / 317	1000 / 264	14000 / 30864



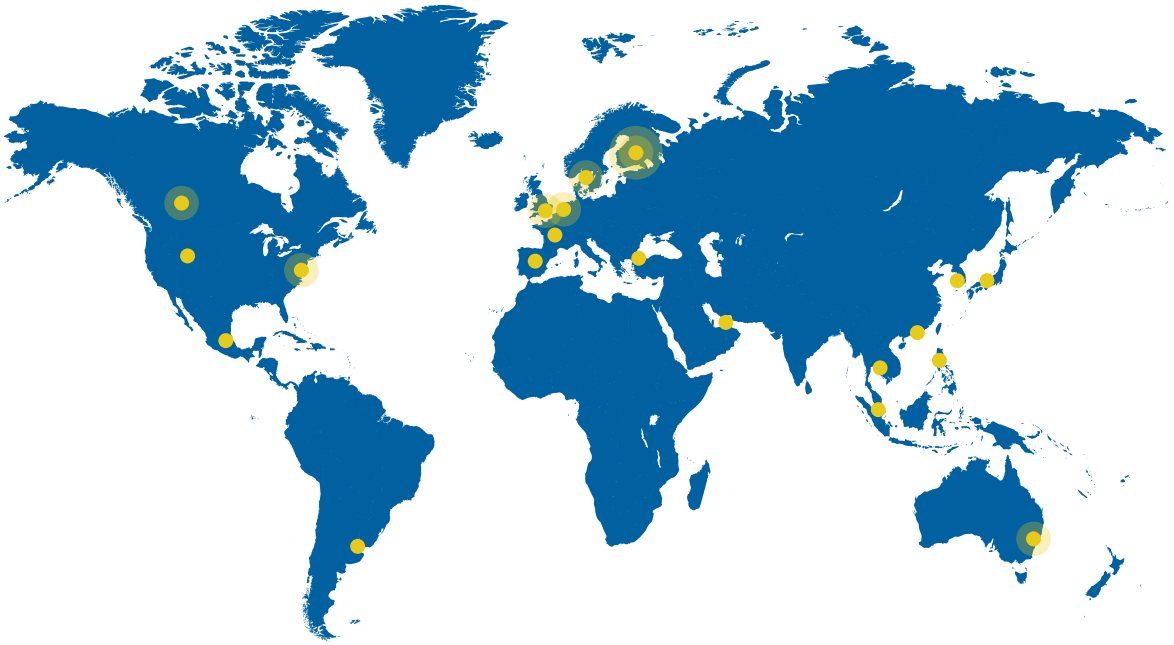
Key features

- Simple and user-friendly touch screen control panel
- Advanced diagnostic features
- Robust and reliable design using proven components
- Intelligent features like automatic heating cycle for hydraulic oils
- Easy to handle and transport with optimized lifting and stacking features



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:
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