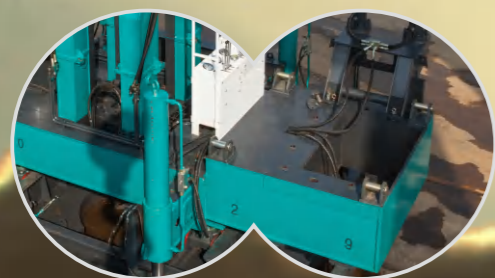


A Provider of Underground Works Solution Packages





A large counterweight area deployed at the tail, small in side pile spacing, and large in side pile driving fore



A long travel of pile driving



3-Point arrangement of a side-grip type side-grip pile driver for driving side piles, corner piles and lateral piles



Large in pile driving force, fast in driving speed, compact in structure, small in size, flexible, and convenient



Work facing pile positions during driving center piles and side piles to facilitate the observation



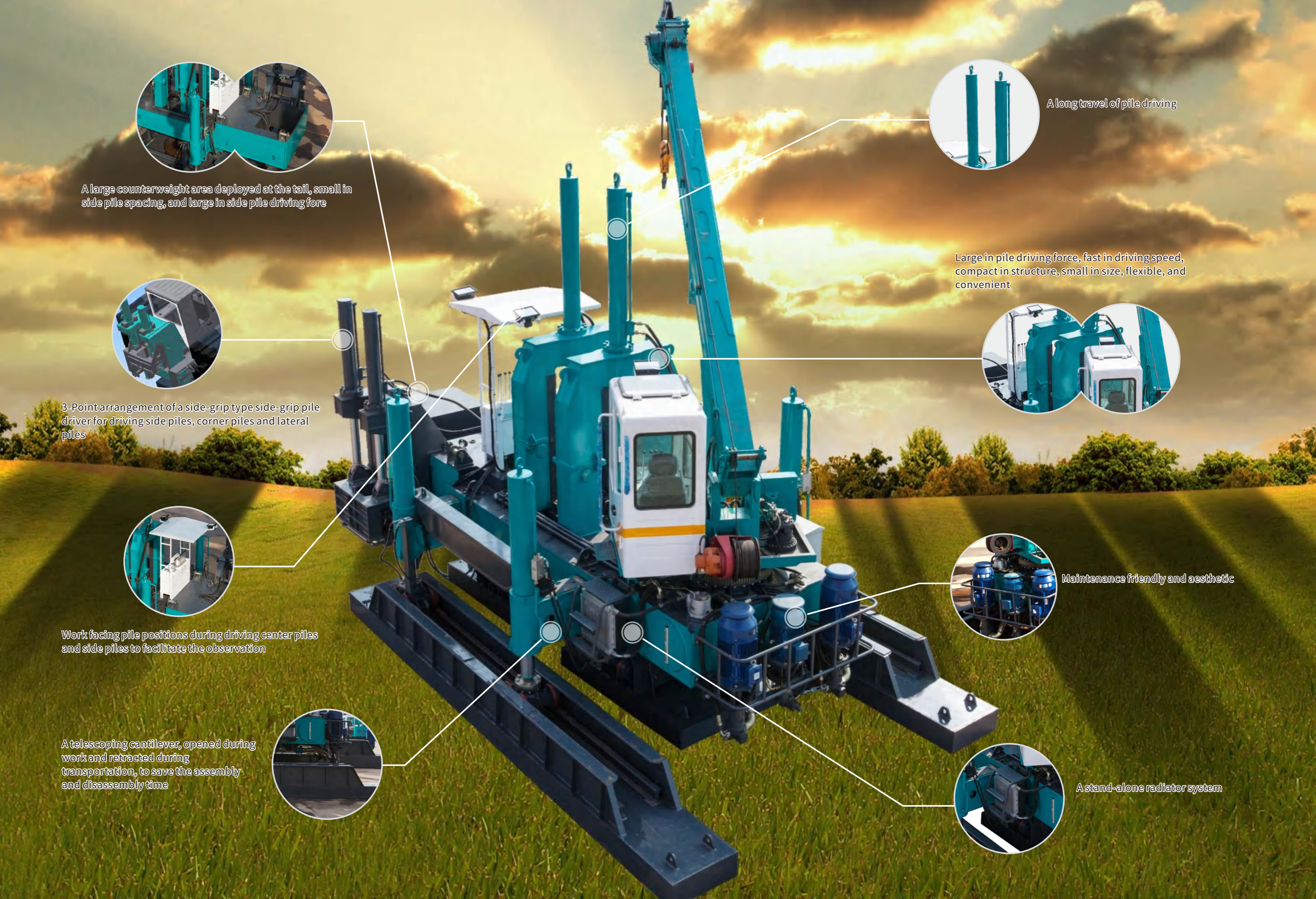
Maintenance friendly and aesthetic



A telescoping cantilever, opened during work and retracted during transportation, to save the assembly and disassembly time



A stand-alone radiator system



A variety of structures available for the pile clamping mechanism to adapt to the pile clamping box of various pile types, including: steel H-pile, PHDC pile, trapezoidal pile, triangular pile, steel-tube pile, etc.

A maintenance friendly 8-cylinder colliding type pile clamping box of a simple structure

A patented multi-point iso-driving pile clamping box applying the wedge force amplification principle and providing a uniform clamping forcing, especially suitable for pipe piles of a large tonnage and a thin wall

A novel hydraulic walking type traveling chassis with the automatic resetting and rotation compensation function and the iso-loading linkage functions, two innovative technologies

A 32 MPa HP oil cylinder with an overflow valve to prevent expansion of the cylinder

A large model of the third generation, with pile driving speed increased by 30%, to protect the oil cylinder more effectively and prevent expansion of the cylinder

An all-pilot monobloc valve
Easy to operate, and capable of significantly reducing the labor intensity of the operator

Counterweights added on both sides
A lower center of gravity of the complete equipment, safer for construction

A patented pile driving cylinder fast synchronization and return technology

With the patented technology, the return speed of the pile driving cylinder can be doubled, and at the same pumping flow, the construction efficiency can be greatly improved.



Specifications of ZYJ Series Static Pile Drivers

Model		Unit	ZYJ60B-III	ZYJ100B-III	ZYJ160B	ZYJ200B	ZYJ260B-II	ZYJ360B-III	ZYJ460B-III
Overall dimensions	Working length	mm	6210	7195	8140	10925	11800	13260	13400
	Working width	mm	3644	4000	4600	4800	6200	6530	7310
	Transport height	mm	3560	3610	3750	3700	3100	3220	3200
Maximum pile driving force		tf	60	100	160	200	260	360	460
Minimum pile driving speed		m/min	2.4	2.1	1.6	1.3	1.12	1.22	1.17
Maximum pile driving speed		m/min	10.8	6.5	6.3	9	7	10.1	11.19
Traveling capability	Longitudinal travel	m	1.6	1.6	2.2	2.2	3	3	3.6
	Lateral travel	m	0.4	0.4	0.4	0.4	0.6	0.6	0.6
	Steering angle	°	14	14	12	10	8	10	10
Lifting/lowering travel		m	1.4	1.4	1.4	1.4	0.9	0.9	1
Standard hoist			QY5C	QY8E	QY10A	QY12E	QY12F	QY12G/QY16D	QY16D/QY20C
Maximum hoisting length for center piles		m	8	9	12	13	14	14	14.5
Ground pressure	Long ship	Kpa	128	112	133	142	99	122	112
	Short ship	Kpa	140	132	146	141	121	145	155
Side pile spacing		mm	340	390	451	790	860	1240	1045
Minimum corner pile spacing		mm	730	769	746	1400	1570	1620	1578
Maximum installable round pile clamping jaws		mm	300	400	400	400	500	600	600
Maximum installable square pile clamping jaws		mm	300	400	400	400	500	600	600
Optional pile clamping box			3020	4022	4025	4025	5022	6025	6028/6014

Model		Unit	ZYJ600BJ	ZYJ680BJ	ZYJ860B-III	ZYJ960B-III	ZYJ1060B-III	ZYJ1260B-III
Overall dimensions	Working length	mm	13500	14000	14610	15510	16010	16820
	Working width	mm	7860	8360	8680	9060	9160	9750
	Transport height	mm	3242	3240	3300	3300	3300	3305
Maximum pile driving force		tf	600	680	860	960	1060	1260
Minimum pile driving speed		m/min	0.7	0.33	1.0	1.1	0.95	0.9
Maximum pile driving speed		m/min	6.45	7.23	12.3	13.7	12.75	10
Traveling capability	Longitudinal travel	m	3.6	3.6	3.6	3.6	3.6	3.6
	Lateral travel	m	0.6	0.7	0.7	0.7	0.7	0.7
	Steering angle	°	8	8	8	8	5	8
Lifting/lowering travel		m	1.1	1.1	1.1	1.1	1.1	1.2
Standard hoist			QY16C	QY20C	QY25C/QY35	QY25C/QY35	QY25C/QY35	QY55
Maximum hoisting length for center piles		m	15	15	16	16	16	20
Ground pressure	Long ship	Kpa	132	119	149	151	150	160
	Short ship	Kpa	162	158	205	203	198	210
Side pile spacing		mm	670	670	670	1002	1002	1002
Minimum corner pile spacing		mm	1160	1160	1160	1540	1540	2250
Maximum installable round pile clamping jaws		mm	600	600	800	1000	1000	1000
Maximum installable square pile clamping jaws		mm	600	600	600	800	800	800
Optional pile clamping box			6032/6014	6032/6016	6036/6038 6016/8016	6038/8016 8038/10016	6038/8016 8038/10016	10032

Guide-hole Type Static Pile Driver



◆ The world's biggest

ZYJ1260BK is the world's biggest guide-hole type static pile driver.

◆ Advanced construction method

The guide-hole type static pile driver uses the boring-in + static pressure construction method, which may dig the guide-hole prior to pile driving, or dig the guide-hole and drive the pile at the same time.

◆ Energy-saving and environmental-friendly

The equipment is featured in simple construction process, good pile forming quality, high efficiency, environmental-friendly construction site, and low cost.

◆ Overhead large-diameter long-roller winch

It meets the requirement of single-layer rope guiding under full-depth working condition, effectively reduces the squeezing and friction of wire rope, and significantly improves the service life of wire rope.

◆ Follow-up lowering of main winch

When digging the guide-hole, while the drilling rig gradually goes deep underground, the wire rope of main winch hanging the drill pipe can be automatically and continuously lowered down, without any manual operation.

Model		Unit	ZYJ860BK	ZYJ1060BK	ZYJ1260BK
Overall dimensions	Working length	mm	15200	16470	17840
	Working width	mm	8680	9160	9750
	Transport height	mm	3300	3300	3340
Maximum pile driving force		tf	860	1060	1260
Minimum pile driving speed		m/min	0.3	0.36	0.9
Maximum pile driving speed		m/min	9.2	9.45	10
Traveling capability	Longitudinal travel	m	3.6	3.6	3.6
	Lateral travel	m	0.7	0.7	0.7
	Steering angle	°	8	5	8
Lifting/lowering travel		m	1.1	1.1	1.2
Standard hoist		/	QY25C	Qy35 telescoping cantilever	QY55
Maximum hoisting length for center piles		m	16	23	18
Ground pressure	Long ship	Kpa	149	150	160
	Short ship	Kpa	205	198	210
Maximum installable round pile clamping jaws		mm	600	1000	1000
Maximum installable square pile clamping jaws		mm	600	800	800
Optional pile clamping box		/	6036/6036	8038/10016	10032
Torque of power head		KNm	120	160	220
Rotational speed of power head		rpm	10-20	7-40	7-28
Crowd force/lifting force		tf	15	21	22
Maximum depth of pilot hole		m	20	30	40

Double-layer Quick Pressure Pipe Sinking Machine



◆ Efficient construction

It has two pile clamping boxes that can work in linkage. With the unique automatic high-pressure and low-pressure switching technology, the machine can be pressed down and lifted up alternately to drive and extract piles in an alternate manner; therefore, the pile driving and extracting process is continuous, and the construction speed is significantly improved.

◆ Energy-saving and environmental-friendly

The operation is smooth, the pile driving pressure can be automatically switched between high pressure and low pressure; it has no noise and vibration; it is energy-saving and environmental-friendly, so the construction will not be restricted by environment protection laws and regulations.

◆ High cost performance

Maximum pile-forming diameter of 600mm, high efficiency, affordable price, and high cost performance.

◆ Easy operation

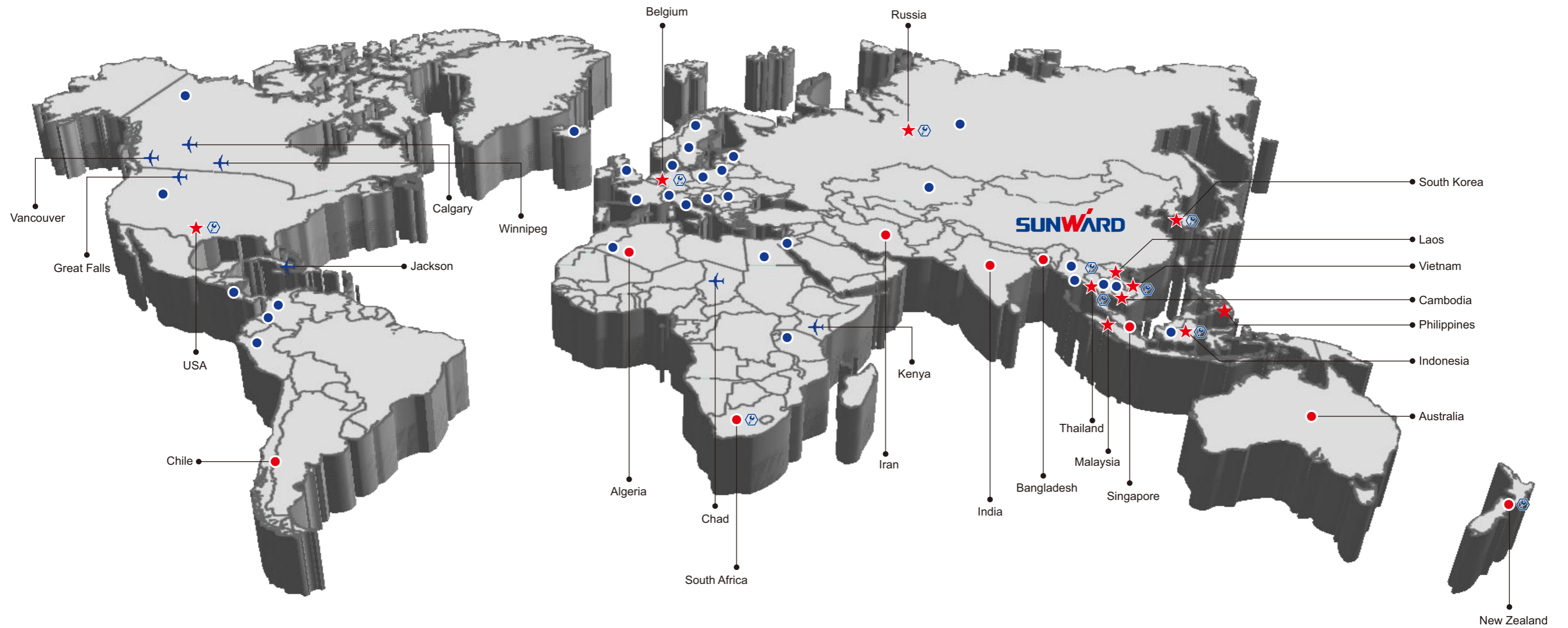
It uses clamp type or pilot type operating lever, which is easy to operate; during operation, there is always one pile clamping box to clamp the steel pipe; therefore, the steel pipe will not drop down when extracting a pile; and the assistance of hoist is no longer necessary. It can be simply operated by just one person, so the manpower is saved.

◆ Convenient installation and maintenance

Convenient transportation, quick and easy turnaround

Model		Unit	SWRP3600	SWRP8600
Overall dimensions	Working length	mm	12520	15300
	Working width	mm	6530	8680
	Transport height	mm	3100	3300
Maximum pile driving force		tf	180/360	430/860
Minimum pile driving speed		m/min	3.2	1.9
Maximum pile driving speed		m/min	5.5	7.6
Traveling capability	Longitudinal travel	m	3	3.6
	Lateral travel	m	0.6	0.7
	Steering angle	°	10	8
Lifting/lowering travel		m	0.9	1.1
Optional hoist		/	QY12C	QY25C
Ground pressure	Long ship	Kpa	108	150
	Short ship	Kpa	128	205
Maximum installable round pile clamping jaws		mm	600	600
Maximum installable square pile clamping jaws		mm	600	600
Pile clamping box equipped		/	6025KS和6025KX	6036KS和6036KX

Distribution Network



- ★ Sunward subsidiaries
- Sunward offices
- Sunward dealers
- ⚙ Sunward spare parts centers
- ✈ AVMAX service outlets

Sunward obtained the import and export rights in 2001, and have exported products to more than 100 countries and regions in the world. Our professional agencies are distributed all over the world, and we have established a dozen of subsidiaries in countries such as Belgium, the USA, Russia, Cambodia, Laos, South Africa, Malaysia, the Philippines, Vietnam, Indonesia, Thailand, South Korea, etc., which have respectively set up their professional sales service team including local employees and established their core accessory warehouse, complete-machine warehouse and maintenance facilities.