

▼ OSC Distributed Synchronous System



Technical Features:

- 16/32-point control cabinet connected to sub-pump stations via power lines and communication lines, eliminating the need for long-distance hydraulic pipelines.
- Sub-pump stations can be used as independent pump stations, equipped with wire-controlled handles.
- Pump stations come standard with displacement sensors, pressure sensors, and storage boxes.
- 16-22 inch large-size touch screen.
- Synchronous lifting / synchronous lowering / pressure sensor weighing analysis control program.
- Standard 50-meter power lines and communication lines, optional up to 100-meter cables.
- Multiple systems can be combined to achieve synchronous control systems with up to 128 points.

▼ System Main Interface:



RIVERLAKE 16 points synchronous jacking system																
NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Active	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N
Status	↓	↓	↓	↓	↓	↓	↓	↓	↑	↑	↑	↑	↑	↑	↑	↑
MPa	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ton	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abs mm	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
REL mm	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
Y	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
Total Ton	12.3457	Pre-lift MPa	12.3	Sync lift/lower				SIF		Status			Alarm			
Center X	12.3	Pre-Load Active	Pre-Load Cancel	Aver mm	12.3	Parameter	Set	Range	Manual Up	Date time alarm description						
Center X	12.3	Stroke ZERO		Target mm	12.3	Pressure alarm MPa	12.3	5-70	Manual Lower							
Center X	12.3			Step mm	12.3	Displacement sensor alarm mm	12.3	10-50	Auto Up							
Center X	12.3			Remain mm	12.3				Auto Lower							
										RESET			Parameter Setting			

1. Any point can be selected for control.
2. Real-time display of pressure value, tonnage value, absolute and relative values of displacement sensors for each point
3. Manually input X and Y coordinate values for each control point.
4. Manual control: manual lifting / manual lowering.
5. Pre-lifting: set low pressure, after startup, the cylinder automatically stops when reaching the set pressure value, effectively contacting the load without moving it.
6. Automatic control: after setting the target position, automatically perform synchronous lifting / synchronous lowering work.
7. Weighing analysis: total tonnage calculation, automatic center of gravity analysis.
8. Other functions: pressure and displacement signal loss alarm, overpressure alarm, stroke over-tolerance alarm, etc.

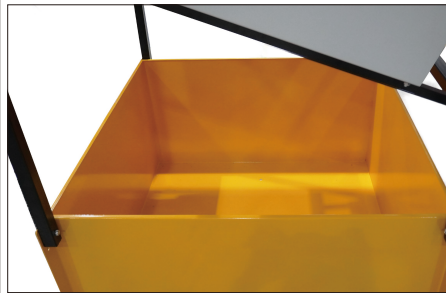
▼ Purchase Model Specification Table:

Item	Voltage	Phase	Motor(KW)	Flow rate (L/Min)	Oil available (L)	Points	Displacement Sensor	Cable Length (M)	Weight (KG)
OSC-16	380V	3	14	/	/	16	/	/	175
OSC-32	380V	3	28	/	/	32	/	/	200
OSC-3030EVB43R	380V	3	0.75	0.5	30	1	1000MM	/	93
OSC-PC-50	380V	3	/	/	/	1	/	50M	7
OSC-SC-50	/	/	/	/	/	1	/	50M	3
OSC-PC-100	380V	3	/	/	/	1	/	100M	14
OSC-SC-100	/	/	/	/	/	1	/	100M	6

▼ OSC16/32:



16/32 sets of power plugs, 16/32 sets of communication line plugs



Cable Storage Box

▼ OSC-3030EVB43R



Sub-pump Station OSC-3030EVB43R

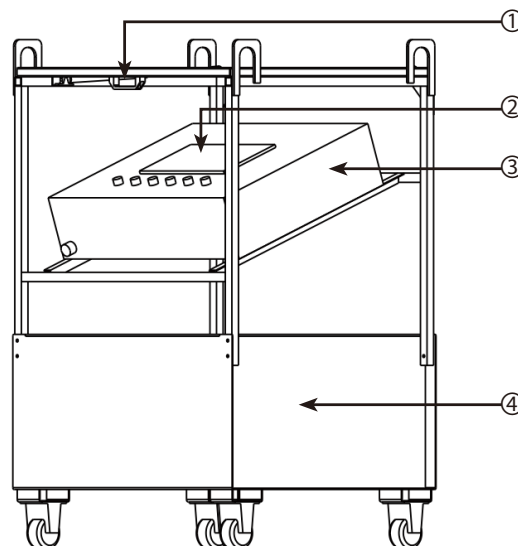
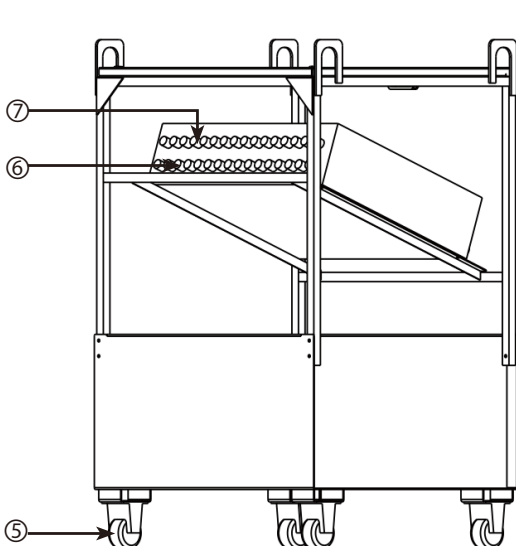
▼ OSC-PC-50/100



▼ OSC-SC-50/100

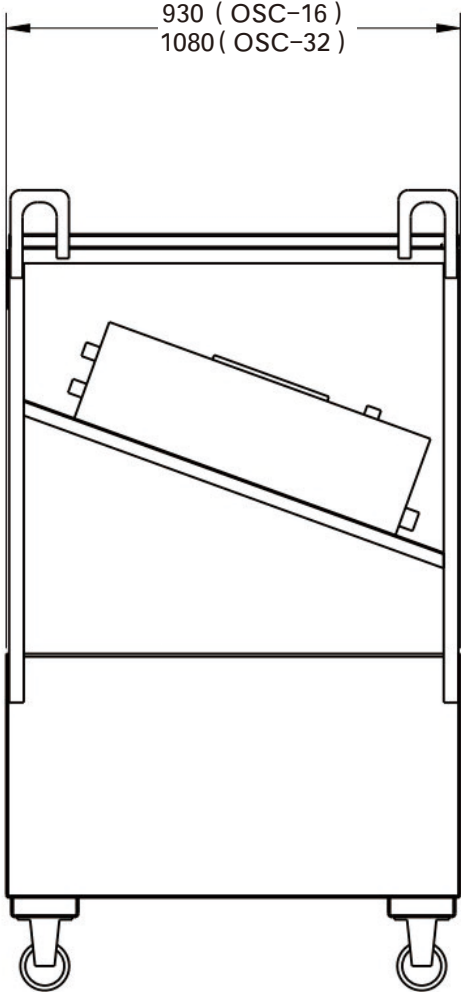
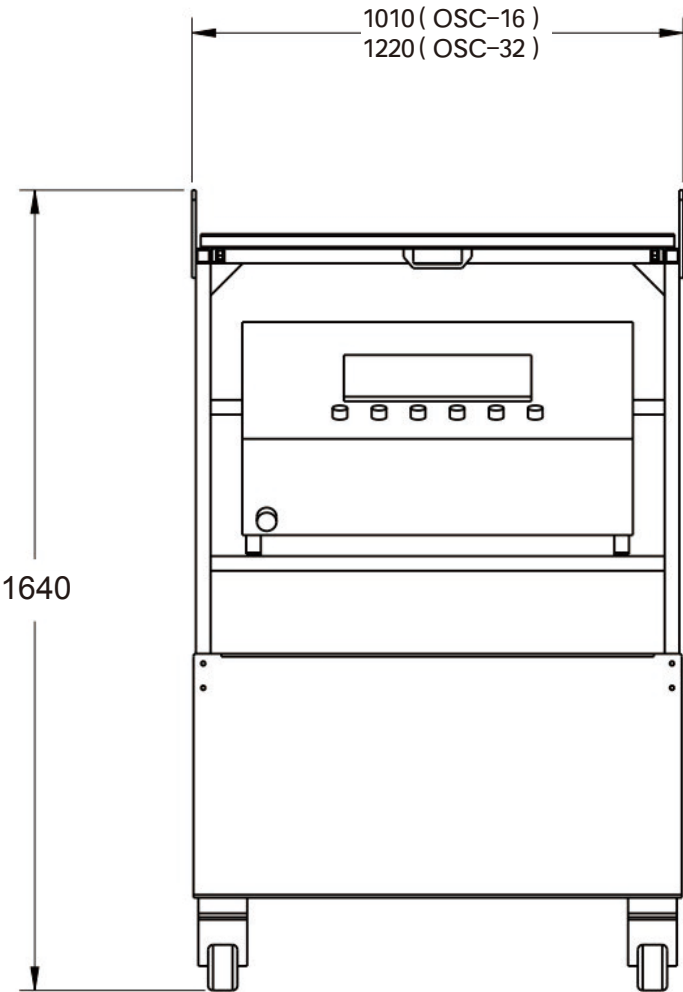


▼ OSC-16 Product Illustration



NO	Name
1	Openable Protective Cover
2	16-inch Touch Screen
3	Electric Control Box
4	Cable Storage Box
5	Lockable Casters
6	16 Sets of Communication Line Plugs
7	16 Sets of Power Line Plugs

▼OSC Outline Dimensional Drawing:



▼ OSC-3030EVB43R Hydraulic Pumps



OSC-3030EVB43 hydraulic pumps

Maximum pressure: 70MPa

Motor size: 750W

High pressure flow: 0.5L/Min

Low pressure flow: 3.5L/Min

- IEC brushless motor, maintenance-free
- Gear pump and radial piston pump two-stage pump structure, high efficiency work
- Integral design of motor and pump head, light weight
- 75dB ultra-low noise
- Built-in safety valve, external adjustable relief valve
- Standard pressure gauge, oil outlet thread quick connector
- Standard visual oil level gauge, oil filler port air filter, oil drain port plug
- Standard 6-meter power line, 1000MM range displacement sensor with 10-meter cable, detachable 6-meter wire-controlled handle, 3-phase 4-core aviation plug

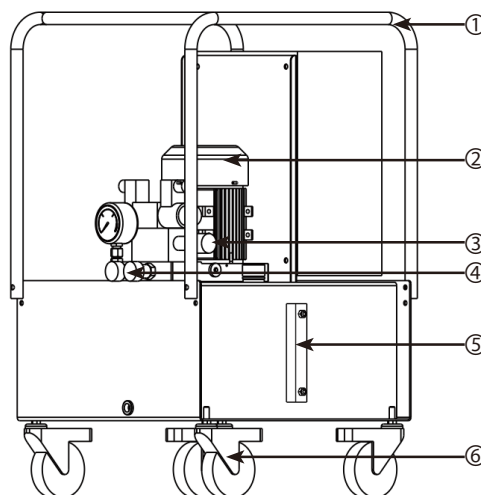
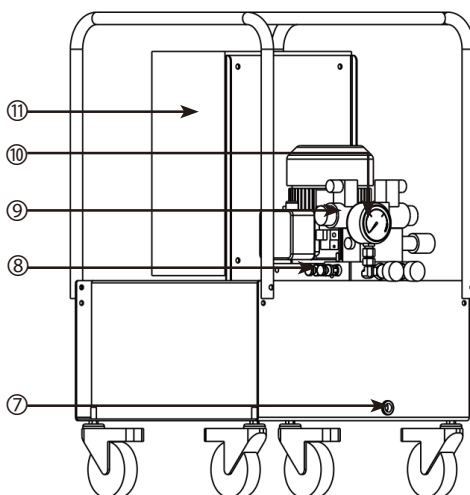
▼ OSC-3030EVB43R Product Specification Sheet

Model	Voltage	Motor Power	Reservoirs capacity	Power Phase	Low Pressure Flow	High Pressure Flow	Weight
OSC-3030EVB43R	380VAC	750W	30L	3PH	3.5L/Min	0.5L/Min	93KG

▼ Packaging list

Name	Specification	Quantity
Power Cable	6M Cable	1
Displacement Sensor	1000MM Range	1
Displacement Sensor Cable	10M Cable	1
Wire-Controlled Handle	3-button Control, 6M Cable	1
Aviation Plug	3-phase 4-core	1
Matching Socket	-	1

▼ OSC-3030EVB43R Product Illustration



NO	Name
1	Protected Framework
2	Motor
3	Pressure Transducer
4	Couplers
5	Sight Glass
6	Lockable Casters
7	Oil Drain Port
8	Relief Valve
9	Solenoid Directional Valve
10	Pressure Gauge
11	Electric Box