



混凝土液压布料机
CONCRETE HYDRAULIC PLACING BOOM

青岛晟源达威机械有限公司
Qingdao Saintyol DAWIN Machinery Co.,Ltd



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企业资质 Enterprise Qualification



科尼乐布料机——成就第一高楼



CO-NELE Placing Boom——Achievement of the tallest building

- 2011年展源达机械移动式布料机助力无锡苏宁广场建设，成就了无锡第一高楼；
- 2016年展源达机械爬模布料机助力银川绿地集团建设，成就了银川301米的第一高楼；
- 2016年展源达机械内爬式布料机助力济南华润集团建设的大型商业中心——万象城，成就了济南第一高楼；
- 2016年展源达机械内爬式布料机助力沈阳宝能环球金融中心T1塔楼建设，成就了东北第一507米的第一高楼；

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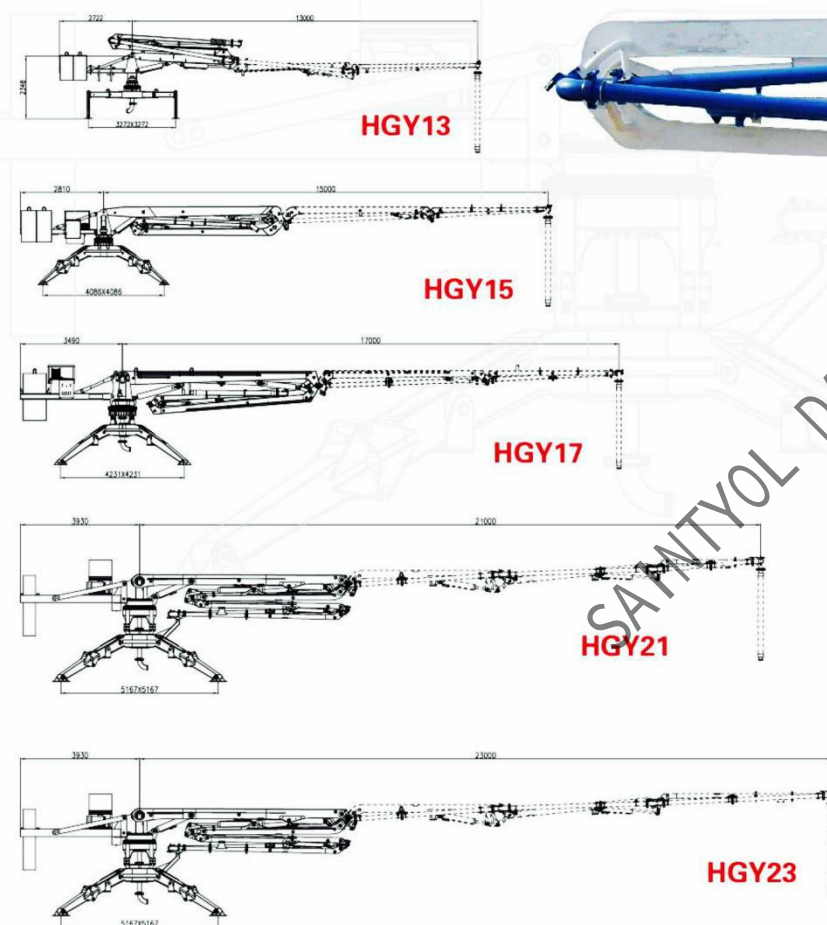
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Horizontal Placing Type Concrete Hydraulic Placing Boom

In 2011, Saintyol DAWIN mobile placing boom taking part in the construction of the Suning square in Wu xi. Achieved the Wu xi's tallest building.

In 2016, Saintyol DAWIN jacking placing boom taking part in the construction of the Green Ground Group in Yin chuan. Achieved the Yin chuan's tallest building. (301m)

In 2016, Saintyol DAWIN self-climbing type placing boom taking part in the construction of MIXC ,the China Resources' s large-scale commercial center, in Jinan. Achieved the Jinan's tallest building.

In 2016, Saintyol DAWIN self-climbing type hydraulic placing boom taking part in the construction of Shenyang treasure to the world financial center T1 tower. Achieved northeast of china's tallest building. (507m)



主要技术参数 Main technical parameters

型号 Model	HGY13	HGY15	HGY17	HGY21	HGY23
布料臂长 Horizontal reach (m)	13	15	17	21	23
回转角度 Rotation (°)	360°	360°	360°	360°	360°
俯仰角度 Elevation angle(°)	0 ~ 84	0 ~ 89	0 ~ 84	0 ~ 90	-4 ~ 90
回转制动 Slewing brake	常闭 Normally closed				
工作环境温度 Working environment temperature	-5℃ ~ 40℃				
重量 Weight (T)	自重 Without counterweight	2.7	3.23	5	7.7
	带配重 Counterweight	4.3	5.43	7.2	9.9
支腿跨距 Outrigger Span	3270 × 3270	4000 × 4000	4230 × 4230	4230 × 4230	4230 × 4230
电源 Power	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ
功率 Output (kW)	4	4	5.5	22	22
防护等级 Protection grade	IP54	IP54	IP54	IP54	IP54
绝缘等级 Insulation clas	F	F	F	F	F
系统压力 System Pressure(MPa)	16	16	18	32	32
控制方式 Control mode	有线/无线 Cable/Radio remote				
输送管清洗方式 Duct cleaning method	水洗/干洗 Wash/dry cleaning				
臂架打开方式 Boom open way	三节Z型 Three Z		三节R型 Three R		
	Φ 125	Φ 125	Φ 125	Φ 125	Φ 125
输送管径 Inner diameter of delivery pipe (mm)	Φ 125	Φ 125	Φ 125	Φ 125	Φ 125
末端软管 End rubber Hose (m)	3	3	3	3	3
长度 Length (mm)	3700/4520/4780	6000/5000/4000	6670/5720/4610	6670/5720/4610	6670/5720/4610
转角 Corner (°)	84/210/180	89/180/180	84/180/180	84/180/180	84/180/180



移动式液压布料机 Mobile Type Concrete Hydraulic Placing Boom

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移动式液压布料机 Mobile Type Concrete Hydraulic Placing Boom



HGY15布料机施工现场
HGY15 Placing Machine construction site



HGY17液压布料机
HGY17 hydraulic fabric machine



出口到巴基斯坦的2套HGY17布料机
Export 2 sets HGY17 fabric machines for Pakistan



HGY23

行走式液压布料机 Wheels Walking Type Concrete Hydraulic Placing Boom

该机由布料臂架总成、回转支座、塔身、底架、混凝土管路、液压系统、电气系统和牵引底盘等部件组成

布料臂为3节R型结构，通过液压系统实现3个臂的活动和转台的回转，通过回转台的转动和臂架的活动可将混凝土输送到所需的施工面

This placing boom is composed of the parts as placing boom unit, slewing bearing, body, support, concrete pipeline, hydraulic system, electric control system and traction chassis, etc.

3 section R-type placing arm structure, achieving 3 arms' actions and slewing bearing rotary, by hydraulic system, by slewing bearing rotating and arms acting, it can delivery concrete to the required construction site.

主要技术参数 Main technical parameters

		HGY13	HGY15	HGY17	HGY21	HGY23
性能 Performance	布料臂长 Horizontal reach (m)	13	15	17	21	23
	回转角度 Rotation (°)	360°	360°	360°	360°	360°
	俯仰角度 Elevation angle (°)	-2 ~ 84.4	0 ~ 89	4 ~ 90	0 ~ 90	0 ~ 90
	回转工作范围 Slewing working scope	360° 回转				
	工作环境温度 Working environment temperature	-5℃ ~ 40℃	-5℃ ~ 40℃	-5℃ ~ 40℃	-20℃ ~ 40℃	-20℃ ~ 40℃
控制系统 Control System	自重 Without counterweight	4.6	4.5	6.2	8.8	9.1
	带配重 Counterweight	6.8	6.7	8.4	10.1	10.4
	支腿跨距 Outrigger Span	4000 × 4000	4000 × 4000	4231 × 4231	5167 × 5167	5167 × 5167
	电源 Power	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ
	功率 Output (kW)	4	4	5.5	22	22
臂架 Boom	防护等级 Protection grade	IP54	IP54	IP54	IP54	IP54
	绝缘等级 Insulation grade	F	F	F	F	F
	系统压力 System Pressure (MPa)	20	16	20	32	32
	控制方式 Control mode	有线/无线 Cable/Radio remote				
	输送管清洗方式 Duct cleaning method	水洗/干洗 Wash/dry cleaning				
臂架 Boom	臂架打开方式 Boom open way	三节R型 Three R			四节M型 Four M	
	输送管径 Inner diameter of delivery pipe (mm)	Φ 125	Φ 125	Φ 125	Φ 125	Φ 125
	末端软管 End rubber Hose (m)	3		3	3	3
	长度 Length (mm)	8900/4000/2585	6000/5000/4000	6670/5730/4610	6500/4600/4800/5312	6839/5089/5069/5832
	转角 Corner (°)	89/180/180	89/180/180	90/180/180	90/180/220/180	90/180/220/180

HGY15

行走式液压布料机 Wheels Walking Type Concrete Hydraulic Placing Boom

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出口到新加坡的HGY15 布料机
Export to Singapore HGY15 fabric machine

行走式布料机由于移动方便结构轻便，成本低价格便宜，在混凝土机械布料施工领域应用广泛，行走式布料机有拖行机构可以在工地内快速方便的移动布料，还可以在短距离的工地间由牵引车牵引转移，在较短时间内完成设备转移。

The wheels walking type concrete placing boom is widely used in concrete placing construction machinery area. Because of easily moving, light structure, low cost, cheap price. The wheels walking type concrete placing boom has dragged mechanism, can quickly and easily move the placing concrete, and it also can do the transitions between short distances sites by tractor pulling, in a relatively short time to complete the transfer of the machine.



出口到澳大利亚的HGY17 布料机
Export to Australia HGY17 fabric machine



独立式液压布料机 Stationary Type Concrete Hydraulic Placing Boom

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济青高铁 中铁十二局 Ji qing high-speed railway 12 bureau

HGY18



主要技术参数 Main technical parameters

型号 Model		HGY18	HGY21	HGY24	HGY28	HGY32
性能 Performance	布料臂长 Horizontal reach (m)	18	21	24	28	32
	回转角度 Rotation (°)	360°	360°	360°	360°	360°
	俯仰角度 Elevation angle (°)	0 ~ 90	0 ~ 85	0 ~ 85	0 ~ 85	0 ~ 85
	回转制动 Slewing brake	常闭 Normally closed				
	工作环境温度 Working environment temperature	-5℃ ~ 40℃				
控制系统 Control System	重量 weight (T)	6	14.3	14.5	16.5	17
	电源 Power	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ
	功率 Output (kW)	5.5	5.5	5.5	11	22
	防护等级 Protection grade	IP54	IP54	IP54	IP54	IP54
	绝缘等级 Insulation grade	F	F	F	F	F
臂架 Boom	系统压力 System Pressure (MPa)	25	25	25	28	32
	控制方式 Control mode	无线开关量/模拟量 Wireless/analog switch quantity				
	输送管清洗方式 Duct cleaning method	水洗/干洗 Wash/dry cleaning				
	臂架打开方式 Boom open way	三节R型 Three R				
	输送管径 Inner diameter of delivery pipe (mm)	Φ 125mm				
	末端软管 End rubber Hose (m)	3				
	长度 Length (mm)	7670/5730/4610	6500/7500/4500	12000/7500/4500	12000/9100/6200	13956/10594/7434
	转角 Corner (°)	90°/180°/180				





独立式液压布料机 Stationary Type Concrete Hydraulic Placing Boom

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独立式有基础固定式和轨道行走式；

使用时有多种选择，高度可根据施工要求而定，搭身型式有圆筒式和架式，配备多种形式底座或轨道等；

多重合理配置，满足各种不同的需求，科学的安全保护装置，确保设备的安全可靠性；

广泛应用于路桥制梁场、桥梁、核电、基础设施、港湾等工程施工中。

Divided into two types: stationary and rail-mounted.

There are many choices when using, the tower's type are tubular and scaffolding, equipped varied bottoms or rails. Adjustable height according to job requirements.

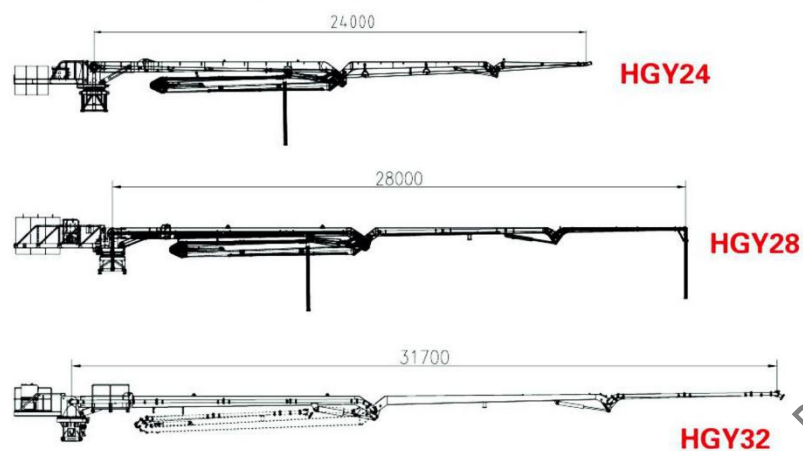
Multiple rational combinations for a variety of requirements and scientific safely protecting structures for higher reliability.

Widely used in construction buildings, such as the construction of precast concrete beams, bridges, nuclear power plants, infra-structures, harbors and ports.

南水北调工程 中水四局 HGY24布料机

South-to-north water diversion project, middle water fourth HGY24 placing machine

电梯井内爬式液压布料机 Elevator Shaft-climbing Type Concrete Hydraulic Placing Boom



配置自动爬升框架，利用液压油缸顶升，在电梯井内自动爬升，使布料机随着楼层的升高而升高，省时省力，效率高。

Equipped with self-climbing frames which are driven by hydraulic cylinders and climb up automatically from the present floor to the desired floor along the well hole designed for elevator, the placing booms rise with the rising floor, saving time and labor.

主要技术参数 Main technical parameters

型号 Model		HGY19	HGY21	HGY24	HGY28	HGY32	HGY35
性能 Performance	布料臂长 Horizontal reach (m)	19	21	24	28	32	35
	回转角度Rotation (°)				360°	400°	
	俯仰角度Elevation angle(°)	0-87	0-87	0-85		0-76	
	回转制动 Slewing brake	常闭 Normally closed					
	工作环境温度 Working environment temperature	-5℃ ~ 40℃					
控制系统 Control System	重量 weight (T)	11.2	11.7	14.5	16.5	17	25.65
	电源 Power	380V/50HZ					
	功率Output (kW)	5.5	5.5	5.5	11	22	30
	防护等级 Protection grade	IP54	IP54	IP54	IP54	IP54	IP54
	绝缘等级 Insulation grade	F	F	F	F	F	F
臂架 Boom	系统压力System Pressure(MPa)	32	32	25	28	32	32
	控制方式 Control mode	无线开关量/模拟量Wireless/analog switch quantity					
	输送管清洗方式 Duct cleaning method	水洗/干洗 Wash/dry cleaning					
	臂架打开方式 Boom open way	两节 Two		三节R型 Three R			
	输送管径inner diameter of delivery pipe (mm)	Φ125mm					
	末端软管 End rubber Hose (m)	3					
	长度 Length (mm)	10950/8050	11950/9050	12000/7500/4500	12000/9100/6200	13966/10594/7434	9800/5143/6570/7000
	转角 Corner (°)	85/180/180					





电梯井内爬式液压布料机 Elevator Shaft-climbing Type Concrete Hydraulic Placing Boom

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HGY28 济南华润集团万象城建设

HGY28 jinan China resources group vientiane construction



楼板顶升式液压布料机 Floor jack-up Type Concrete Hydraulic Placing Boom



主要技术参数 Main technical parameters

型号 Model		HGY24	HGY28	HGY32	HGY33	HGY32-4R	HGY32-4R	HGY33-4R
性能 Performance	布料臂长 Horizontal reach (m)	24	28	32	33	32	32	33
	回转角度Rotation (°)	360						
	俯仰角度Elevation angle(°)	0 ~ 90						
	回转制动 Slewing brake	常闭 Normally closed						
控制系统 Control System	工作环境温度 Working environment temperature	-5℃ ~ 40℃						
	重量 weight (T)	19	19.67	21	22.02	21.3	21.3	22.4
	电源 Power	380V/50HZ						
	功率Output (kW)	11	18.5					
臂架 Boom	防护等级 Protection grade	IP54						
	绝缘等级 Insulation grade	F						
	系统压力System Pressure(MPa)	28	32	32	32	32	32	32
	控制方式 Control mode	无线开关量 Wireless / 无线模拟量 Analog switch quantity						
臂架 Boom	输送管清洗方式 Duct cleaning method	水洗/干洗 Wash/dry cleaning						
	臂架打开方式 Boom open way	三节R型 Three R			四节M型 Four M		四节R型 Four R	
	输送管径 Inner diameter of delivery pipe (mm)	Φ 125mm						
	末端软管 End rubber Hose (m)	3						
臂架 Boom	长度 Length (mm)	12000/7500/4500	12000/9100/6200	13966/10594/7434	14870/9570/8560	9510/7560/7630/7720	9510/7560/7630/7720	8880/9000/9010/7840
	转角Corner (°)	85/180/180			92/177/180/181			

水平式液压布料机 Horizontal Placing Type Concrete Hydraulic Placing Boom

- 水平式布料机由布料臂架总成、回转支座、塔身、底架、混凝土管路、液压系统和电气系统等部件组成。
- 布料臂为两节箱型结构，通过液压系统实现两个臂节的水平回转，可将混凝土输送到所需的施工面。
- 水平布料机由于具有结构轻便，成本低价格便宜，在高速公路、高铁、制梁场应用广泛。该产品机动性很好，水平布料机由于结构轻便可以在同一工地的不同工位通过塔机在较短时间内完成设备转移，提高工作效率和施工成本。
- Horizontal placing type concrete placing boom is composed of the parts as placing boom unit, slewing bearing, body, support, concrete pipeline, hydraulic system, electric control system and traction chassis. etc.
- Placing arm is two section box-type structure, achieving two section arms horizontal slewing by hydraulic system, it can delivery concrete to the required construction site.
- Horizontal placing type concrete placing boom is widely used in highways, high-speed rails, beams fields owing to light structure, low cost, cheap price. This kind machine has good flexibility, due to light structure, the horizontal placing boom can complete the transfer to the same working site different positions by crane in a relatively short time, improving working efficiency and reducing construction costs.

主要技术参数 Main technical parameters

型号 Model		HGY17	HGY19
性能 Performance	布料臂长 Horizontal reach (m)	17	19
	回转角度 Rotation (°)	大回转 ±360° , 小回转可 360° 任意旋转 Big Slewing ±360° , Small Slewing 360° Arbitrary Rotary	
	回转制动 Slewing brake	常闭 Normally closed	
	工作环境温度 Working environment temperature	-5℃ ~ 40℃	
液压系统 Hydraulic system	重量 weight (T)	4.8	5.3
	电源 Power	380V/50HZ	
	功率 Output (kW)	5.5	
	防护等级 Protection grade	IP54	
臂架 Boom	绝缘等级 Insulation grade	F	
	系统压力 System Pressure (MPa)	10	
	控制方式 Control mode	无线开关量/模拟量 Wireless/analog switch quantity	
	输送管清洗方式 Duct cleaning method	水洗/干洗 Wash/dry cleaning	
	臂架打开方式 Boom open way	二节 Two sections	
	输送管径 Inner diameter of delivery pipe (mm)	Φ 125mm	
	末端软管 End rubber Hose (m)	3	
	长度 Length (mm)	9200/7800	10210/8800

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