AIMIX GROUP CO. LTD.

AIMIX

BUILD A BETTER WORLD TOGETHER

1. Main configuration of the APL-260R

Item			APL-260R
			
APL-260R	Vibrating feeder	Volume(m3)	6
		Feeding height(mm)	4200
		Maximum size(mm)	750
		Feeding capacity (t/h)	300
	Crusher & Screen	Equipment	**PF1214 Impact Crusher**
		Screen(Layer/LxW) (mm)	**2S/4500×1540**
		Output Size(mm)	25-100 mm
	Belt Conveyor	Main belt conveyor width(mm)	1200
		Finished belt stacking height (mm)	3224
		Transfer belt width(mm)	500
		Return belt width(mm)	500
		Finished Belt Width (mm)	1200
	Full Set	Full Machine power (kw)	265.6
		Host power (kw)	200
		Walking speed(km/h)	0.6-1
		Machine weight (t)	54
		Processing capacity (t/h)	160-350
		Transport Dimensions Length × Width × Height (mm)	18127x3556x3800
Total weight: 54 tons, Transport dimension: 18.2*3.6*3.8M			
Main Component Information			

Engine cabinet	1. Weichai diesel engine, 97kW engine unit. 2. The engine compartment is accessed by opening the hinged doors on either side of the engine compartment, with access platforms around the engine compartment.
Host machine-Impact Crusher	1. The main impact crusher is powered by a system consisting of a 200kW motor, pulleys and V-belts. The hydraulic cylinder opens the upper cover of the main engine and adjusts 2. The granularity of the material can be reduced by operating the manual valve of the oil cylinder.
Heavy-duty tracked chassis	The machine is mounted on a high specification track-type undercarriage with a transfer gearbox and integral brakes and counterbalance valves. Use the wireless remote control to control the movement of the machine.
Folding bin	The silo extension is hydraulically foldable on three sides for quick and easy installation. The folding and unfolding of the silo can be realized by operating the manual valve of the oil cylinder.
Feeder	The feeder is installed on a heavy-duty spring to buffer and protect the impact. The flexible support provided by the spring prevents the Partially transmitting the vibration, the vibration motor provides the vibration to move the material along the feeder.
Double hopper	The double hopper adopts a rocker switch, which can easily switch the material from the feeder to the main belt conveyor or the side belt conveyor, and the user can switch freely according to needs.
Belt Conveyor	1. Driven by motor reducer. 2. The belt conveyor needs to add lubricating oil and gear oil regularly 3. The side output belt conveyor and the return belt conveyor can be deployed from the transport position to the working position by hydraulic drive. 4. Manipulate the manual valve of the return material rotary opening and closing oil cylinder to recover the oil cylinder and pull the return material belt conveyor to an appropriate position.
Vibrating Screen	The vibrating screen part of the equipment is equipped with a quick maintenance and replacement screen structure. When the vibrating screen needs to be repaired or replaced, the vibrating screen can be quickly moved to the maintenance position by manipulating the manual valve of the vibrating screen lifting cylinder. The vibrating screen can be lifted to a variety of angle.
Iron remover	The iron remover is suspended above the main belt conveyor, and the gap between the iron remover and the main belt conveyor can be adjusted by manipulating the manual valve of the iron remover lifting cylinder, and the user can adjust it according to his own needs.
Hydraulic tank	1. The hydraulic oil tank is used to ensure the oil required for the hydraulic system to work. The hydraulic oil tank contains liquid level gauge, oil suction filter, oil return filter, air filter, etc. 2. The capacity of the hydraulic oil can be checked through the liquid level gauge, and the hydraulic oil level must not be lower than 3/4 of the maximum scale, otherwise the hydraulic oil of the corresponding label needs to be filled. 3. The hydraulic oil tank is equipped with a hydraulic oil heater, which is used to

	heat the hydraulic oil in low temperature areas or seasons to reduce the viscosity of the oil.
Wind separation	This machine is equipped with wind separation equipment.
PLC control cabinet	1. The whole machine adopts PLC to control the start and stop of the motor, and uses the touch screen instead of the traditional button. The motor can be started independently through the touch screen, and multiple motors can be started and stopped with one key. Manual activation is also possible. 2. The left side of the control cabinet shows in turn: total voltage, ABC three-phase current. 3. The switch below can be switched to line voltage representation.
Engine control cabinet	Start the generator through the genset automation control panel.
Control and display elements	1. The whole machine is divided into two modes: debugging (manual) and automatic. 2. In the debugging mode, each mechanism needs to be operated manually to start and stop independently. 3. In the automatic mode, the whole machine can be started and stopped with one button. 4. The switch in the lower left corner can switch between debug mode and automatic mode. 5. Most of the display information is presented graphically. Whenever a mechanism is activated, the activation sequence number will turn green. 6. Sprinkler motor and winnowing motor are started separately by touch screen.

2. Main configuration of the APYL-3618

Item			APYL-3618
			
APYL-3618Y	Vibrating feeder	Volume(m3)	2.8
		Feeding height(mm)	2252
		Maximum size(mm)	200
		Feeding capacity (t/h)	350
	Screen	Number of Layer	3
		Screen Layer LxW (mm)	**6000×1800**
	Belt Conveyor	Main belt conveyor width(mm)	1000
		Transfer belt conveyor width (mm)	500
		Belt conveyor width under the screen × stacking height (mm)	1000×3422
		Side 1-belt conveyor width×stacking height(mm)	500×3570
		Side 2-belt conveyor width×stacking height(mm)	650×3697
		Side 3-belt conveyor width×stacking height (mm)	650×3560
	Full Set	Full Machine power (kw)	64.5
		Walking speed(km/h)	0.6-1
		Machine weight (t)	32
		Processing capacity (t/h)	200-500
		Transport Dimensions Length × Width × Height (mm)	14808x3469x3800
Total weight: 32 tons, Transport dimension: 14.8*3.5*3.8M			

Main Component Information	
Engine cabinet	1. Weichai diesel engine, 97kW engine unit. 2. A water-cooled internal combustion engine is connected to a hydraulic pump to power the unit. The hydraulic pump is housed in a special isolation chamber, next to the fuel tank, so that all filters and fuel gauges can be seen. 3. The engine compartment is accessed by opening the hinged doors on either side of the engine compartment, with access platforms around the engine compartment.
Host machine-Vibrating Screen	1. Two vibrating screens with different angles are used to separate the fine materials quickly and maximize the screening efficiency. 2. The vibrating screen part is equipped with a quick maintenance and replacement screen structure. When it is necessary to repair or replace the screen, the vibrating screen can be 3. The manual valve of the vibrating screen support cylinder makes the vibrating screen quickly move to the maintenance position. The vibrating screen can be raised to various angles.
Heavy-duty tracked chassis	The machine is mounted on a high specification track-type undercarriage with a transfer gearbox and integral brakes and counterbalance valves. Use the wireless remote control to control the movement of the machine.
Double hopper	The double hopper adopts a rocker switch, which can easily switch the material from the feeder to the main belt conveyor or the side belt conveyor, and the user can switch freely according to needs.
Belt Conveyor	1. Driven by motor reducer. The belt conveyor needs to add lubricating oil and gear oil regularly 2. The three side belt conveyors and the main belt conveyor can be driven by hydraulic pressure to switch between the transport state and the folded state. 3. Lift the under-screen belt conveyor by controlling the lifting cylinder manual valve of the under-screen belt conveyor to clear the clogged materials.
Hydraulic tank	1. The hydraulic oil tank is used to ensure the oil required for the hydraulic system to work. The hydraulic oil tank contains liquid level gauge, oil suction filter, oil return filter, air filter, etc. 2. The capacity of the hydraulic oil can be checked through the liquid level gauge, and the hydraulic oil level must not be lower than 3/4 of the maximum scale, otherwise it is necessary to add hydraulic oil of the corresponding label. 3. The hydraulic oil tank is equipped with a hydraulic oil heater, which is used to heat the hydraulic oil in low ground pressure or seasons to reduce the viscosity of the oil.
PLC control cabinet	1. The whole machine adopts PLC to control the start and stop of the motor, and uses the touch screen instead of the traditional button. The motor can be started independently through the touch screen, and multiple motors can be started and stopped with one key. Manual activation is also possible. 2. The left side of the control cabinet shows in turn: total voltage, ABC three-phase current. 3. The switch below can be switched to line voltage representation.

Engine control cabinet	Start the generator through the genset automation control panel.
Control and display elements	1. The whole machine is divided into two modes: debugging (manual) and automatic. 2. In the debugging mode, each mechanism needs to be operated manually to start and stop independently. 3. In the automatic mode, the whole machine can be started and stopped with one button. 4. The switch in the lower left corner can switch between debug mode and automatic mode. 5. Most of the display information is presented graphically. Whenever a mechanism is activated, the activation sequence number will turn green. 6. Sprinkler motor and winnowing motor are started separately by touch screen.

3.Worksite