



GYROAIR™ DUST PROCESSOR



Model: G 700



中国好设计
China Good Design
WINNER 2015

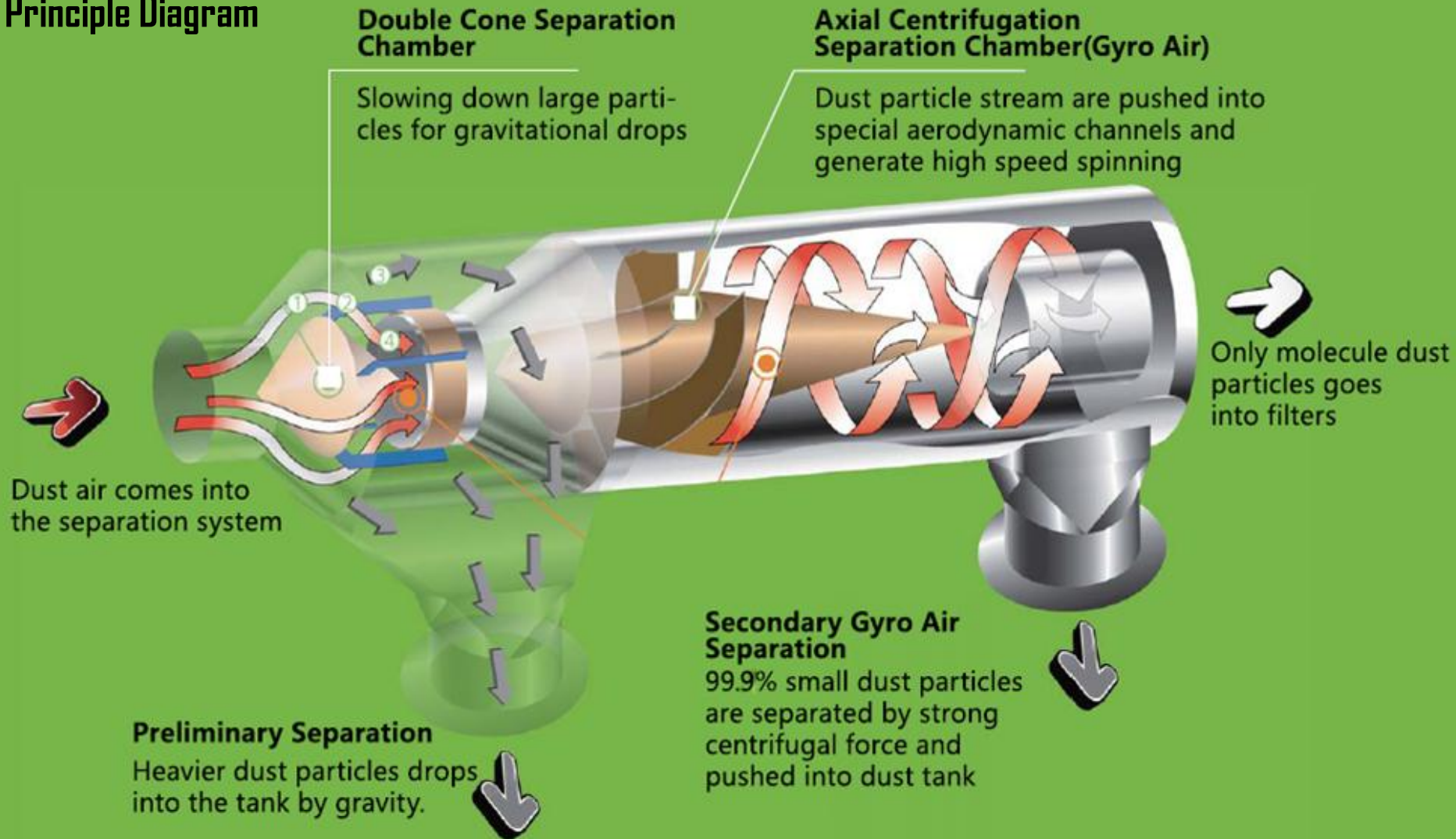
HARVEY®



Harvey's Invention – Axial Centrifugation Technology

GYRO AIR™ DUST PROCESSOR

Principle Diagram



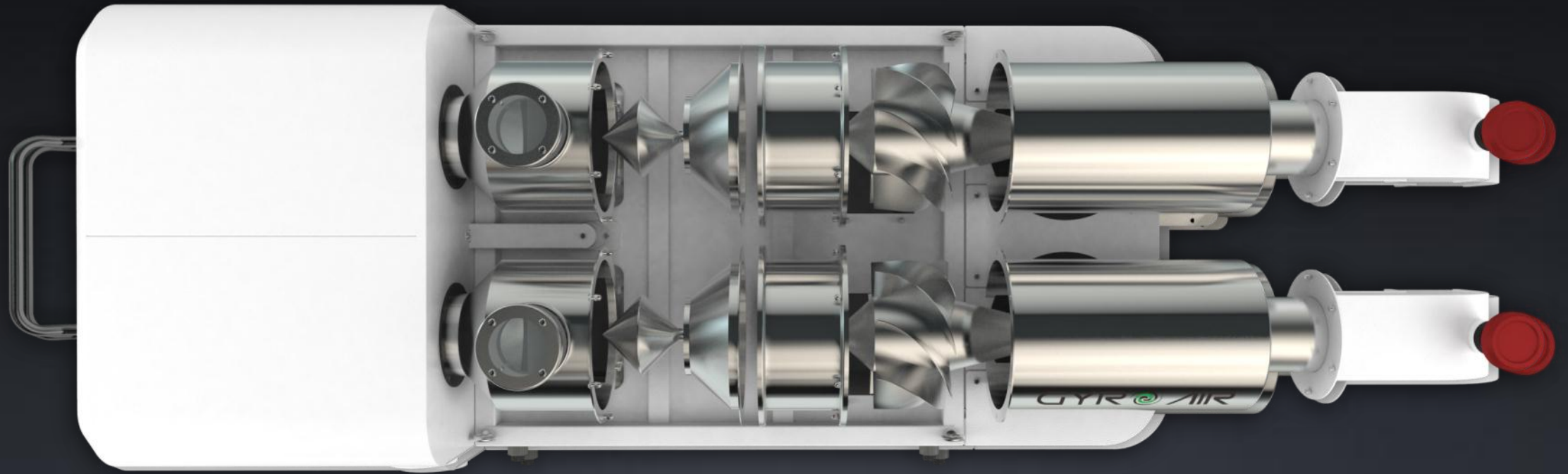
GYRO AIR™ DUST PROCESSOR

Principle

GYRO AIR Dust Processor technology has revolutionized dust collecting. It was designed with Harvey's invention-Axial Centrifugation Technology (or called Gyro Air Technology) which is totally different from any existing dust collectors. The Gyro Air Technology makes flowing dust stream suddenly spins at high speed (over 4,000rpm), which generates a very strong centrifugal force on dust particles (over 70g). The particles are pushed away from air flow center by the centrifugal force and then dropped into dust tanks. The clean air remains in the flow and goes forward to the final air filters. The process can successfully separate 99.9% dust particles by from air, which greatly reduce the pressure of the filters.

Because of the super high separation efficiency and unique horizontal structure, operation noise is minimized to a pleasant level 61 dbA. Also the power consumption is minimized to 1.5kw.

GYRO AIR™ DUST PROCESSOR



Dust To Dust, Air To Air ...

GYRO AIR™ DUST PROCESSOR



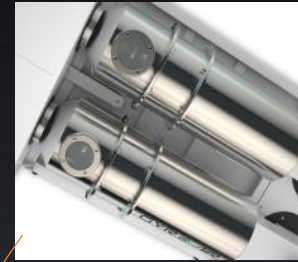
Pressure Gauge



Buzzer for the alert of dust bin full



Control panel with Variable Speed control



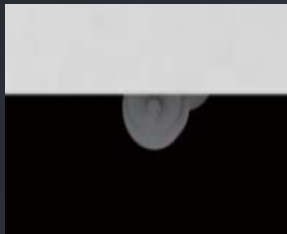
Dust separation system



Manual Filter Cleaning



Dust port adaptor



Built-in mobility kit for convenient movement



2x Filters for dust cannot be separated by gravity



Dust bin inside the machine

GYRO AIR™ DUST PROCESSOR



- High Efficiency
99.9% Dust separation before filtration
- Energy Saving
Up to 50% energy saving (only 1.5KW)
- Extremely clean emission
Filter emission rating 0.05mg/m³
- Never Blocked
Strong and stable static pressure
- Quiet
Super lower noise 61-72 dbA

GYRO AIR™ DUST PROCESSOR

WHAT KIND OF DUST OR PARTICLES CAN BE SEPARATED?

- ✓ DRY WOOD DUST
- ✓ DRY METAL DUST
- ✓ DRY PLASTIC DUST
- ✓ DRY FOOD DUST
- ✓ DRY STONE DUST

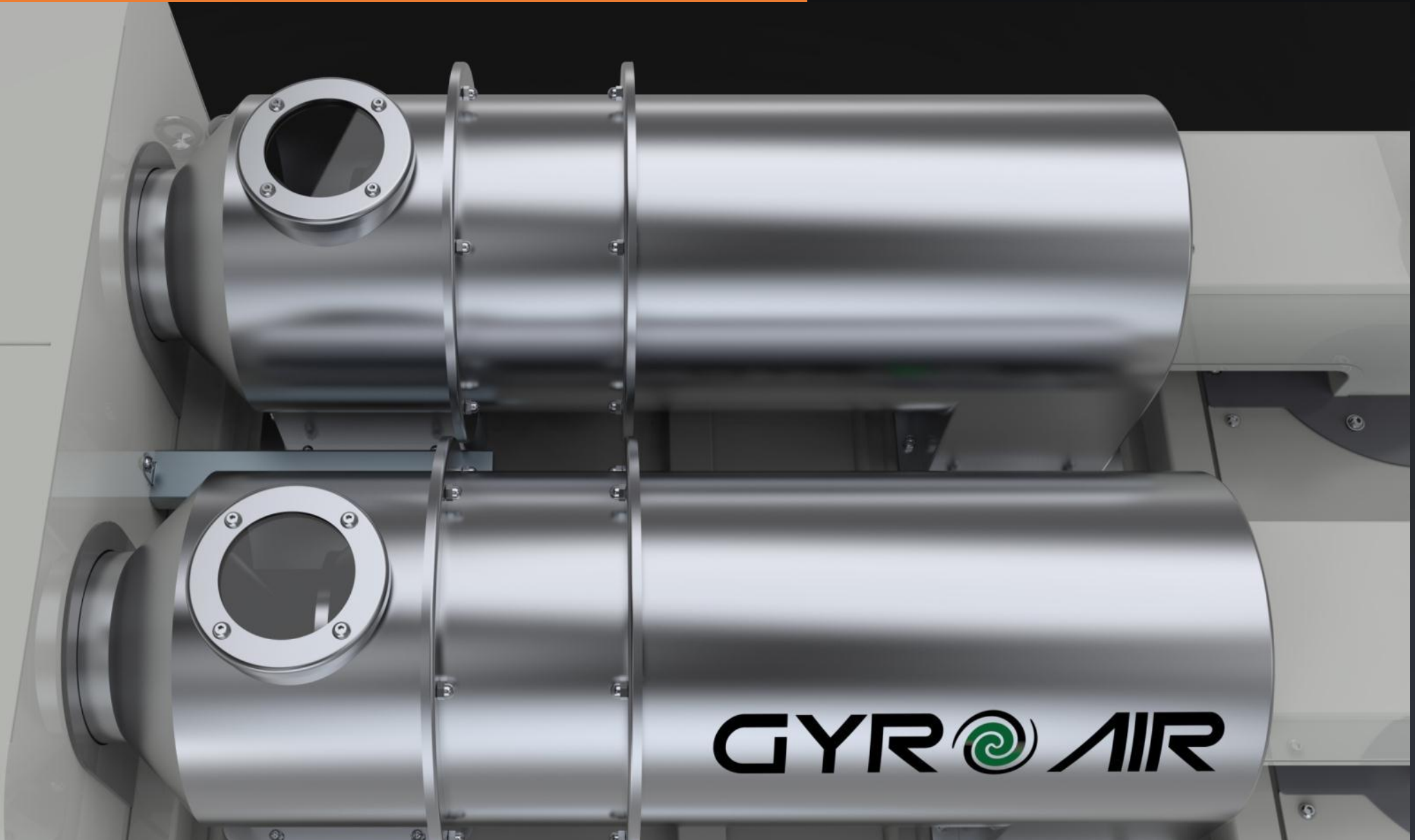
- × NO WET DUST
- × NO EXPLOSIVES
- × NO LIQUID



GYRO AIR™ DUST PROCESSOR



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GYRO AIR™ DUST PROCESSOR

Features

- 99.9% Dust separation efficiency before filtration
- Super low noise (as low as 61 dbA)
- Compact size with built-in mobility kit
- Strong and constant static pressure
- Up to 50% energy saving (only 1.5KW)
- Extremely clean emission (0.05mg/ m³)
- Variable flow control
- Less maintenance
- Power coated steel frame
- Stainless steel dust separation system
- SIEMENS variable flow control
- Intelligent dust-full monitor
- Convenient tool-less dust tank operation
- Built-in mobility kit



GYRO AIR™ DUST PROCESSOR

Gyro Air Specifications:	
Electrical	
Power Requirement:	220V, Single Phase, 50Hz
Breaker Size:	20A
Inverter Type:	Siemens V20
Motor	
Type:	TEFC Induction
Power:	1.5KW
Phase:	3Phase
Rated Amps:	5.8A
Speed:	2280-4275rpm Variable
Product Dimensions	
Overall Dimension:	1430×579×858mm
Packing Size:	1500×725×1072mm
Product Weight	
Net Weight:	195kgs
Gross Weight :	222kgs
Performance	
Max. Air Flow:	1885m ³ /h
Max. Static Pressure:	4600Pa
Max. Air Flow @4 inch hose:	1190m ³ /h
Static Pressure @ 4 inch hose:	1400Pa
Impeller Size:	300mm
Main Inlet Size:	150mm
Adapter Inlet Size:	100mm x 2
Filter Emission Rating:	0.05mg/m ³
Filter Surface Area:	7m ²
Noise Rating @3m	61-72 dbA
Max. Dust Bin Capacity:	120L
Manual Filter Cleaning:	Yes
Intelligent Dust-Full Monitoring system:	Yes
Pressure Gauge:	Yes

