



Batch type

Hybrid Grain Dryer

- Various Fuel selection such as chaff, wooden pellet, LPG · LNG, coconut shell
- Paddy chaff 1kg has the same calory to kerosene 3ℓ
- Uniform drying and improvement of the quality
- Minimum cost and easy installation



Features of DHD-30

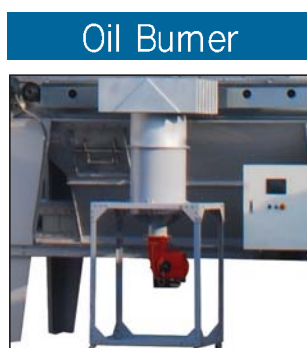
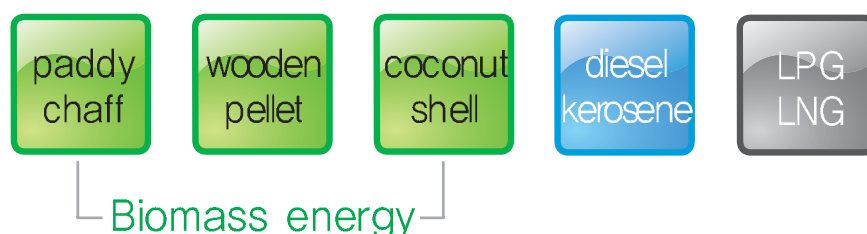
- Minimum cost using paddy chaff for drying
- Cross using of oil or chaff burner(option)
- Batch-type dry : FIFO Drying(First input comes out first) helps a uniform drying.
- Automatic system and easy operation
- Fire prevention by temperature sensor, safe working
- Best outcome by bulk-type load and unload
- Minimum the dust by highly-powered turbo cleaner
- Longer life by supplied high quality material
- Uniform drying and optimal temperature keeping reduce the breaking of the grain in winter

Free choice of the Fuel (bio energy)

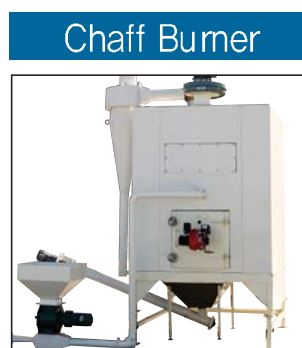
Free choice of the drying fuel (paddy chaff, wooden pellet, coconut shell, kerosene, LPG, LNG)

Paddy chaff 1kg has the same calory with kerosene 3ℓ

Using paddy chaff is a eco-friendly and future-oriented type drying strengthening the competitiveness of the RPC



Basic burner using diesel with direct heat conduction



Standard burner using chaff with indirect heat conduction (in-built controller & safe circuit system)

Specifications of Chaff Burner

No. of the dryer	1 dryer	2 dryers	3 dryers	4 dryers
Calory(Mcal/hr)	38	76	114	152
Power(kW)	6,95	6,95	7,4	7,4
Input volume of paddy (kg/hr)	125	250	380	500
Remarks				

※ The specifications and designs can be changed without any notice.

Main Components(DHD-30)



• Turbo cleaner

- Inhale the moisturized air after drying and then separate the dust and air

- Suitable at low wind pressure and high volume (special design)
- Dust collection for grain dryer and bin silo
- Minimum installation space (12m²)
- Substitution effect of bag filter
- Higher rate of dust collect in itself
- Less noise and low cost
- Control the airflow

• Input diffusion · Dust collect

- Prevention of the input grain stack-up at one position
- Dust collect at grain input

• Buffer & storage zone

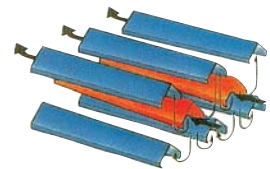
- keep moisture in equilibrium

• Temperature controller

- control of the input dried air temperature

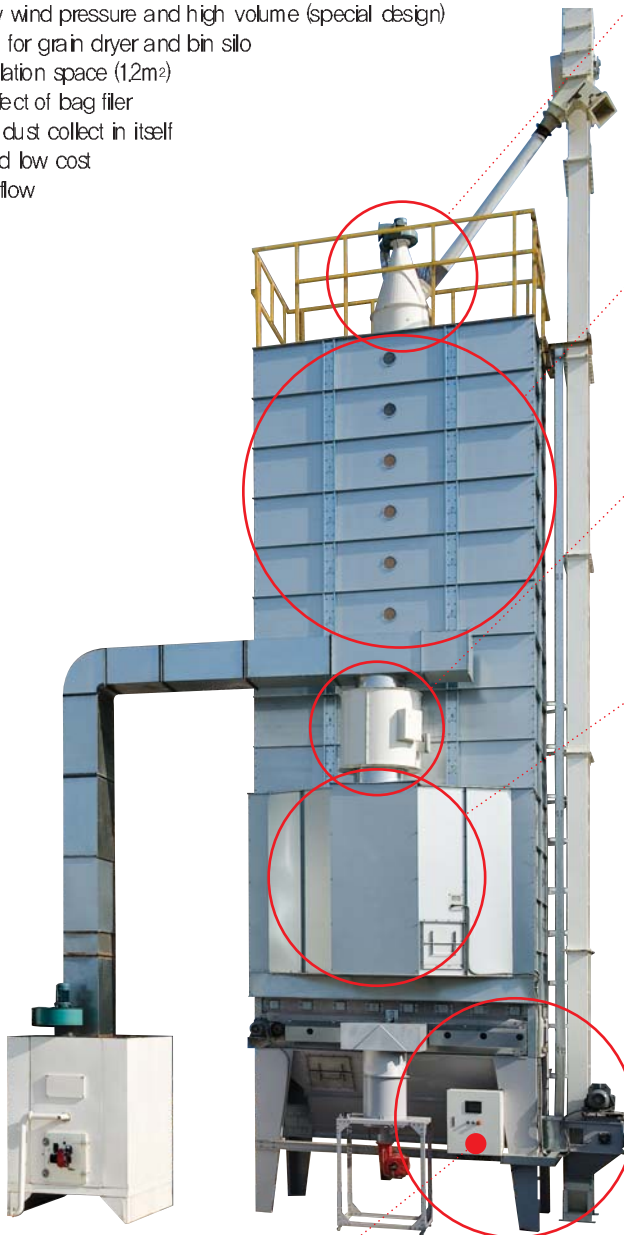
• Drying zone

- Safe and uniform drying through the inner inhale and discharge channel in lattice-type room



• Discharge zone

- quantitative discharge
- discharge speed control
- prevention of the grain damage



Chaff Burner

Oil Burner

• Auto controller

- Auto control of level, burner, moisture, temperature, discharge volume by the definite standards



• Moisture measurement DWM-MX2700

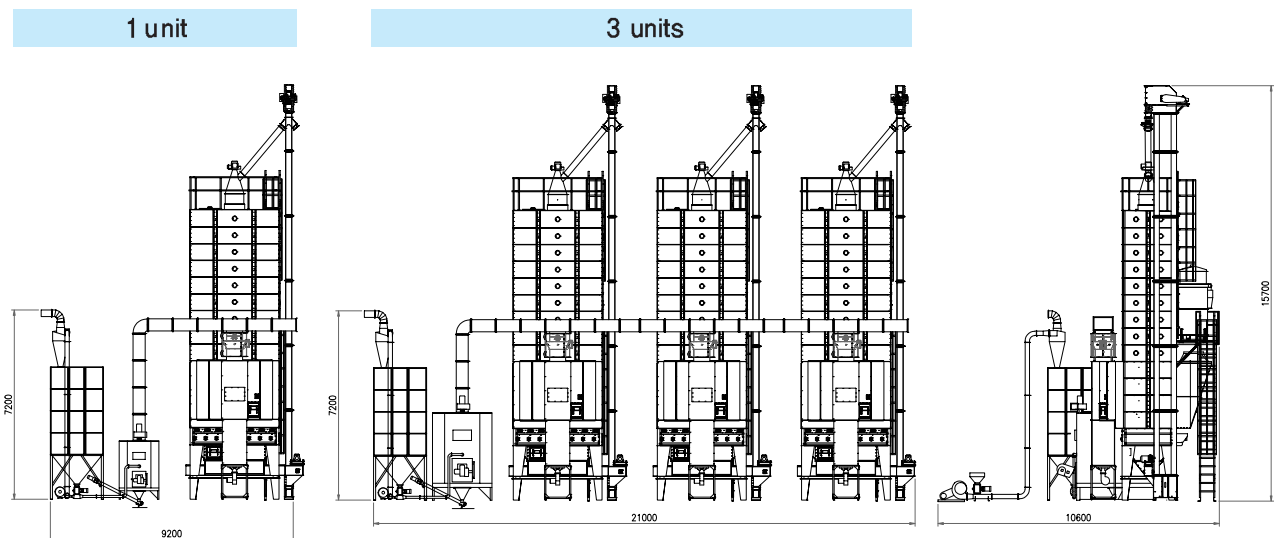
- Better accuracy by measuring the direct current electric resistance of the grain at average one by one, regardless of the whiet rice or unipen rice



Features for Good dryer

- Help the best quality grain production with low temp-drying and uniform-drying
- Reduce costs using biomass fuel like paddy chaff or wooden pellet
- Prepare high oil price to avoid using the fossil fuel
- Maintain by the minimum space and labor
- Minimize the badness grain
- Easy to maintain and work

Various systems by the production volume



DHD-30 System Specifications(in case of the paddy chaff burner)

No. of Dryer	1 dryer	2 dryers	3 dryers	4 dryers
Size(A×W×H,mm)	9200×10600×15700	15000×10600×15700	21000×10600×15700	27000×10600×15700
Power(kW)	27,6	48,15	68,75	89,35
System Weight(ton)	10	17,7	26,6	34,2
Remarks				

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