

SEED PROCESSING



H O L L A N D

FDM-4200

Rotary Dryer Coater Ø 800 mm



WORLD LEADER IN SEED PROCESSING
EQUIPMENT AND SOLUTIONS



TREATING

Rotary Dryer Coater Ø 800 mm FDM-4200

The FDM-4200, an advanced seed coater with integrated dryer, is used for automatic simultaneous coating (treating) and drying of vegetable, field crop and hemp seeds. The machine is well suited for commercial processing plants.

The main benefits for you:

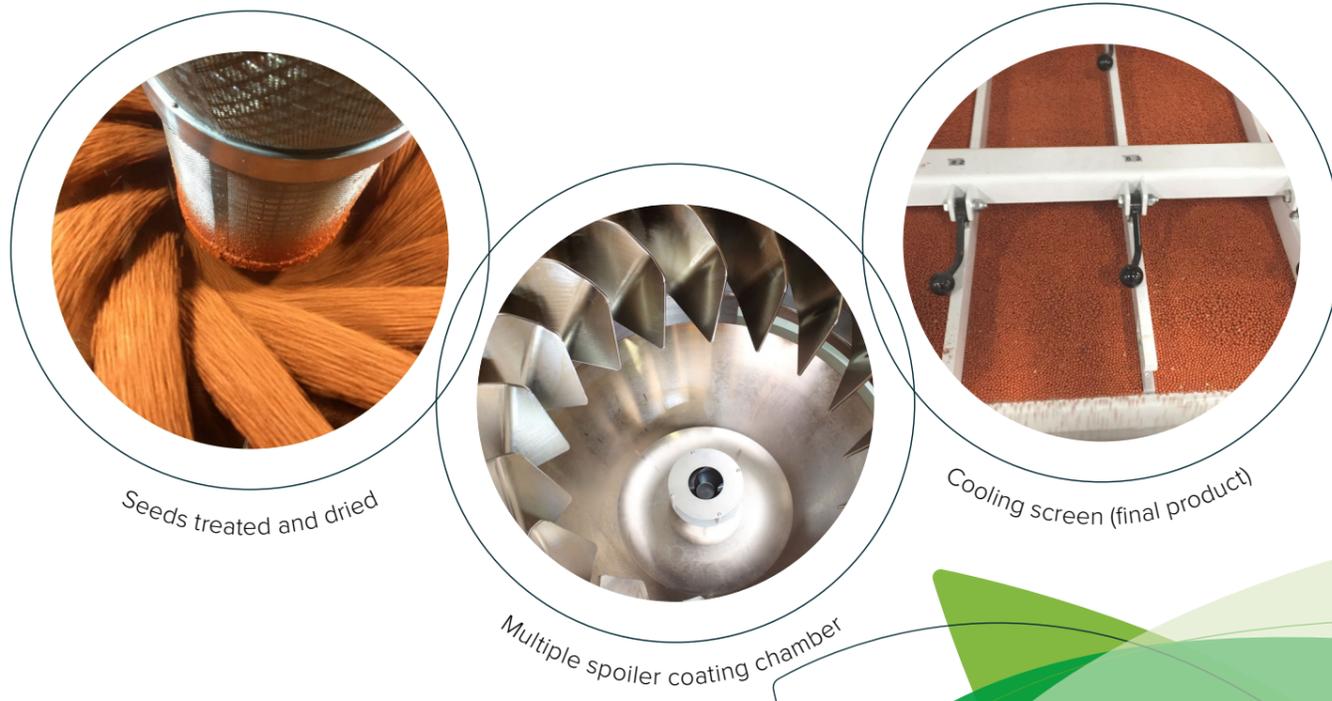
- High uniformity in seed-to-seed distribution of liquids in a closed and safe (HSE) process.
- Unique integration of coating and drying of seeds or pellets in one process.
- Application of a higher percentage of liquid (up to 50%) possible in one treatment.
- The seeds are immediately* suitable for packaging after the process.

The machine is very suitable for:

- The application of coating liquids in several layers (pumpable simultaneously or sequential).**
- Low seed treatment temperatures.
- Fungicide and insecticide applications (plant protection products).
- Fully automatic processes.

*Depending on the RH of the seeds at the start of the process and the process settings.

**Note: coating systems with integrated drying require high-grade film coating formulas in which special attention is paid to drying speed, avoiding sticking, static electricity, coverage, film formation, flow, and finally germination. For an optimal coating process, the seed temperature must be between 18 and 25 °C at the start of the process.

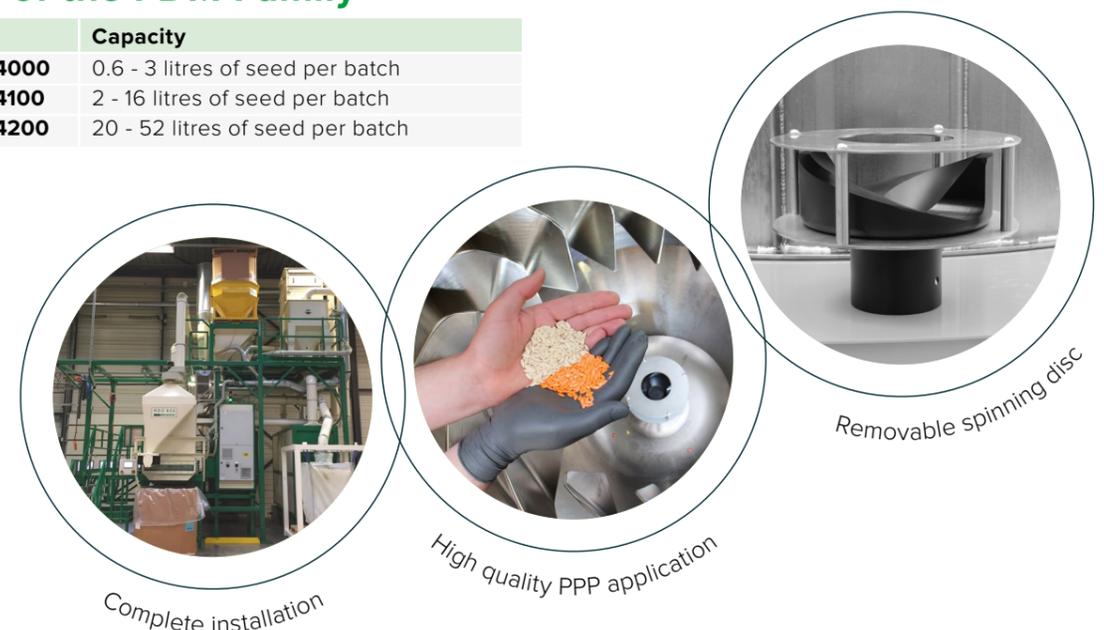


Technical description Rotary Dryer Coater Ø 800 mm FDM-4200

Capacity	
20 - 52 litres of seed per batch*	
Example: 1 litre of seed is 0,5 kg (for example spinach seed) 10 - 26 kg of seed per batch*	
Example: a batch of 25 kg	
Liquid percentage in grams	Time per batch
3 % (750 gram)	± 3 min
6 % (1500 gram)	± 5 min
12 % (3000 gram)	± 10 min
24 % (6000 gram)	± 20 min
	Max. capacity per hour**
	± 500 kg
	± 300 kg
	± 150 kg
	± 75 kg
* Indication, depending on crop, liquids, and settings.	
** Depending on the RH of the seeds at the start of the process and the process settings.	
Dimensions	Connections
Film coater: 3885 x 1330 x 3125 mm (LxWxH)	• Compressed air nominal: 6 bar
Dryer: 3610 x 1050 x 2300 mm (LxWxH)	• Dust and vapour extraction points
	• Drain connection condense water dryer, Ø 40 mm
Noise emission	Materials
< 80 dB(A) (measured without product)	Steel, plexiglass
Electrical connection	Finishing
Film coater: 400 V (± 5%), 3 phase + 0 and ground, 50 / 60 Hz (other values available on request) Installed capacity: 22.5 kW Connection value: 32 A (slow blow)	Powder coated, RAL 6029 (green) and RAL 1013 (crème)
Dryer: 400 V (± 5%), 3 fase + 0 en aarde, 50 / 60 Hz. (other values available on request) Installed capacity: 15.5 kW Connection value: 32 A (slow blow)	
	Weight
	± 2500 kg
CE	
Including	Options
• 1 Spinning disc	• Working platform
• 1 Mantle	• Level sensors
• 1 Drying ring	• Dust filter unit
• 1 Dry air suction tube	• Extra pumps and flowmeters
• 1 Pump and 1 flowmeter	

Part of the FDM Family

Type	Capacity
FDM-4000	0.6 - 3 litres of seed per batch
FDM-4100	2 - 16 litres of seed per batch
FDM-4200	20 - 52 litres of seed per batch



Our product groups



EXTRACTION



THRESHING



DISINFECTION



DRYING



CLEANING



PELLETING



TREATING



PRIMING



QUALITY CONTROL



PACKING, COUNTING
& WEIGHING



TRANSPORT



DELIVERY
FROM STOCK



REGIONAL OFFICE

Salinas
The United States
of America



HEAD OFFICE

Enkhuizen
The Netherlands

SALES OFFICE

Beijing
China

REGIONAL OFFICE

Ho Chi Minh
Vietnam

SEED PROCESSING

H O L L A N D

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