

Reliable. Accurate. Efficient.

Fluidized Bed Dryer



\*Machine pictured included configurable options

**Oliver**™  
Innovate. Build. Repeat.



# Fluidized Bed Dryer

## Dryer features:

### Heating options

- ▶ Electric
- ▶ Flame
- ▶ Propane
- ▶ Steam
- ▶ Water

### Operating control

- ▶ VFD/HIM remote control functions
- ▶ Independent zone controls
- ▶ Machine-mounted operator console

### Ease of use

- ▶ Variable Frequency Drive (VFD) control for easy adjustment of fan speed
- ▶ Separate air system for operation is not required
- ▶ Fluidization prevents erosion of the treated seed

### Performance

- ▶ Fluidizes and dries treated seed and untreated product(s) evenly
- ▶ Decks are designed and built to product specification with custom overcover and undercover screen size determined for application need
- ▶ Efficient air zone control from initial stratification through final discharge
- ▶ Removes as much as 800 pounds of moisture per hour

### Configurations

- ▶ UL and CUL electrical cabinets are available for efficient machine installation and wiring
- ▶ Custom scalp screen available to add an extra mode to prevent clumping at discharge
- ▶ Heated dryer package options available: steam, water, natural gas, propane, and electric



Treated vs. non-treated seed



Treated sunflower seeds



Treated corn



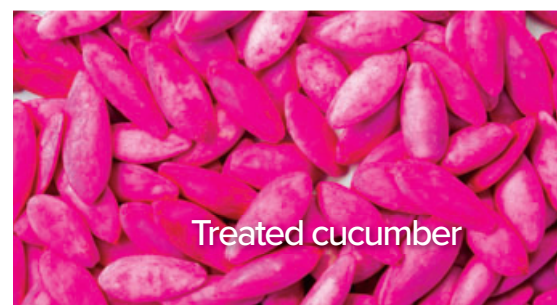
Treated soy beans



Treated wheat



Treated rice



Treated cucumber

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# Specifications

Machine model ▶	FBD 307	FBD 410	FBD 512	FBD 616
Height	82" (209 cm)	84" (213 cm)	94" (239 cm)	105" (268 cm)
Width	68" (173 cm)	64" (163 cm)	76" (193 cm)	110" (279 cm)
Length	114" (290 cm)	154" (391 cm)	196" (498 cm)	260" (660 cm)
Weight	2,850 lbs (1,293 kg)	4,000 lbs (1,814 kg)	5,600 lbs (2,540 kg)	7,600 lbs (3,447 kg)
Deck size	36" x 84" (91 cm x 213 cm)	48" x 120" (122 cm x 305 cm)	60" x 144" (152 cm x 366 cm)	72" x 207" (183 cm x 526 cm)
Air/fan zone	2	2	3	3
CFM maximum	9,000 (255 m <sup>3</sup> /m)	18,000 (510 m <sup>3</sup> /m)	27,000 (765 m <sup>3</sup> /m)	32,000 (906 m <sup>3</sup> /m)
Estimated water removal	150 lbs/hr (68 kg/hr)	332 lbs/hr (151 kg/hr)	500 lbs/hr (227 kg/hr)	800 lbs/hr (363 kg/hr)
Estimated capacity (soy) ambient*	315 lbs/min (143 kg/min)	600 lbs/min (272 kg/min)	900 lbs/min (408 kg/min)	1,440 lbs/min (653 kg/min)
Estimated power @ 480V 3 Phase	60A	65A	70A	70A
Warranty	1 year	1 year	1 year	1 year



Oliver FBD 410 Dryer

\* Temperature and humidity can cause capacity variation

What else can your Oliver do? Find out at [olivermanufacturing.com](http://olivermanufacturing.com).



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