



WHITLOCK-MATERIAL HANDLING

CDS SERIES CENTRAL DRYING SYSTEMS



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AEC's Central Drying Systems feature an energy-efficient design that reduces material changeover times, saving space, energy and labor costs. AEC's central drying systems are custom designed to enable our customers to dry several different resins or different colors at the same time using one central dryer with multiple hoppers. Systems capacities range from 5 to 6,000 lbs./hr (2.27-2,722 kg/hr).

STANDARD FEATURES

- Rugged construction
- Isolation valve
- Compact design
- For use with 15-3000 cfm (25-5100 m³/hr) dryers and 0.85-9.0 cu. ft. (25-250 liter) stainless steel drying hoppers or 12-30 cu. ft. (340-850 liter) stainless steel or carbon steel drying hoppers (sold separately)
- Carts available in 1-, 2-, or 3-hopper configurations for maximum flexibility
- Delivery and return air manifold
- 0.85-9.0 cu. ft. (25-250 liter) stainless steel drying hoppers
- 12-30 cu. ft. (340-850 liter) carbon steel drying hoppers

OPTIONAL FEATURES

- 12-30 cu. ft. (340-850 liter) stainless steel drying hoppers
- 15-3000 cfm (25-5100 m³/hr) dehumidifying dryers
- Air heat booster
 - Heat directly at the drying hopper with complete flexibility of temperature settings
- Air booster
- Material miser valve
- Purge and dry air conveying
- Bypass valve (standard on 4+ hopper systems)
- Insulated delivery air manifold
- Material take off boxes



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BENEFITS

- Allows for quick mold changes by changing the material conveying route from one hopper to the next without having to empty and clean the hopper
- Reduces material inventory at the machine and reduces the chances of the material gaining moisture
- Reduces chances of accidents on the shop floor because the hopper is no longer located on top of the processing machine
- For use with 15-3000 cfm (25-5700 m³/hr) dryers and 0.85-9.0 cu. ft. (25-250 liter) stainless steel drying hoppers or 12-30 cu. ft. (340-850 liter) stainless steel or carbon steel drying hoppers (sold separately)
- Carts available in 1-, 2-, or 3-hopper configurations for maximum flexibility

Cart	# of hoppers	Drying hoppers, cu. ft. (liter)	Depth, in. (D)	Width, in. (W)
CRT-1	2	0.85-1.7 (25-50)	34	49
CRT-2	3	0.85-1.7 (25-50)	34	69
CRT-3	2	0.85-9.0 (25-250)	34	59
CRT-4	3	0.85-9.0 (25-250)	34	89
CRT-5	1	12-30 (340-850)	48	46
CRT-6	2	12-30 (340-850)	48	86

For larger hoppers, consult factory



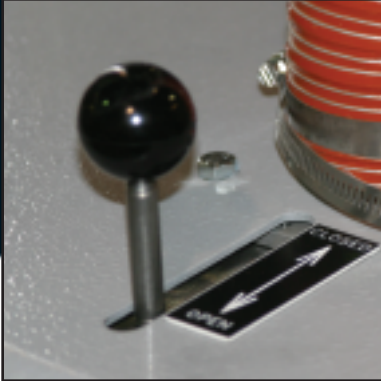
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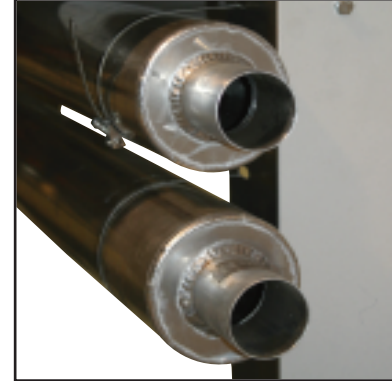
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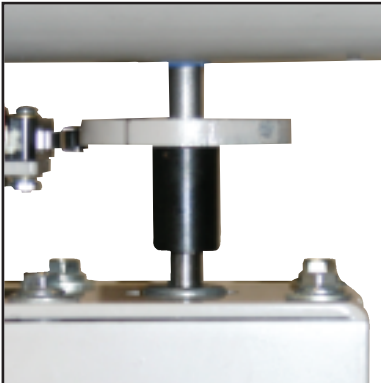
ISOLATION VALVE

Isolates hoppers individually so a single hopper can have a material change, while remaining hoppers continue operating.



MANIFOLDS

Modular and easy to connect, the manifolds make future expansions possible.



MATERIAL MISER VALVE

Automatically balances airflow between hoppers—prevents material overdrying and saves energy because excess air is not heating.



AIR HEATER

Optional feature that controls and maintains separate air temperatures for each hopper.



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WHITLOCK/
MATERIAL
HANDLING



HEAT & COOL



BLEND &
RECLAIM



HELMOR/
GRANULATE



DOWNSTREAM
EXTRUSION



AUTOMATE



SYSTEMS
CONTRACTING

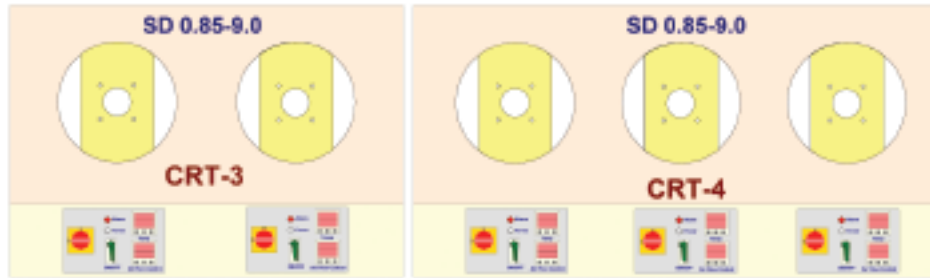


SERVICE



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Carts available in 1-, 2-, or 3-hopper configurations for maximum flexibility. Allows multiple hoppers to be grouped together.



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