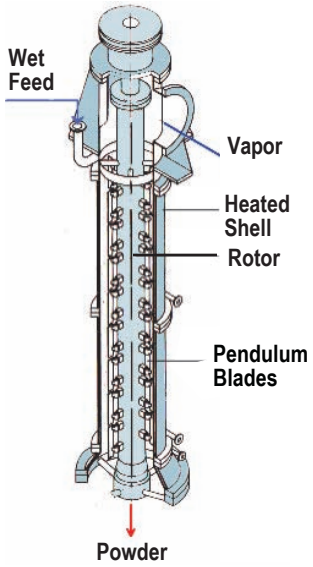
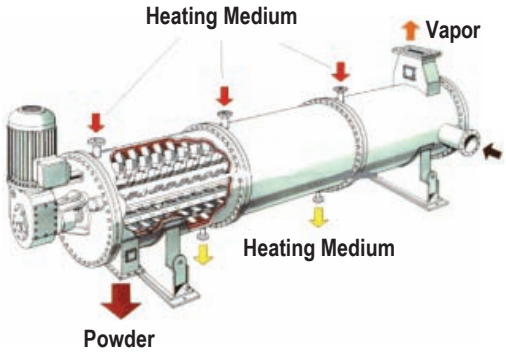
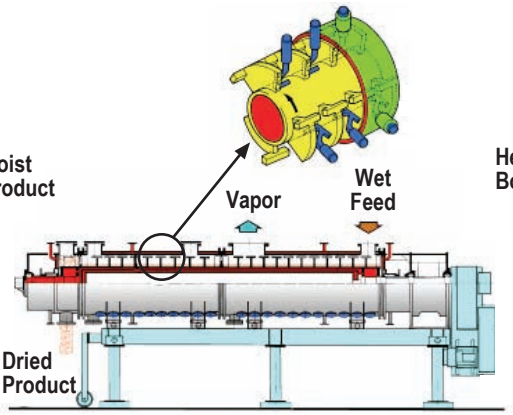
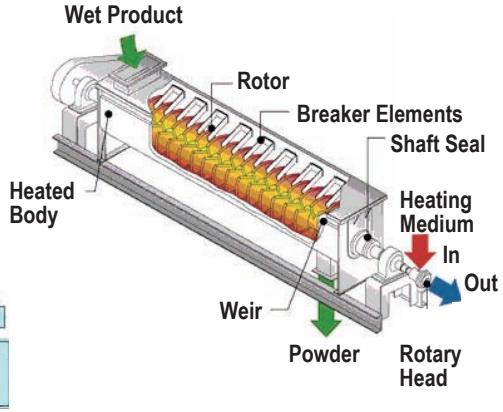
LCI Dryer Designs









	Vertical CP Dryer	Horizontal D Dryer	Combi Dryer	Reactotherm® Dryer	Rovactor® Dryer
Feed Characteristics	Solutions Pumpable slurries	Wet powders or cakes	Solutions Pumpable slurries	Slurries and solutions Cakes and wet powders	Wide range of feeds
Powder Characteristics	Free flowing Must be shear stable	Free flowing Must be shear stable Produces dry powders	Free flowing Must be shear stable Produces dry powders	Produces dry powders Handles crumbs	Produces dry powders Requires free flowing powders
Residence Times	Approximately 1 minute	Approximately 4 minutes	Approximately 6 minutes	1 - 8 hours	1 - 8 hours
Back Mixing	Virtually NONE	Limited back mixing	Limited back mixing	High	High
Special Features	Easy to control High heat transfer Short heat history	Fouling materials okay Heats and cools in one machine	Easy to control Can cool in same system	Batch or continuous Low shear history Viscous, pasty, fouling materials Breaks up lumps Largely self-cleaning	Batch or continuous Low shear history

LCI Corporation • PO Box 16348 • Charlotte NC 28297 USA • 704-394-8341
www.lcicorp.com • email info@lcicorp.com