

Supplementary Materials: Impact of Particle and Equipment Properties on Residence Time Distribution of Pharmaceutical Excipients in Rotary Tablet Presses

Table S1: Overview of applied experimental set ups.

Tablet Press	Bulk Material	Tracer Material	Dosing Paddle Geometry	Turret Speed [rpm]	Paddle Speed [rpm]
XL 100	MCC	MCC	Rectangular, straight	20	5
					20
					60
				40	5
					20
					60
				60	5
					20
					60
	DCP	DCP	Rectangular, straight	20	5
					20
					60
				40	5
					20
					60
XL 400	DCP	DCP	Rectangular, curved	20	5
					20
					60
				40	5
					20
					60
				60	5
					20
					60
	DCP	DCP	Round, curved	20	20
					40
					60
				40	20
					40
					60
				60	20
					40
					60

Table S2. Overall run duration of RTD experiments for applied experimental set ups.

Tablet Press	Bulk Material	Turret Speed [rpm]	Run Duration [min]
XL 100	DCP	20	26
		40	19
		60	16
	MCC	20	19
		40	19
		60	11.5
XL 400	DCP	20	18
		40	9.83
		60	5.45