



Screen-Print Ink Cure Requirements & Print Production Speed Calculator

Calculating Required Dryer Chamber Length to achieve Targeted Production Rate and Ink Cure Dwell Time

Screen Print Press Production Speed (Pieces Per Hour)	Garment Space Required on Dryer Belt (In Inches)	Desired Space between Garments (In Inches)	Number Of Garments Across Dryer Belt
500	18	1	2
Required Dryer Belt Speed (Feet Per Minute)	Required Dwell Time to Cure Ink (In Seconds)	Required Oven Chamber Length to Achieve Production Speed and Full Cure (In Feet)	
6.5972222	90	9.9	

Shaded Cells are for Data Entry

This example demonstrates the length of oven chamber required to maintain a production rate of 500 (41.66 Dozen) garments per-hour at a 90second dwell time to effect full cure of the ink on garment

Calculating Achievable Production Rate with Fixed Dryer Chamber Length and Ink Cure Dwell Time

Screen Print Press Production Speed (Pieces Per Hour)	Garment Space Required on Dryer Belt (In Inches)	Desired Space between Garments (In Inches)	Number Of Garments Across Dryer Belt
379	18	1	2
Dryer Belt Speed (Feet Per Minute)	Required Dwell Time to Cure Ink (In Seconds)	Oven Chamber Length (In Feet)	
5	120	10.0	

Shaded Cells are for Data Entry

This example demonstrates the maximum obtainable production rate achievable with a specified 10' oven chamber length, and 120 second dwell time to effect full cure of the ink on garment