



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
960	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)	
12.666667	45	9.5	

Shaded Cells are for Data Entry

This example demonstrates the length of oven chamber required to maintain a production rate of 960 (80 Dozen) garments per-hour at a 45 second 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
1,011	18	1	2
Dryer Belt Speed (Feet Per Minute)	Required Dwell Time to Cure Ink (In Seconds)	Oven Chamber Length (In Feet)	
13.333333	45	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 45 second dwell time to effect full cure of the ink on garment