



## 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
<b>960</b>	<b>18</b>	<b>1</b>	<b>2</b>
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)	
<b>12.666667</b>	<b>45</b>	<b>9.5</b>	
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
<b>1,011</b>	<b>18</b>	<b>1</b>	<b>2</b>
Dryer Belt Speed (Feet Per Minute)	Required Dwell Time to Cure Ink (In Seconds)	Oven Chamber Length (In Feet)	
<b>13.333333</b>	<b>45</b>	<b>10.0</b>	
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