



Dryer Production Speed Calculator

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
922	24	1	2
Dryer Belt Speed (Feet Per Minute)	Required Dwell Time to Cure Ink (In Seconds)	Oven Chamber Length (In Feet)	
16	30	8.0	

Shaded Cells are for Data Entry

This example demonstrates the maximum obtainable production rate achievable with an 8' oven chamber length with a 30 second dwell time to effect full cure of the ink on garment



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461	24	1	2

Dryer Belt Speed (Feet Per Minute)	Required Dwell Time to Cure Ink (In Seconds)	Oven Chamber Length (In Feet)
8	60	8.0

Shaded Cells are for Data Entry

This example demonstrates the maximum obtainable production rate achievable with an 8' oven chamber length with a 60 second dwell time to effect full cure of the ink on garment



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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
307	24	1	2
Dryer Belt Speed (Feet Per Minute)	Required Dwell Time to Cure Ink (In Seconds)	Oven Chamber Length (In Feet)	
5.33333333	90	8.0	

Shaded Cells are for Data Entry

This example demonstrates the maximum obtainable production rate achievable with an 8' oven chamber length with a 90 second dwell time to effect full cure of the ink on garment