

# SMAC Shrinkage Measurement and Control

Marking Module

SMAC Controller

Detection Module



**SMAC** is the next generation on-line system that accurately and continuously measures and monitors fabric shrinkage/elongation in the finishing department

**SMAC** utilizes unique "signature" marking technology to measure the actual shrinkage of the fabric

- These "signature marks" are applied at the entry end of the production process and then measured at the exit end
- **SMAC** technology does not interfere with any subsequent processing and is not detectable by the end customer
- **SMAC** algorithms calculate the fabric shrinkage to an accuracy within 1.0mm!
- **SMAC** shrinkage is displayed graphically to the operator
- Shrinkage targets and tolerances are tracked by **SMAC**
- The **SMAC** system alerts the operator if tolerances are exceeded
- **SMAC** transmits all shrinkage information to **SMACsoft**

**SMACsoft** is the central software extension of the **SMAC** system. This Windows based system allows for the collection of shrinkage information by Article, Machine, Shift and Operator providing statistical analysis capability

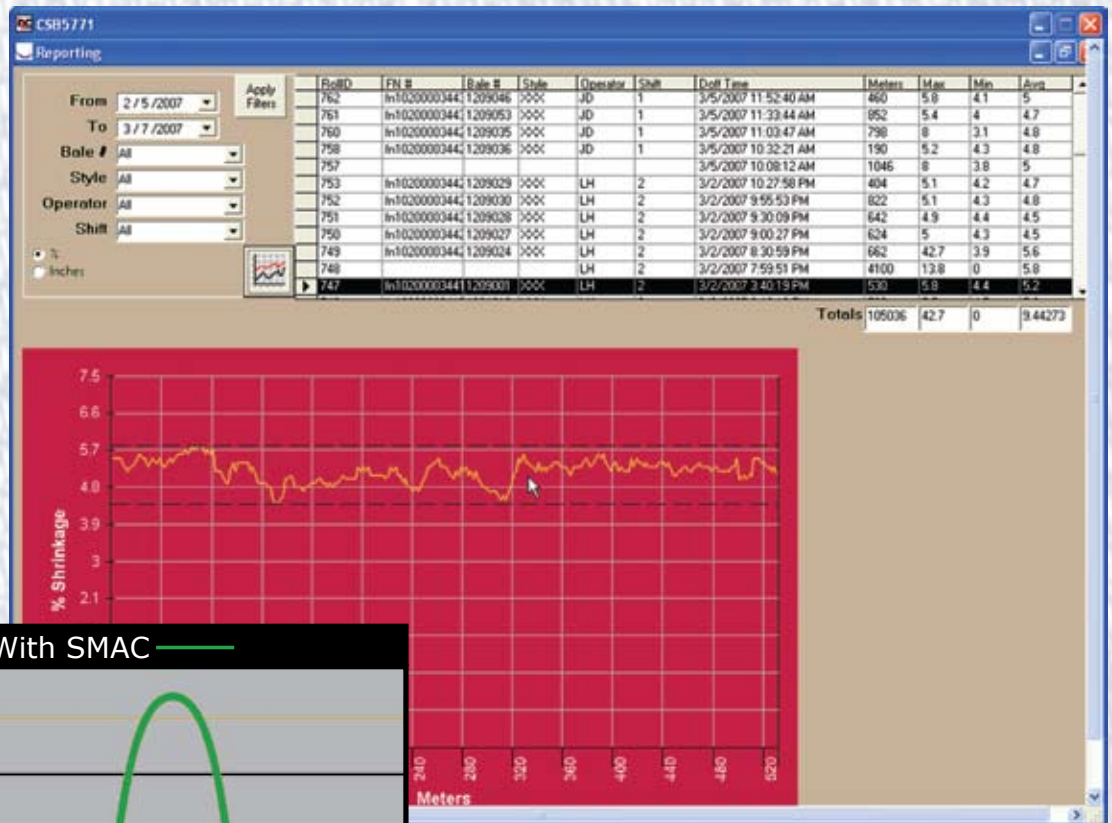
The **SMACpro** control option interfaces with your compressive shrinkage range, directing rubber belt pressure and palmer speed

# SMAC Technology Maximizes Profits!

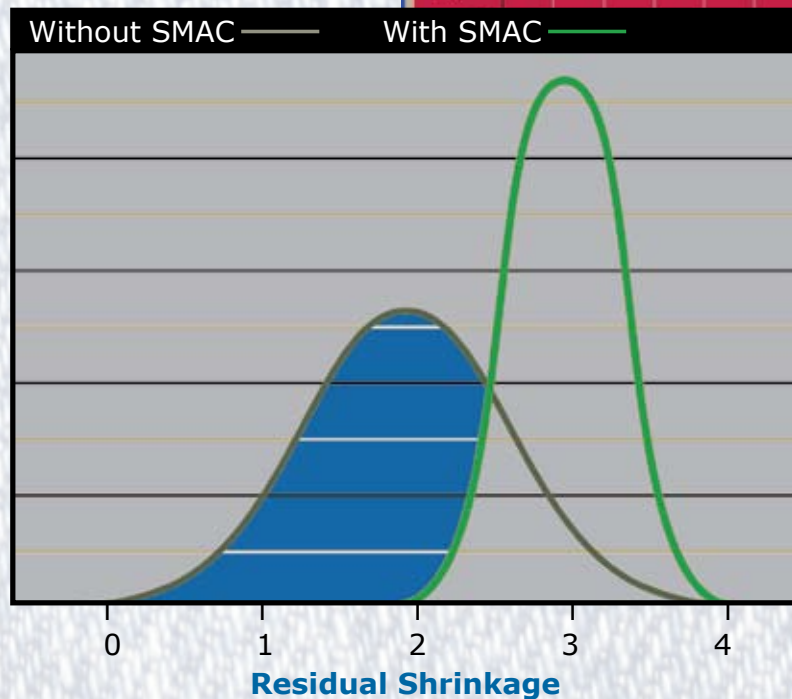
■ **SMAC** combined with **SMACsoft** allows you to document your fabric's residual shrinkage to your customer

■ The accuracy and continuous measurement by **SMAC** assures a much more consistent residual shrinkage from the beginning to the end of the lot and from roll to roll

■ The shaded area under the curve represents overshrinkage or "profit opportunities"



**SMACsoft**



■ Maximum Consistent Residual Shrinkage= Maximum Fabric Yield= Maximum Profits

■ Customer returns and complaints are "optimized"

■ Minimizing "Wash Test Failures" reduces expensive reprocessing of fabric

■ **SMAC** helps you meet the toughest Export Standards for shrinkage

	Example Factory	Your Factory
Working weeks per year	50	
Meters produced per week	700,000	
Meters produced per year	35,000,000	
Selling price per linear meter (USD)	\$3.00	
<b>Total sales</b>	<b>\$105,000,000</b>	
Percent reduction in overshrinkage using <b>SMAC</b>	0.50%	
<b>Annual savings (USD)</b>	<b>\$525,000</b>	
Number of Compressive Shrinking Ranges	2	
<b>SMAC</b> investment per CSR		
<b>Total investment</b>		
<b>Return on investment (number of years)</b>		

**Calculate your Return on Investment**



1295 McCullough Road • Hampton, GA 30228, USA  
 phone +1 (678) 884-0527 • fax +1 (678) 228-1862  
 www.stanfordtechnologies.us  
 info@stanfordtechnologies.us

