



# BSP Pakistan FH Developments SHM, Goebel, A4 Line Through SAEL





# SHM Sheeting Machine

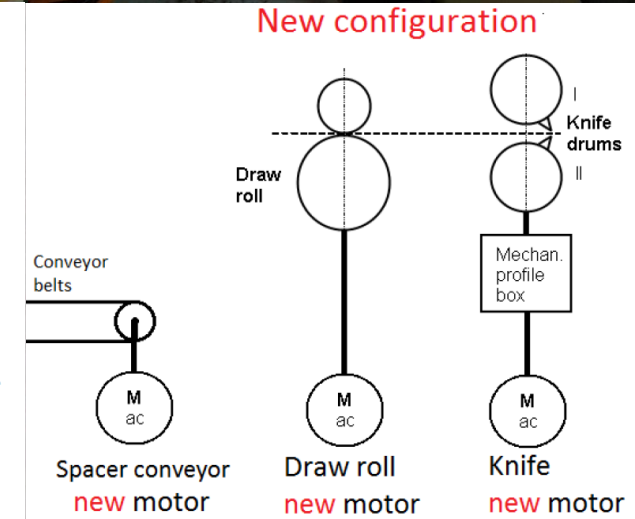
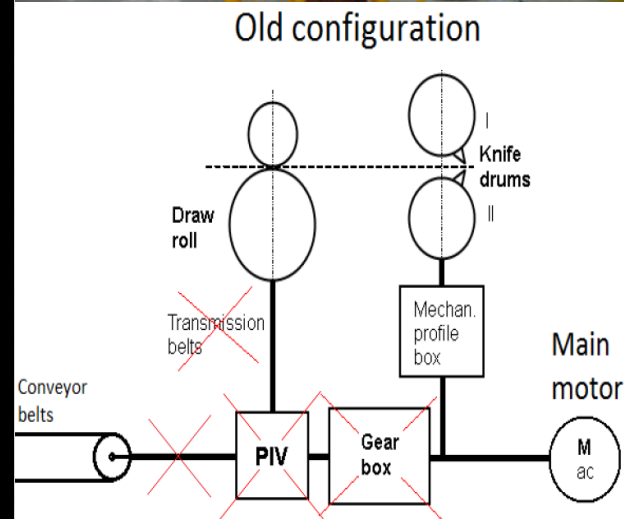
## BSP Pakistan

Description	Before	After
Machine Speed	130 MPM	<b>275 MPM</b>
Through Put (Tons)	400 Tons	<b>1500 Tons</b>
E & I Down Time Rate	10 %	<b>0.5 %</b>
Online Counting	No	<b>Yes</b>
Paper Running	No	<b>Yes</b>
Board Running	Yes	Yes
Board Double Reel < 200 Gsm	No	<b>Yes</b>
Auto Tension Control	No	<b>Yes</b>
Auto Size Control	No	<b>Yes</b>
Auto Squareness Control	No	<b>Yes</b>
Auto Pile Change Over	No	<b>Yes</b>

**Before**



**After**



# Geobel Slitting Machine

## BSP Pakistan

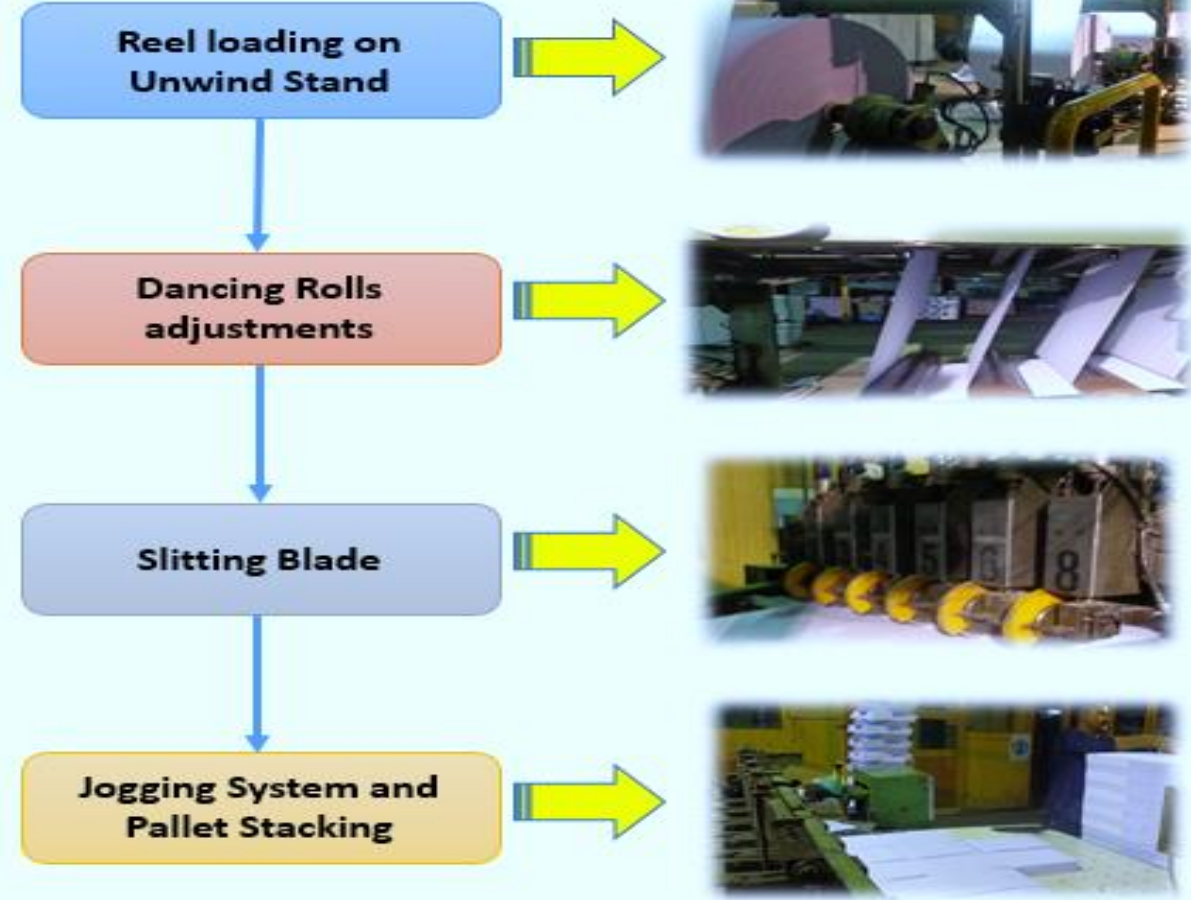
Description	Before	After
Machine Speed	250 MPM	<b>500 MPM</b>
Through Put (Tons)	250 Tons	<b>425 Tons</b>
E & I Down Time Rate	8 %	<b>0 %</b>
Winding Quality	Good	<b>Excellent</b>
Auto Tension Control	No	<b>Yes</b>
Auto Speed Control	No	<b>Yes</b>
Auto Reels Offloading	No	<b>Yes</b>
Auto Outer Dia control	No	<b>Yes</b>





# A4 Machine BSP Pakistan

Description	Before	After
Through Put (Packets)	10,500 Pac/Day	<b>15,000 Pac/Day</b>
Auto Tension Control	No	<b>Yes</b>
Auto Size Control	No	<b>Yes</b>
Cutting Quality	Good	<b>Excellent</b>
E & I Down Time Rate	10 %	<b>0 %</b>



UNWINDERS - BIELOMATIK A4

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0.0 [m/min]

	REEL 1	REEL 2	REEL 3	REEL 4
Tension [%]	90	60	60	90
Core diameter [mm]	75	75	75	75
Width [mm]	1070	1070	1070	1070
Pressure [Bar]	0.00	0.00	0.00	0.00
Diameter [mm]	839	872	886	758
Tension offset [%]	0	Tension parking [%]		100





**Bulleh Shah**  
P a c k a g i n g  
A Stora Enso – Packages Joint Venture

*Thank you*