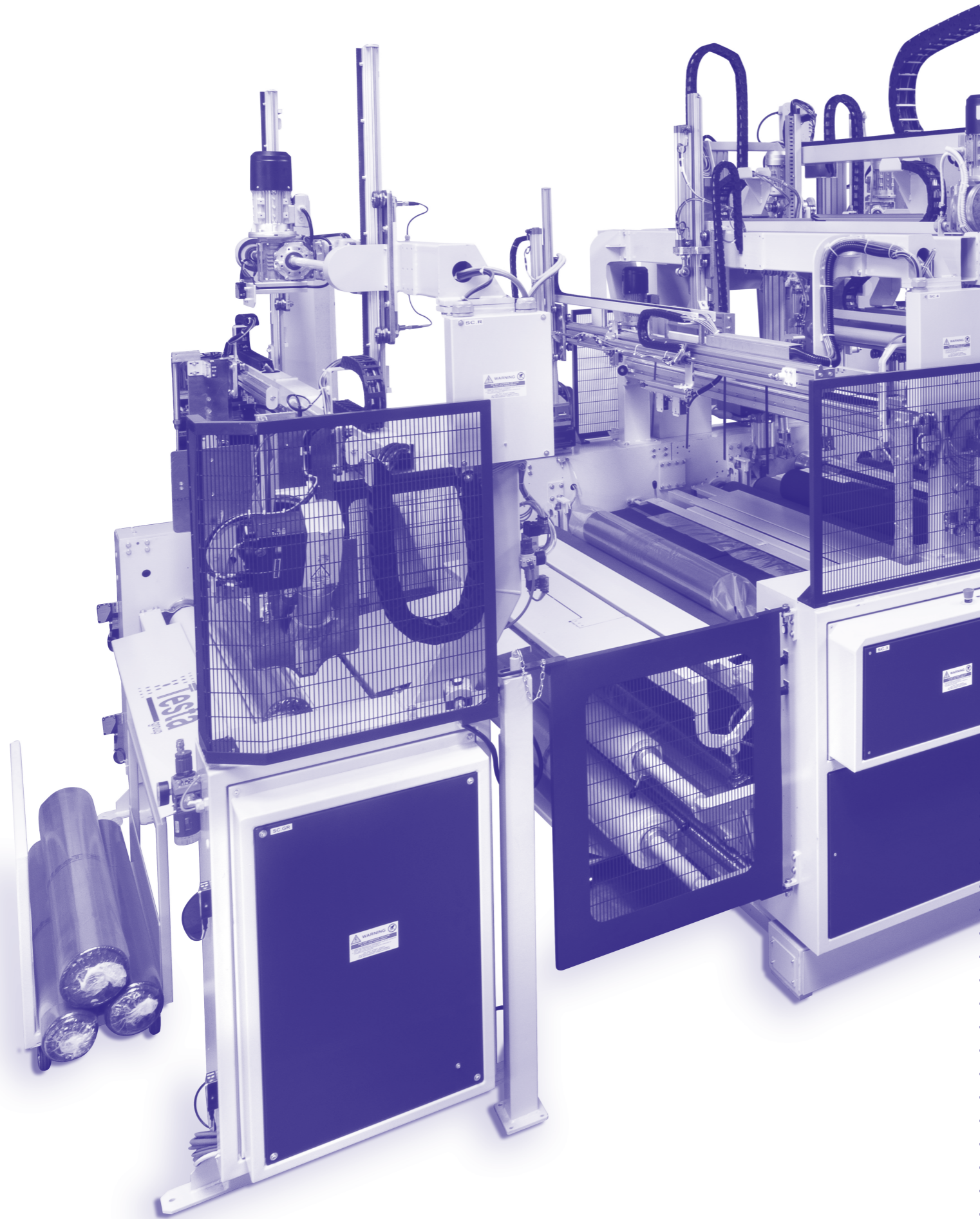




**Optimized
Cutting plan**

**Optimization
of the cutting plan for
extraordinary performance**



Our family of SuperTestaRossa machines for an optimized cutting table achieves exceptional cutting speeds: up to 300 m per minute, for a daily productivity threshold of 65,000 to 90,000 m. The ideal solution for cutting large quantities of fabric, aiming at an optimized management of the inspection and cutting phase in order to

obtain a greater number of first choice cuts, contain the amount of production waste and reduce the number of machines involved in the process of roll packaging.

Traditional inspection gives way to automation

Our optimized cutting plans are a revolution in the world of textile inspection. Automation plays a fundamental role in achieving increasingly competitive results. Optimizing production means for us giving value to every meter of fabric, but also to every person involved and to every second dedicated to the preparation and packaging of the rolls.

Why choose the optimized cutting plan

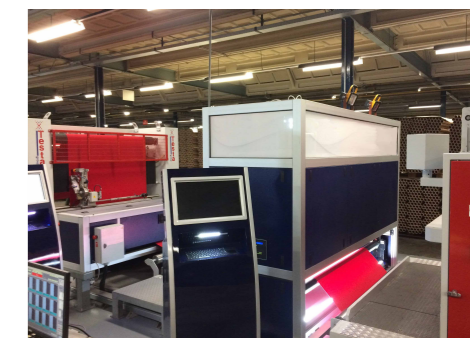
- Increase in first choice cuts with an average statistical value of 2%
- Consequent reduction of fabric waste and second choice cuts
- High production speed
- Reduction of the number of machines and operators involved in the process
- Consequent reduction of the required energy consumption
- Reduction of the necessary dimensions
- Greater uniformity in inspection criteria
- Less chance of human errors

Optimized cutting plan

The process

Fabric inspection

In this first phase, in which no cut is made, an accurate inspection is performed to obtain a detailed mapping of the defects and characteristics of the entire fabric lot. It can take place in traditional mode with an operator or through artificial inspection with cameras.



Cutting optimization

Taking into account the mapping of the defects of the fabric batch, the optimization criteria inherent to the customer's production and the functionality of the cutting machines, the points in which to cut the fabric are precisely identified in order to

achieve the greatest number of cuts than before, quality and the fewest cuts to discard.

Length	%	#PC	Length	%	#PC	Length	%	#PC	2 short	Rank	Eff.	
2350.20	97.9	15	0.00	50.80	2.1	4	0.00	0.0	0	0.00	148.87	97.89
0.00	159.16	159.16	0.00	0.00	0.00	1	143.23	6.9	11	N		
159.16	160.31	1.15	0.00	0.00	0.00	8	0.0	0.0	0	N		
160.31	319.47	159.16	0.00	0.00	0.00	1	168.87	11.2	18	N		
319.47	320.62	1.15	0.00	0.00	0.00	8	0.0	0.0	0	N		
320.62	482.75	162.13	0.00	0.00	0.00	1	135.22	6.0	13	N		
482.75	483.90	1.15	0.00	0.00	0.00	8	0.0	0.0	0	N		
483.90	520.20	36.30	0.00	0.00	0.00	2	60.61	2.0	8	N		
520.20	679.36	159.16	0.00	0.00	0.00	1	260.32	11.2	18	N		
679.36	680.51	1.15	0.00	0.00	0.00	8	0.0	0.0	0	N		
680.51	839.67	159.16	0.00	0.00	0.00	1	181.29	10.0	16	N		
839.67	840.82	1.15	0.00	0.00	0.00	8	0.0	0.0	0	N		
840.82	999.98	159.16	0.00	0.00	0.00	1	75.12	6.2	10	N		
999.98	1001.13	1.15	0.00	0.00	0.00	8	0.0	0.0	0	N		
1001.13	1160.29	159.16	0.00	0.00	0.00	1	162.26	8.1	13	N		
1160.29	1161.44	1.15	0.00	0.00	0.00	8	0.0	0.0	0	N		
1161.44	1320.60	159.16	0.00	0.00	0.00	1	181.21	6.9	11	N		
1320.60	1321.75	1.15	0.00	0.00	0.00	8	0.0	0.0	0	N		
1321.75	1480.91	159.16	0.00	0.00	0.00	1	100.16	5.6	9	N		
1480.91	1482.06	1.15	0.00	0.00	0.00	8	0.0	0.0	0	N		
1482.06	1641.22	159.16	0.00	0.00	0.00	1	175.26	11.2	18	N		
1641.22	1642.37	1.15	0.00	0.00	0.00	8	0.0	0.0	0	N		

Execution of the cut




The cutting plan resulting from the optimization process is performed according to the automatism made available by the cutting machine, while the operator only has to refill the consumables. The SuperTestaRossa model performs the required production cycles in a fully automated way:

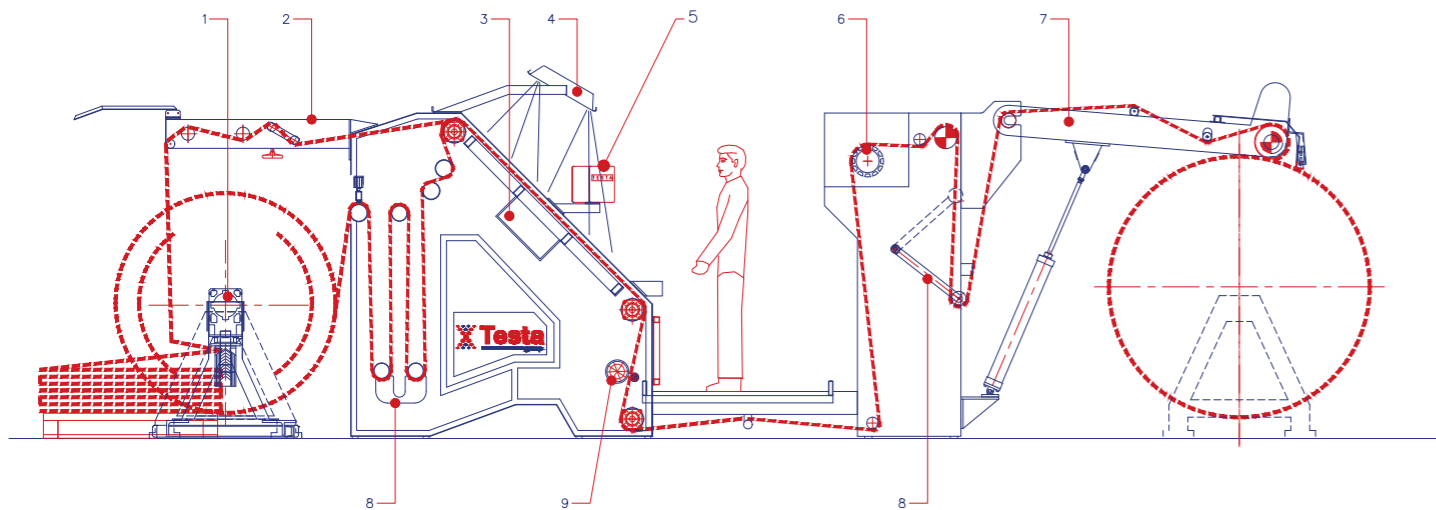
- Unwinding the fabric
- Automatic feeding of cardboard tubes
- Restart of the new roll
- Cross cut

- Rejection of defects / seams / samples
- Picking up the fabric after cutting
- Sample labeling
- Packaging of rolls with plastic film
- Final labeling of the rolls
- Segregation of rolls in final destinations




MOD. 111 BF

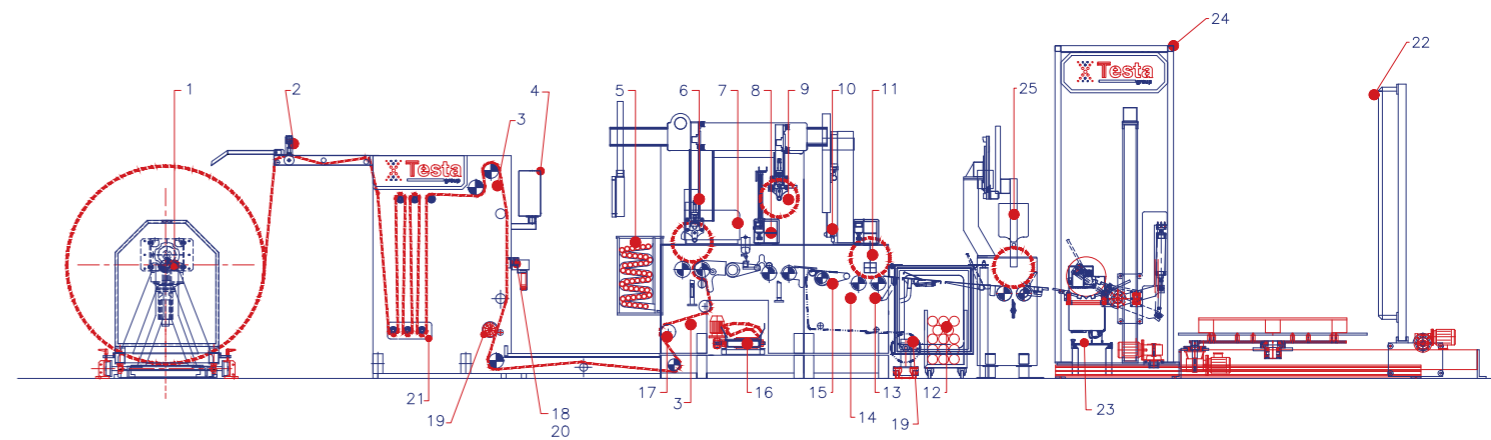
-  DRIVEN CYLINDER
-  IDLER ROLL
-  SCROLL CYLINDER



- | | |
|----------------------|---------------------|
| 1. input big roll | 6. centering device |
| 2. input by flap | 7. tangential arm |
| 3. internal light | 8. compensator |
| 4. external light | 9. meter counter |
| 5. touchscreen panel | |

MOD. SUPERTESTAROSSA

-  DRIVEN CYLINDER
-  IDLER ROLL
-  SCROLL CYLINDER



- | | |
|---|----------------------------------|
| 1. unwinding mod. 130 | 14. internal weighing |
| 2. stop-fabric device | 15. plastic |
| 3. antistatic bar | 16. reject conveyer |
| 4. touchscreen panel | 17. zig-zag system |
| 5. hopper | 18. I.R. synchro reader |
| 6. automatic start with hot melt system | 19. meter counter |
| 7. automatic fabric cutting | 20. sewing reader device |
| 8. samples labeller | 21. compensator |
| 9. automatic restart of roll | 22. palletization device |
| 10. automatic plastic cutting | 23. external labeller |
| 11. internal labeller | 24. lifter |
| 12. automatic fabric reject on tube | 25. lateral closing with hot air |
| 13. longitudinal closing | |

Our certifications
Le nostre certificazioni



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