



SPARE PARTS CATALOGUE

THE COMPANY



For 50 years, Bianco® has been designing and manufacturing machinery with advanced technology for **textile finishing**, the **technical textile industry** and the **non-woven industry**. Founded in 1974, Bianco® is still a dynamic company with considerable history and professionalism. It employs designers with great experience, passion, absolute dedication and unparalleled technical expertise. **With more than 40,000 installations worldwide and 30 registered patents**, Bianco® proudly reaches 50 years of excellence in textiles in 2024.

SMART FACTORY

Industry 4.0 conveys the concept of **smart factory** which consists of 3 parts:

SMART PRODUCTION: New production technologies that create collaboration between all the elements present in the production or **collaboration between operator, machines and tools**.

SMART SERVICE: All the "IT infrastructures" and techniques that enable systems to be integrated; but also all the structures that allow, in a collaborative way, to **integrate the companies** (supplier - customer) **between them and with the external structures** (roads, hubs, waste management, etc.).

SMART ENERGY: All this always with a keen eye on energy consumption, creating more **performing systems** and reducing energy waste according to the paradigms of Sustainable Energy.

GREEN FACTORY

The **ACIMIT** (Association of Italian Textile Machinery Manufacturers) **Green Label** is a document that aims to identify and make easily comprehensible the **energetic and environmental qualities** of textile machinery. Awareness of the technological excellence achieved, also with regard to sustainability, is indeed one of the strengths of Bianco®.



TCN Group is the cutting-edge industrial hub grouping the activities of **Bianco®** (textile, packaging and industrial automation machinery manufacturing), **TCN** (precision machining), **TCN VD** (automotive and motorcycles), **Thok E-Bikes** (pedal-assisted mountain bikes), **Albamobility** (electric quadricycles), **Galup** (recurrence cakes and leavened goods), **Golosi di Salute** (confectionery products), **Pasticceria Cuneo** (gluten-free desserts), **Mandrite Melis** and **Streglio** (chocolate).



AEO AUTHORIZATION

INDEX



Bianco® has obtained the Authorized Economic Operator (AEO) authorization issued by the National Customs Administration to economic operators residing in European countries that meet **high security and reliability requirements** and guarantees a number of direct and indirect benefits including **reduction of customs clearance time and costs**, facilitates relations with national and international customs authorities, simplifying and speeding up control procedures. The company, in its constant path of growth and internationalization, has understood the need and importance of qualifying as a virtuous company within the international trade chain.

OBTAINED AEO AUTHORIZATION:
 RECOGNIZED HIGH STANDARDS OF RELIABILITY AND SAFETY



- ✓ • first Italian company in the **textile machinery** sector
- • **streamlined** customs procedures
- • reduced **customs clearance time and costs**
- • **priority** clearance
- • highest level of **reliability**

TCN Group is the cutting-edge industrial hub grouping the activities of **Bianco®** (textile, packaging and industrial automation machinery manufacturing), **TCN** (precision machining), **TCN VD** (automotive and motorcycles), **Thok E-Bikes** (pedal-assisted mountain bikes), **Albamobility** (electric quadricycles), **Galup** (recurrence cakes and leavened goods), **Golosi di Salute** (confectionery products), **Pasticceria Cuneo** (gluten-free desserts), **Mandrite Melis** and **Streglio** (chocolate).



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HOW TO READ THIS CATALOGUE

Bianco® Spare Parts Catalogue is a publication meant to **showcase the most important Bianco® finishing lines, their core machines and the spare parts** they could need during their lifetime.

The **first section (pages 6-19)** gathers the most important **Bianco®** finishing lines, ordered from "A" to "G". Every line comes with a schematic layout to properly identify the fabric feeding, the main components and their positioning (numbered from 1 to 54 and showed in detail in the **second section**).

The **second section (pages 20-65)** gathers all the machines of the first section, numbered from 1 to 54. Each one is presented with their main components and spare parts.

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ROPE OPENER SLITTING LINE

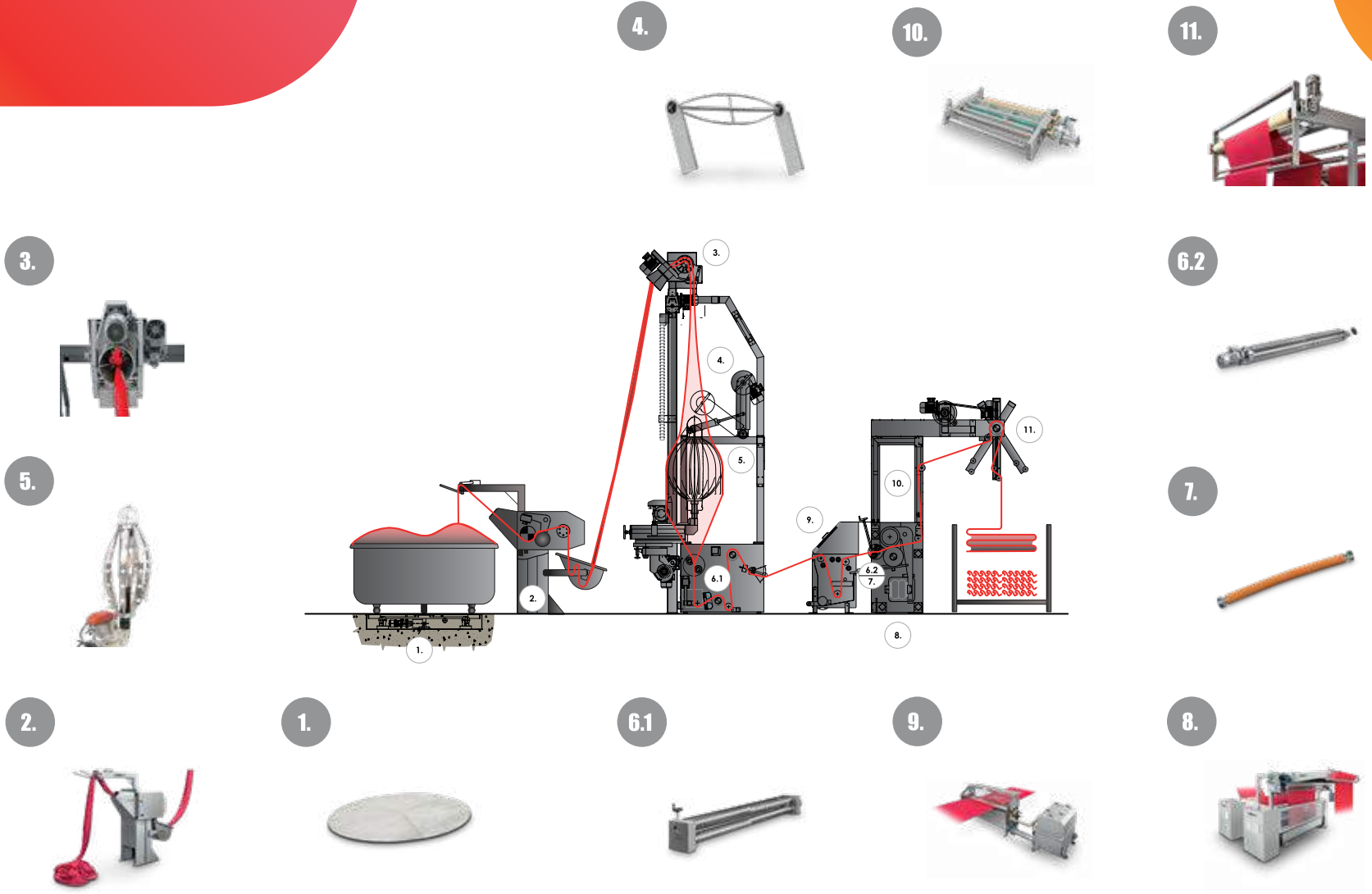
A

ONLINE



Bianco® Rope Opener
Slitting Line includes:

- 1 Hydraulic turntable
- 2 JBox rope squeezer
- 3 Detwister
- 4 Beater
- 5 Cutting basket
- 6.1 Scroll roller group 360°
- 6.2 Scroll roller group 220°
- 7 Bow roller
- 8 Squeezing/
impregnation padder
- 9 Washing tank TNK19
- 10 Hydroextractor
- 11 Multifunction plaiter



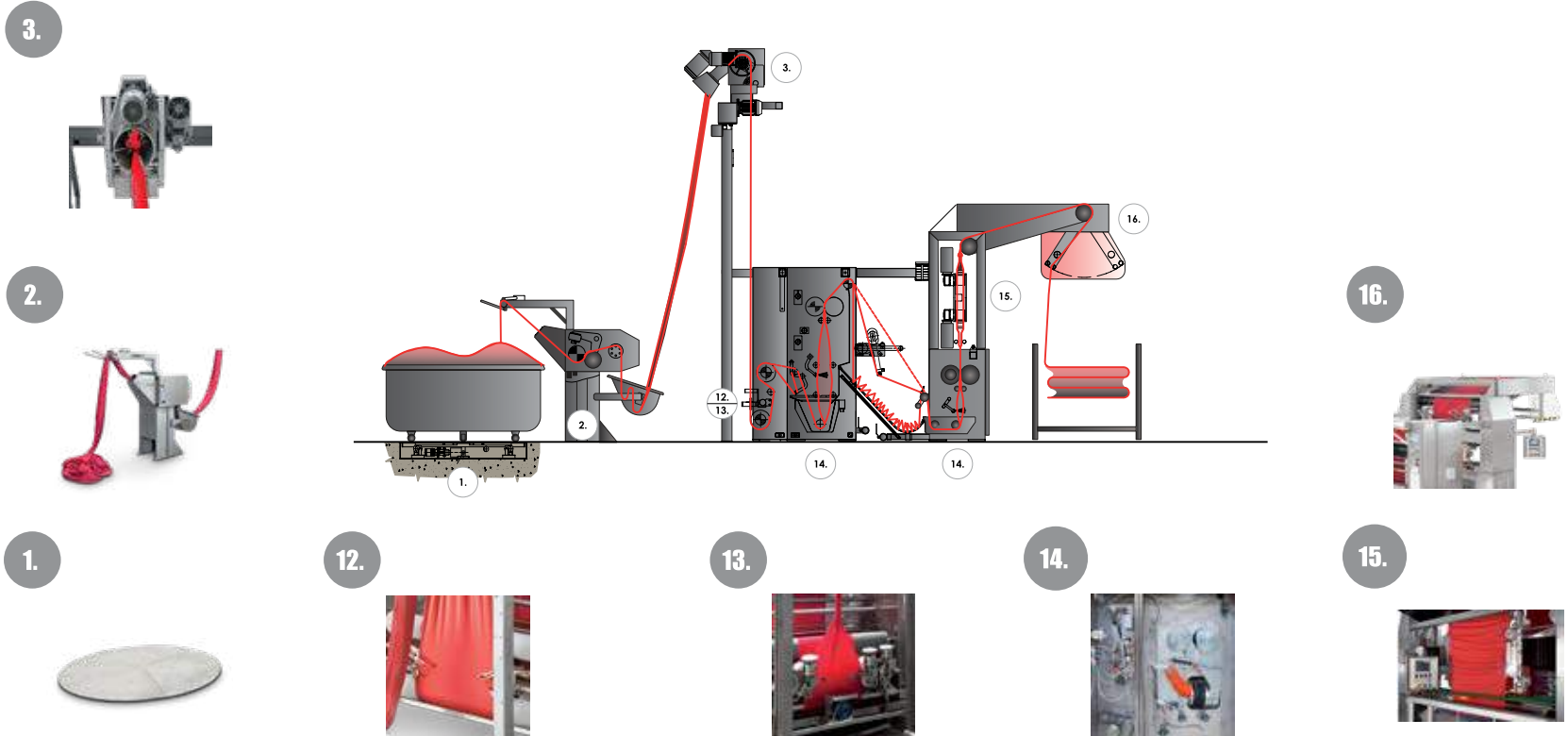
TUBULAR ROPE OPENER

ONLINE



Bianco® Tubular Rope Opener Line includes:

- 1 Hydraulic turntable
- 2 JBox rope squeezer
- 3 Detwister
- 12 Ring opener
- 13 Twister
- 14 Squeezing/impregnation padder
- 15 Stretcher
- 16 Plaiter



STENTER ENTRY

ONLINE



Bianco® Stenter entry Line includes:

- 8 Squeezing/impregnation padder
- 9 Washing tank TNK19
- 10 Hydroextractor
- 19 Spreading unit Dogal04
- 20 Compact CE pendular guide
- 21 Cylinder weftstraightner STC2
- 29 Proportional photocell FTC7
- 30 Mechanical selvage opener Uncurler-M
- 32 Inram infeeder
- 33 Surface temperature sensor Termofix SP2
- 34 Residual moisture sensor SE1
- 52 Washing tank Happy Scour

20.



19.



52.



8.



10.



9.



21.



34.



29.



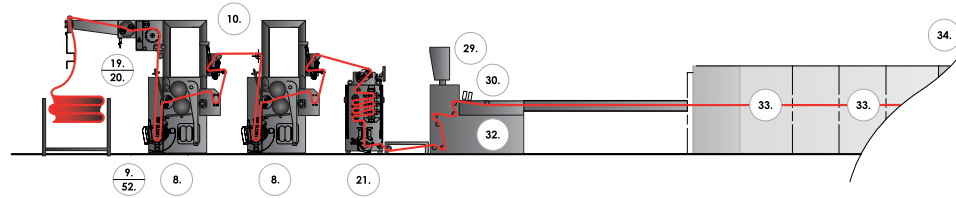
33.



30.



32.



STENTER EXIT

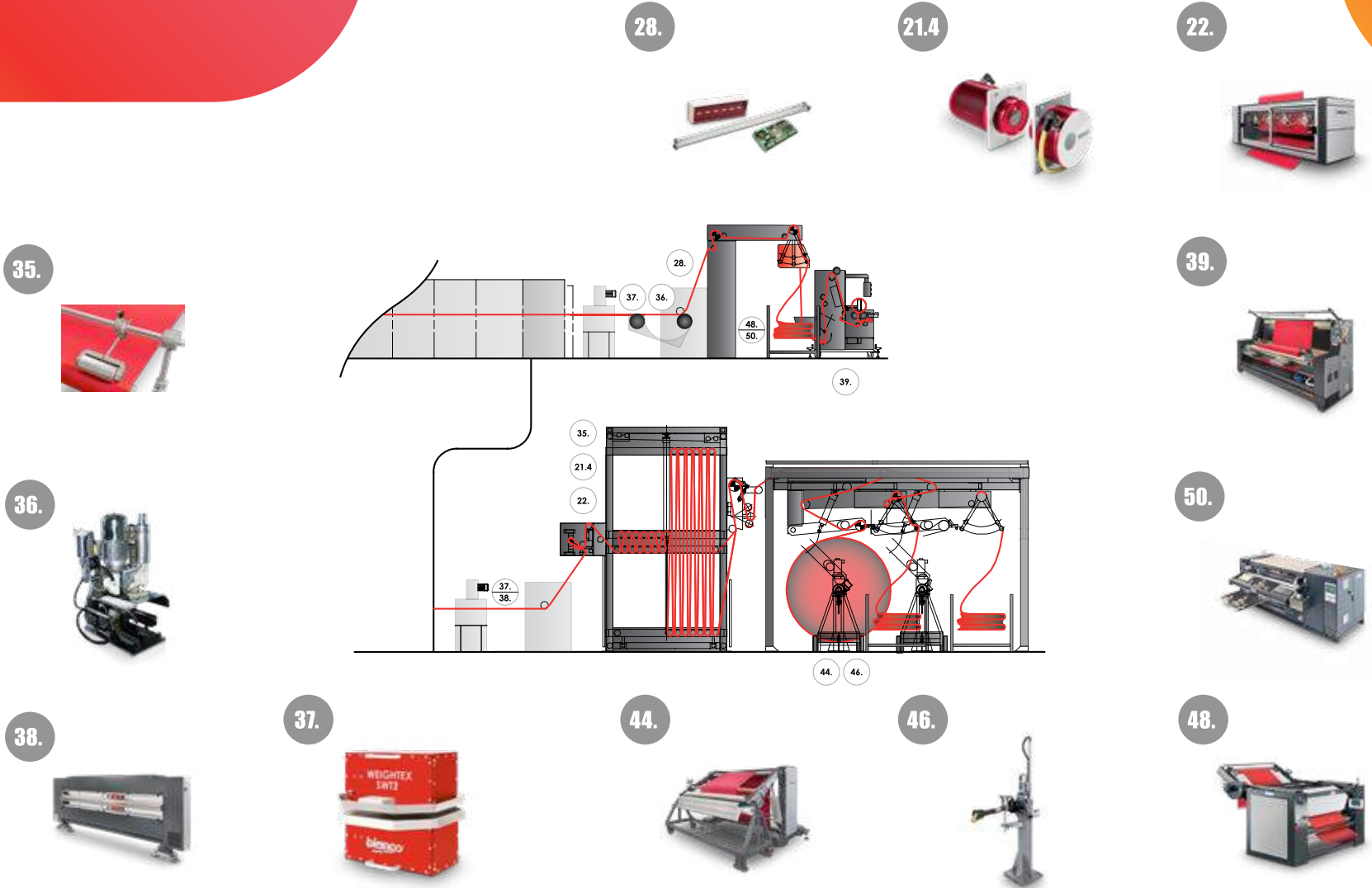
D

ONLINE



Bianco® Stenter exit Line includes:

- 21.4 Threadcounter SPC2
- 22 Miniweftstraightner
- 28 Mistav
- 35 Residual moisture sensor SH1
- 36 Selvage cutter TGC02
- 37 Contactless weight measurement sensor Weightex SWT2
- 38 Weightex traversing system
- 39 Non-stop winder
- 44 Winding arm
- 46 Winding column
- 48 Felt compactor B-Kompact 600
- 50 Rubber belt compactor B-Shrink



COMPACTION

ONLINE



Bianco® Compaction Line includes:

- 19 Spreading unit Dogal04
- 21 Cylinder weftstraightner STC2
- 28 Mistav
- 29 Proportional photocell FTC7
- 30 Mechanical selvage opener Uncurler-M
- 36 Selvage cutter TGC02
- 37 Contactless weight measurement sensor Weightex SWT2
- 39 Non-stop winder
- 48 Felt compactor B-Kompact 600
- 49 Felt compactor B-Kompact 600 tenter frame
- 50 Rubber belt compactor B-Shrink
- 51 Tubular compactor T-Kompact 600

19.



21.



49.



36.



50.



48.



30.



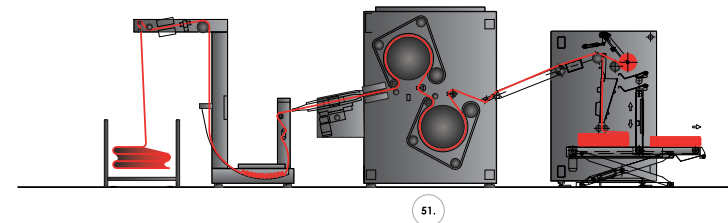
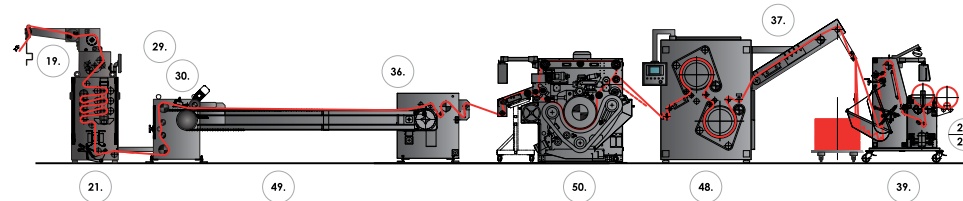
29.



28.



39.



51.



37.



DRY PREPARATION LINE

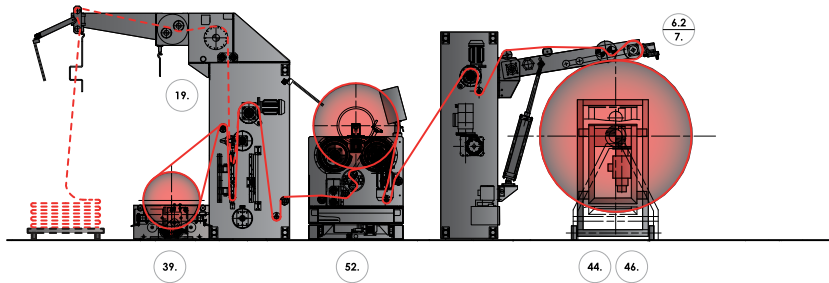
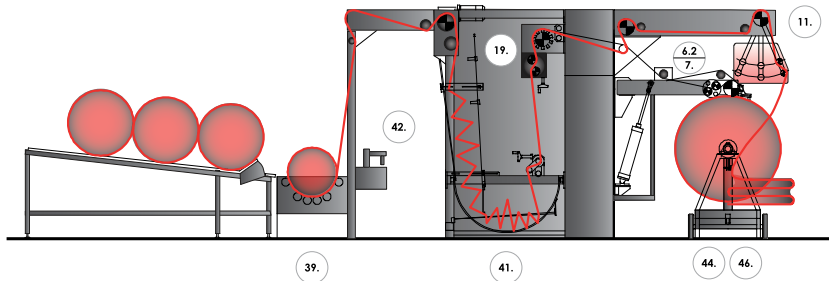


ONLINE



Bianco® Dry Preparation Line includes:

- 6.2 Scroll roller group 220°
- 7 Bow roller
- 11 Multifunction plaiter
- 19 Spreading unit Dogal04
- 39 Small roll cradle
- 41 Accumulation scray
- 42 Brush&Beat system (B&B)
- 44 Winding arm
- 46 Winding column
- 52 Soft winder



WET PREPARATION LINE

ONLINE



Bianco® Wet Preparation Line includes:

- 6.2 Scroll roller group 220°
- 7 Bow roller
- 8 Squeezing/impregnation padder
- 19 Spreading unit Dogal04
- 41 Accumulation scray
- 42 Brush&Beat system (B&B)
- 44 Winding arm
- 45 Fabric guide Dogal02
- 46 Winding column
- 53 Washing tank Happy Scour
- 54 Inno-Pad Impregnation system

53.



41.



19.



42.



54.



7.



6.2



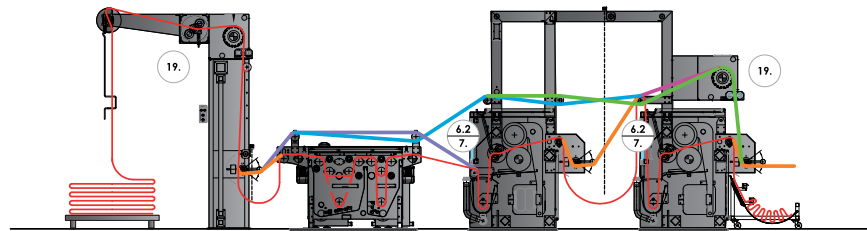
45.



46.



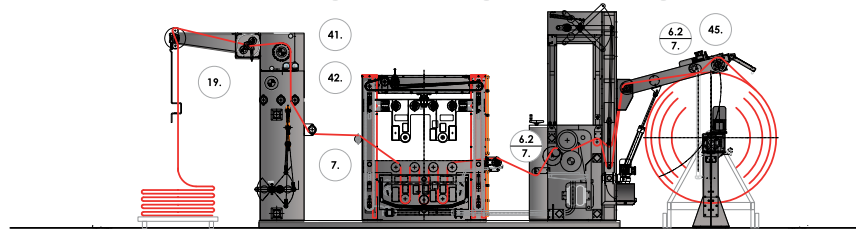
44.



53.

8.

8.



54.

8.

44.

46.

FABRIC ROPE ACCESSORIES

1. HYDRAULIC TURNTABLE



1.1
Hydraulic unit



1.5
Gearbox
ZZ55AHSR3M1AS



1.2
Hydraulic motor
ZOMR31532



1.3
Double chain 5/8
ZCAD58

1.4
Shaft
C2017010013

1.6 / 1.7
Pinion Z20



Gearbox side
C2020010003
Hydraulic motor side
C2020010011

2. JBOX ROPE SQUEEZER



2.1
Rubber pipe for reel



2.2
Torpress



2.3
Motorized roller



2.4
Free roller



2.5
Potentiometer



FABRIC ROPE ACCESSORIES

3. DETWISTER APO4 - APO6



3.1
Feelers



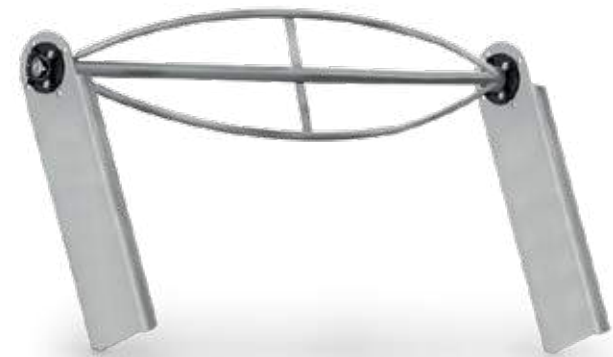
3.2
Belt



3.4
Proximity



4. BEATER



SLITTING BASKET

5. SLITTING BASKET



5.1
SK5 sensor



5.2
SKM2 sensor



5.3
Double blade



5.4
Cutting blade



5.5
Suction device
with venturi



5.6
18 stainless steel
slats



5.7
9 slats with
wheels



5.8
18 teflon covered
slats



5.9
Blower



EXPANDERS

6. SCROLL ROLLER GROUPS

6.1
Scroll roller group 360



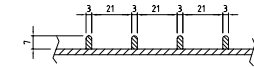
6.2
Scroll roller group 220



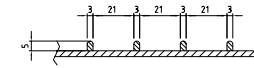
6.3
Kit of gears for scroll roller group 360



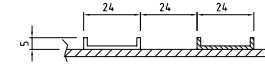
Profile "I"
Pitch = 96
Principles = 4



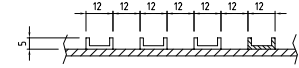
Profile "IR"
Pitch = 96
Principles = 4



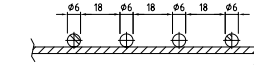
Profile "A"
Pitch = 96
Principles = 2



Profile "B"
Pitch = 96
Principles = 4



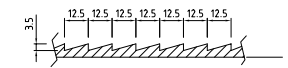
Profile "D"
Pitch = 96
Principles = 4



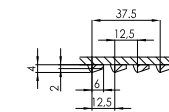
Profile "D/comb"
Pitch = 96
Principles = 4



Profile "E"
Pitch = 75
Principles = 6



Profile "ER"
Pitch = 37,5
Principles = 3



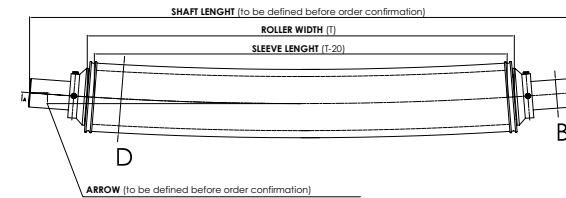
EXPANDERS



7. BOW ROLLER SUPPORTS IRON/STAINLESS STEEL



Model	Ø D	Ø B	ARROW
CN 8	85	35	to be
CN 10	100	40	defined
CN 12	120	50	before
CN 12-M	120	60	order
CN 15	155	65	confirmation



7.1
Support block
fix



7.2
Flange support
fix



7.3
Support block
with regulation



7.4
Flange support with
regulation

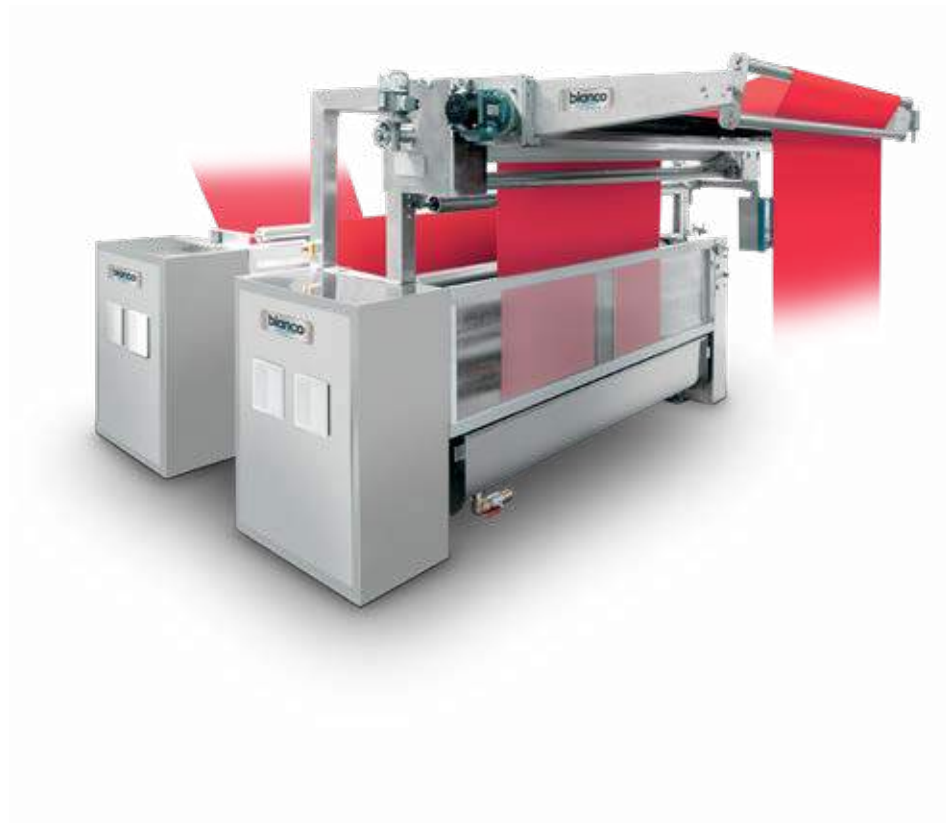


Bow rollers | coating rubber

MODEL	COLOR	HARDNESS (Sh.A)	TEMPERATURE (°C)		FEATURES AND APPLICATIONS
			MIN	MAX	
AL E 60	black	60 ± 5	-35	+140	Good elasticity; Good resistance to acids and solvents.
AL H 60	brown	55 ± 5	-10	+130	Good resistance to abrasion and alcohols. Excellent resistance to oils.
AL NP 60	white	60 ± 5	-10	+100	Good resistance to abrasion; Good resistance to oils, greases, ozone and alcohols.
AL X 70	black	65 ± 5	0	+130	Excellent abrasion resistance to oils and fats. Good resistance to alcohol.
AL Y 70	black	60 ± 5	-10	+130	Good resistance to abrasion, steam and acids.

PADDER

8. SQUEEZING/IMPREGNATION PADDER



6.2
Scroll roller group 220



7
Bow roller



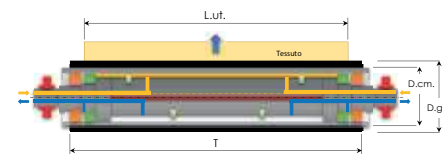
8.1
Padder with convex roller



8.2
Torpress



8.3
Padder flexo roller

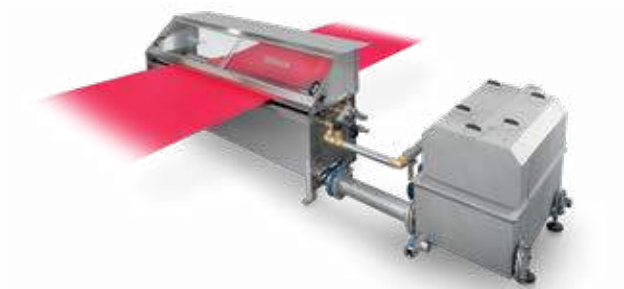


8.4
Padder stabil roller



ACCESSORIES

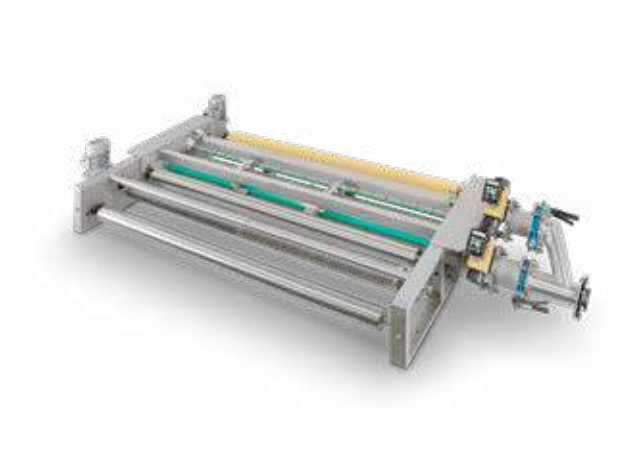
9. TNK19



9.1
Nozzles



10. HYDROEXTRACTOR "VACUUM"



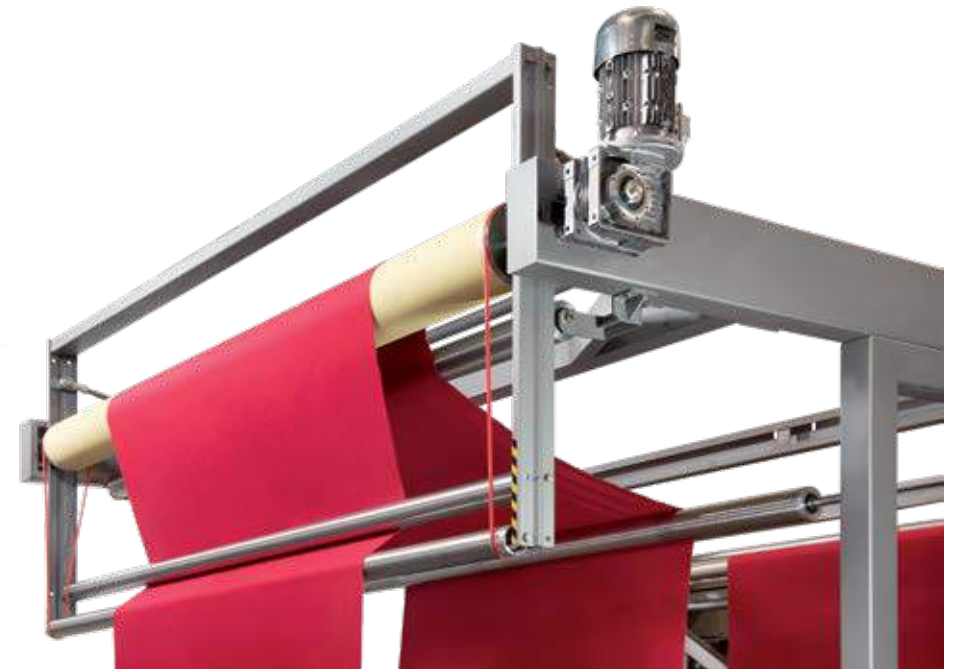
10.1
Pneumatic valve



17.2
Rubber tape ZHTLO



11. MULTIFUNCTION PLAITER



17.1
Rubber tape ZET100



17.6
Red rope



TUBULAR ACCESSORIES

12. RING OPENER



12.1
Mushroom



12.2
Ring



17.4
Rubber tape ZLHP



13. TWISTER



13.1
Reading head



13.2
Vdtx



13.3
Spheres



13.4
Potentiometer



TUBULAR ACCESSORIES

14. SQUEEZING PADDER / IMPREGNATION PADDER



14.1
Torpress



14.2
Padder roller



16. PLAITER



15. STRETCHER



15.1
Touch panel



15.2
Rubber sleeve



15.3
Lateral arms for
stretcher



17.6
Red rope








16.1
Conveyor belt



RUBBER TAPE AND SLATS

17. RUBBER TAPE

- 17.1**  **ZET100**
Natural elastomer surface sand color
Polyester (PET) textile carcass
Hardness 50 shore
Temp 0/100°C
Dry wet application
- 17.2**  **ZHTL040**
Silicon surface white color
Fiberglass textile carcass
Hardness 50 shore
Temp -50/+200°C
Wet application good resistance to oil
- 17.3**  **ZET17450B**
Silicon surface light blue color
Polyester (PET) textile carcass
Hardness 45 shore
Temp -20/+150°C
Dry application good resistance to oil
- 17.4**  **ZLHP**
Synthetic rubber grey color
Polyester (PET) textile carcass
Hardness 50 shore
Temp 0/120°C
Wet application resistance to oil
- 17.5**  **ZLK**
Polyvinyl chloride (PVC) transparent color
Polyester (PET) textile carcass
Hardness 45 shore
Temp 0/60°C
Dry application (winder)

17.6  Red belt for plaiter

18. DOGAL SLATS PROFILE

- 18.1**  **F34000312 X 2**
Stainless steel profile
Natural rubber
With grip (mohair)
Hardness 50 shore
Temp 0/100°C
Dry application
- 18.2**  **F34000312 X 1**
Stainless steel profile
Natural rubber
Hardness 50 shore
Temp 0/100°C
wet application
- 18.4**  **F3400031255**
Stainless steel profile
wet application
- 18.5**  **F34000312 X 3**
Aluminium profile
Natural rubber
Hardness 50 shore
Temp 0/100°C
wet application
- 18.6**  **F34000312 X 4**
Aluminium profile
Natural rubber
With grip (mohair)
Hardness 50 shore
Temp 0/100°C
Dry application

CENTERING UNIT

19. SPREADING UNIT DOGAL 04



18.1
Slats for dry fabric



18.2
Slats for wet fabric



18.3
Slats pin



27
Fluo



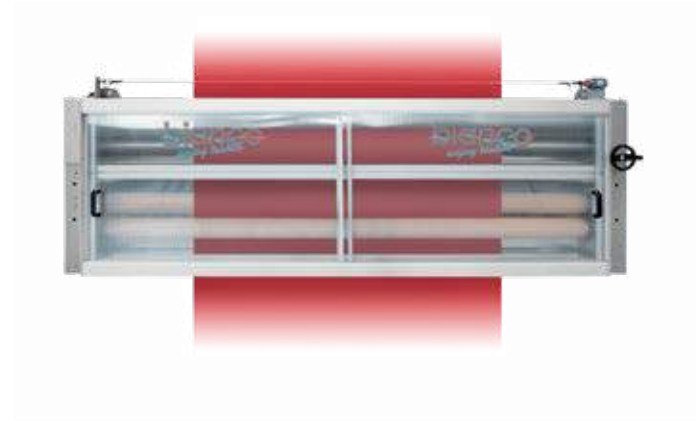
6.1
Scroll roller group 360



19.1
Slats star support



20. COMPACT CE



27
Fluo



7
Bow roller



6.1
Scroll roller group 360



17.1
Rubber Tape ZET100



WEFTSTRAIGHTENER

21. CYLINDER WEFTSTRAIGHTENER STC2



Electrical view



Mechanical view



7
Bow roller



21.2
Vdtx



22. MINIWEFTSTRAIGHTENER



21.1
Op7



21.4
Pick counter



21.5
Reading heads
and projector



21.6
Bow roller gears



21.7
Bow roller joint



21.3
Electronic cards



WEFTSTRAIGHTENER

23. PIN WHEELS TRAMATEX



29
FTC7



23.1
Pin sector



23.2
Brush



24. PIN WHEELS TRAMATEX BIG



29
FTC7



23.1
Pin sector



23.2
Brush



WEFTSTRAIGHTENER

25. PIN WHEELS MINI TRAMATEX



26. KOMBI



29
FTC7



23.1
Pin sector



23.2
Brush



23
Pin wheels
tramatex



22
Miniweftstraightener



7
Bow roller



SENSORS AND ELECTRONIC PARTS

27. FABRIC POSITIONING SENSOR FLUO



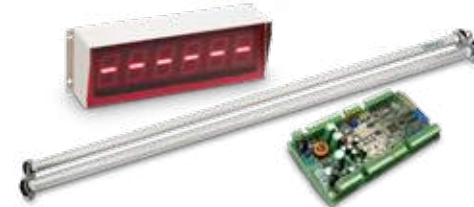
27.1
Polycarbonate pipe



27.2
Fluo electronic board



28. MISTAV



28.1
Giant display



28.2
Mistav electronic board

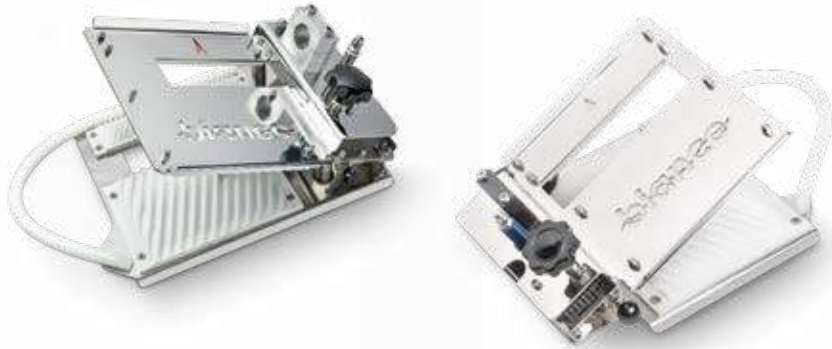


29. FTC7 PROPORTIONAL PHOTOCELL



SENSORS AND ELECTRONIC PARTS

30. MECHANICAL SELVEDGE OPENER UNCURLER-M



31. PNEUMATIC SELVEDGE OPENER UNCURLER-P



31.1
Blower



32. INRAM INFEDER



34. RESIDUAL MOISTURE SENSOR SE1



33. SURFACE TEMPERATURE SENSOR TERMOFIX SP2

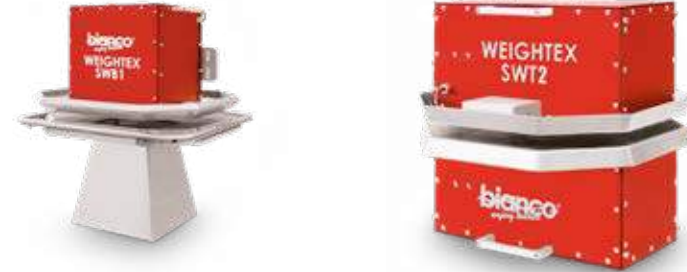


SENSORS AND ELECTRONIC PARTS

35. RESIDUAL MOISTURE SENSOR SH1



37. CONTACTLESS WEIGHT MEASUREMENT SENSOR WEIGHTEX



36. SELVEDGE CUTTER TGC02



36.1
Suction device



38. TRAVERSING BRIDGE



ACCESSORIES FOR LINES

39. SMALL ROLL CRADLE



40. KB10



42. BRUSH & BEAT SYSTEM (B&B)



42.1 Brush roller



41. ACCUMULATION SCRAY



17.1 Rubber tape ZET100



43. INKJET INFEEEDER



18.1 Slats for dry fabric



29 FTC7



ACCESSORIES FOR LINES

44. WINDING ARM



6.2
Scroll roller
group 220



17.4
Rubber tape
ZLHP



7
Bow roller



45. FABRIC GUIDE DOGAL 02



46. WINDING COLUMN



46.1
Cardan



47. NON STOP WINDER



17.3
Rubber tape



29
FTC7



COMPACTION MACHINES

48. FELT COMPACTOR B-KOMPACT 600



49. FELT COMPACTOR B-KOMPACT 600 TENTER FRAME



48.1
Polyester
conveyor belt



19
Dogal 04



48.2
Teflon tape



28
Mistav



48.3
Felt tape



37
Weightex



19
Dogal 04



30
Decurler-M



17.3
Rubber tape



23.2
Pin sector



29
FTC7



36
Selvedge
cutter TGC02



COMPACTION MACHINES

50. RUBBER BELT COMPACTOR B-SHRINK



50.1
Rubber belt



50.2
Fiber glass conveyor belt



50.3
Touch screen



51. TUBULAR FELT COMPACTOR T-KOMPACT 600



48.1
Poliester conveyor belt



48.2
Teflon tape



48.3
Felt tape



51.1
Stretcher lance with belts



17.3
Rubber tape



PREPARATION LINES

52. SOFT WINDER



6.2
Scroll roller
group 220



29
FTC7



19
Dogal 04



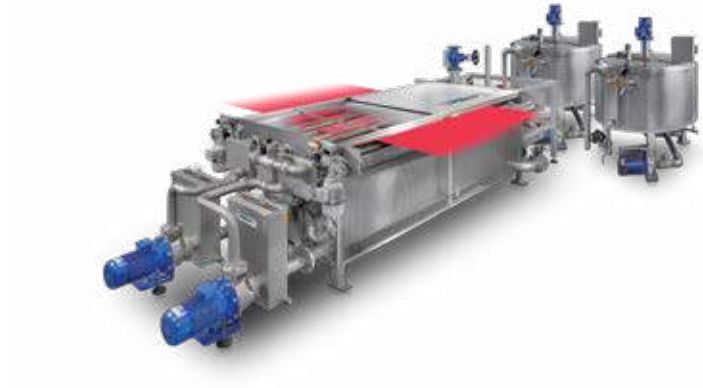
52.1
Rubber wheels



45
Dogal 02



53. WASHING TANK HAPPY SCOUR



6.1
Scroll roller
group 360



53.1
Water pumps



53.2
Filters

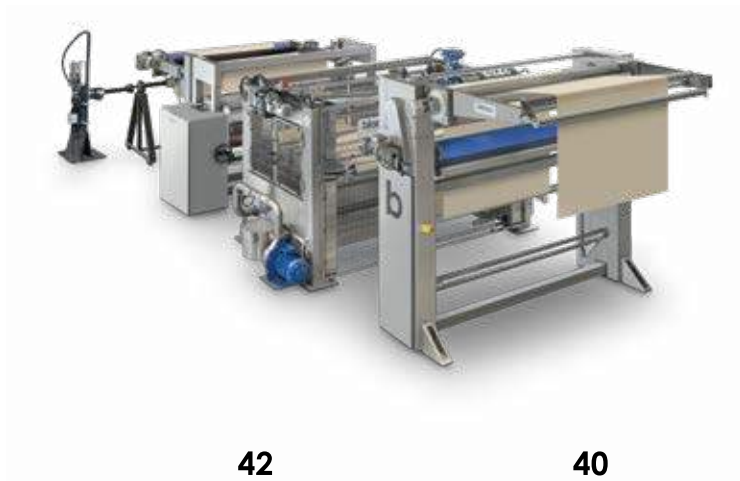


53.3
Nozzles



PREPARATION LINES

54. INNO PAD IMPREGATION LINE



19
Dogal 04



42
Brush&Beat (B&B)



40
KB10



44
Winding arm



46
Axial column



54.1
Proportional valve



53.1
Water pumps



7
Bow roller



54.2
Self-cleaning filters



8
Impregnation padder





INFINISHING SOLUTIONS



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