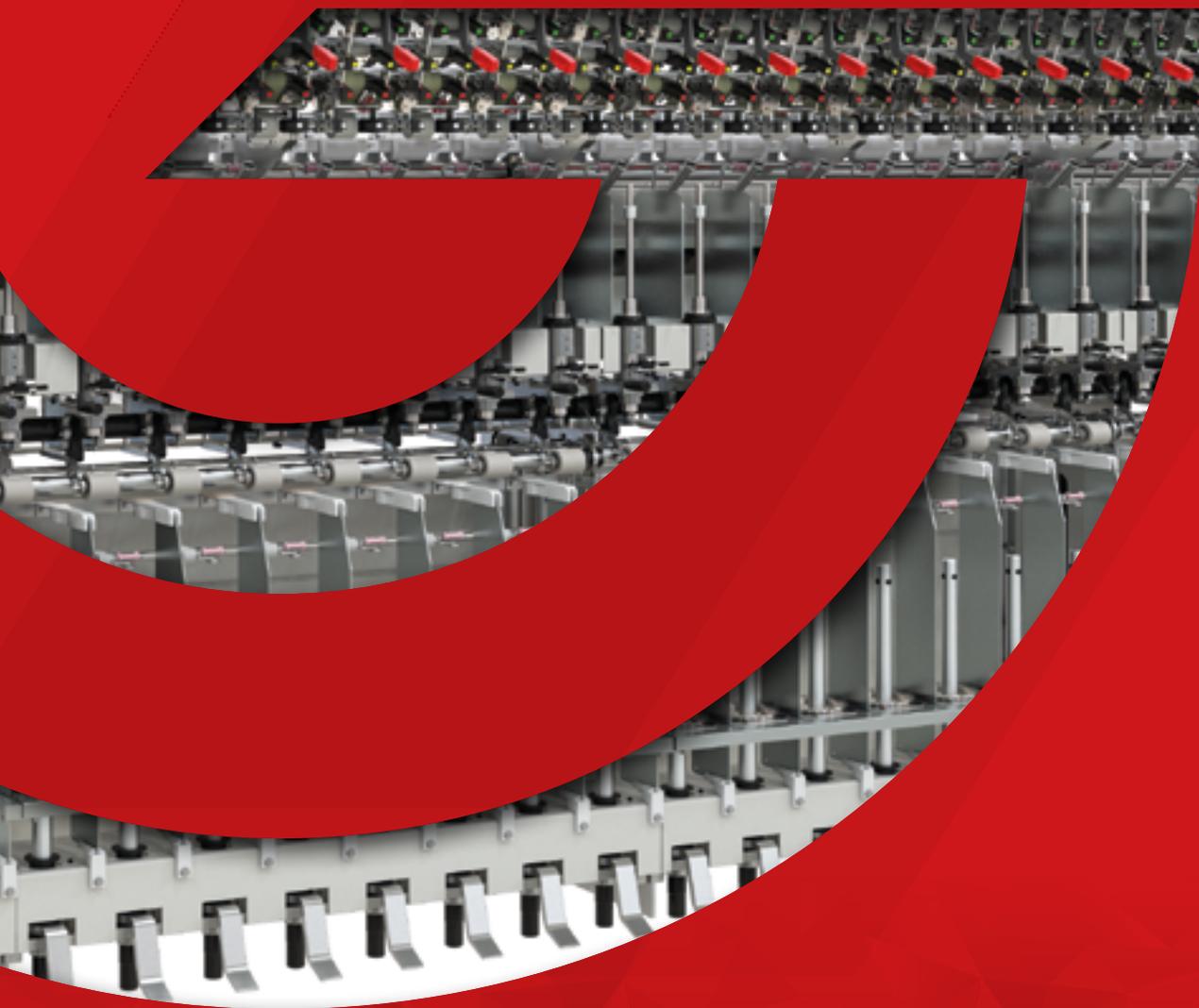


*MACHINERY FOR THE PRODUCTION OF CHENILLE,  
FANCY AND TECHNICAL YARNS*



*GENERAL CATALOGUE*

**GUALCHIERI**  **GUALCHIERI**

==== MADE IN ITALY WITH PASSION SINCE 1973 =====



**SINCE 1973 MANY SOLUTIONS TO INCREASE  
YOUR BUSINESS EFFICIENCY.**

Gualchieri e Gualchieri & C. S.r.l. is a world leader manufacturer of textile machinery since 1973.

Our production programme includes machines for Fancy Yarns, Technical Yarns, Special Yarns and Chenille Yarns.

The complete production process is carried out inside the company; the technical department takes care of the customized design of our machinery, in the workshop, equipped with modern CNC machine tools, most of the mechanical components of our machines are manufactured and finally in the assembly department our machines are assembled and tested before shipment.

The utmost importance has always been given to the quality, versatility and flexibility of our machinery and to the efficiency of our spare parts service and after sale assistance to assure our customers the best working and production conditions.

Besides with the mechanical design we also deal directly with the management and control operating systems of our machinery continuously developing and updating new softwares thus keeping our machinery always up to date, satisfying any production requirement and making INDUSTRY 4.0 possible.

==== MADE IN ITALY WITH PASSION SINCE 1973 =====



SINCE 1973 MANY SOLUTIONS TO INCREASE  
YOUR BUSINESS EFFICIENCY

FANCY AND TECHNICAL YARNS

Fanta **ONE**

Fanta **ROC-FIL**

Fanta **ROC-FIL ST3**

Fanta **ROC**

Fanta **FILO**

Fanta **FILO-ROC**

Fanta **EXTRA-FC1**

Fanta **EXTRA-FC2**

Fanta **BFL**

Fanta **ROC-FT2**

Fanta **SPIN**

SPECIAL YARNS

Spike **FILO-AIR**

Spike **FILO-IB**

Spike **EXTRA-FT**

CHENILLE YARN

EPT **CHENILLE**

FANCY AND  
TECHNICAL YARNS

	Fanta <b>ONE</b>	Fanta <b>ROC-FIL</b>	Fanta <b>ROC</b>	Fanta <b>FIL0</b>	Fanta <b>FIL0-ROC</b>	Fanta <b>EXTRA-FC1</b>	Fanta <b>EXTRA-FC2</b>	Fanta <b>SPIN</b>	Fanta <b>ROC-FT2</b>
<b>WORKING MODALITIES</b>									
FantaSPIN	•	•		•	•			•	
FantaFILO	•	•		•	•				
FantaROC-FC1/FantaEXTRA-FC1	•	•	•		•	•	•		•
FantaROC/FantaEXTRA-FC2	•	•	•				•		•
FantaBFL	•								
<b>FEEDING</b>									
FL: from yarn	•	•	•	•	•	•	•		•
ST: from roving or sliver	•	•	•	•	•	•		•	•
- ST 1 (1 draft)	•	•	•	•	•	•		•	•
- ST2 (2 drafts)	•	•	•	•	•	•		•	•
- ST3 (3 drafts)		•	•	•	•	•		•	•
<b>PRODUCTION</b>									
1 <sup>ST</sup> HOLLOW SPINDLE	•	•	•	•	•	•	•		•
1 <sup>ST</sup> INDEPENDENT FALSE TWIST	optional	optional	optional	optional	optional	optional	optional		•
2 <sup>ND</sup> HOLLOW SPINDLE	•	•	•				•		•
2 <sup>ND</sup> INDEPENDENT FALSE TWIST									•
<b>TAKE-UP</b>									
<b>BOBBIN</b>									
STANDARD BOBBIN - 450 mm	•	•		•	•			•	
SPECIAL BOBBIN - 600 mm								•	
<b>CONE</b>									
INTERNAL WINDING UNIT	•					•	•		
EXTERNAL WINDING UNIT		•	•		•				•
<b>OPTIONAL ACCESSORIES</b>									
NEEDLE HEADS	optional	optional	optional	optional	optional	optional	optional	optional	optional
CREEL FROM CANS	optional	optional	optional	optional	optional	optional	optional	optional	optional
INSERTION BARS	optional	optional		optional	optional				
AIR-JET APPLICATION	optional	optional		optional	optional				
FINAL YARN DETECTORS	optional	optional	optional	optional	optional	optional	optional	optional	optional
STOP MOTIONS FOR CORE YARN	optional	optional	optional	optional	optional	optional	optional		optional
<b>TYPE OF YARNS</b>									
YARNS FOR HAND KNITTING	•	•	•	•	•	•		•	
YARNS FOR MACHINE KNITTING	•	•	•	•	•	•		•	
YARNS FOR WEAVING APPAREL/UPHOLSTERY FABRICS	•	•	•		•	•	•		•
TECHNICAL YARNS	•	•	•				•		•
<b>VERSION</b>									
MODULAR: FROM 1 TO 6 INDEPENDENT SECTIONS		•	•	•	•	•	•	•	•
EP: 18/24 POSITION		•	•	•	•	•	•	•	•
HP: FROM 8 TO 168 POSITIONS		•	•	•	•	•	•	•	•

# Fanta ONE

## THE LABORATORY FRAME FOR THE PRODUCTION OF HIGH QUALITY SPECIALTY FANCY YARNS

Machine for the production of fancy twisted yarns with double hollow spindle, ring rail and winding unit. Possibility to take-up the yarn both on cone and on bobbin using special adaptors on the bottom hollow spindle that convert it into a ring spindle. The machine can be used also to prepare the flanged bobbins with binding yarn.

### WORKING MODALITIES

#### Fanta ROC-FC1

- One hollow spindle (one binding yarn)
- Take-up on cone

#### Fanta ROC

- Two hollow spindles (two binding yarns)
- Take-up on cone

#### Fanta SPIN

- Direct spinning bypassing the hollow spindle
- Take-up on bobbin

#### Fanta FILO

- One hollow spindle
- Take-up on bobbin

#### Fanta BFL

- Preparation of the flanged bobbins with binding yarn

### TYPE OF YARNS

- Yarns for hand knitting
- Yarns for upholstery and apparel fabrics
- Technical yarns
- Yarns for machine knitting

### OPTIONAL ACCESSORIES

- Needle heads
- Creel from yarn and cans
- Insertion bars
- Air-jet application
- Lycra
- Final yarn detectors
- Stop motions for core yarn

### FEEDING

**FL:** yarn to yarn  
(creel from yarn to be supplied upon request)

**ST2:** 2 drafts from roving or sliver  
(Patented. Suitable also for short fibers, cotton type)

### 1<sup>ST</sup> HOLLOW SPINDLE

- Flanged bobbin for binding yarn

### 2<sup>ND</sup> HOLLOW SPINDLE TWO OPTIONS

- Flanged bobbin for binding yarn
- Take-up bobbin

### BOBBIN WINDER FUNCTION

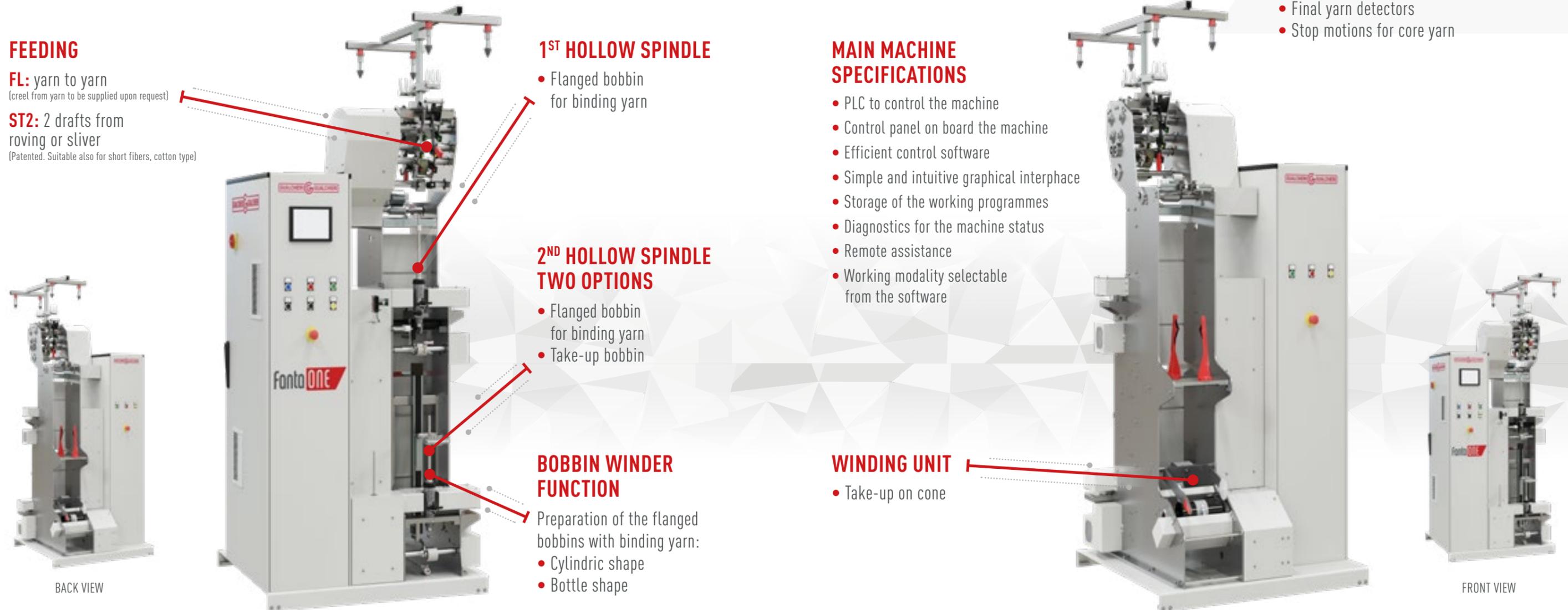
- Preparation of the flanged bobbins with binding yarn:
  - Cylindric shape
  - Bottle shape

### MAIN MACHINE SPECIFICATIONS

- PLC to control the machine
- Control panel on board the machine
- Efficient control software
- Simple and intuitive graphical interphace
- Storage of the working programmes
- Diagnostics for the machine status
- Remote assistance
- Working modality selectable from the software

### WINDING UNIT

- Take-up on cone



BACK VIEW

FRONT VIEW

# Fanta **ROC-FIL**

## MANY SOLUTIONS IN ONE SINGLE MACHINE

Machine for the production of fancy twisted yarns with double hollow spindle, ring rail and external winding unit. Possibility to take-up the yarn both on cone and on bobbin using special adaptors on the bottom hollow spindle that convert it into a ring spindle.

## FEEDING

**FL:** from yarn

**ST:** from roving or sliver

- ST1 (1 draft)
- ST2 (2 drafts). Patented. Suitable also for short fibers (cotton type)
- ST3 (3 draft)

## WORKING MODALITIES

### Fanta **ROC-FC1**

- One hollow spindle (one binding yarn)
- Take-up on external cone

### Fanta **ROC**

- Two hollow spindles (two binding yarns)
- Take-up on external cone

### Fanta **SPIN**

- Direct spinning bypassing the hollow spindle
- Take-up on bobbin

### Fanta **FIL0**

- One hollow spindle
- Take-up on bobbin

## 1<sup>ST</sup> HOLLOW SPINDLE

- Flanged bobbin for binding yarn

## OPTIONAL ACCESSORIES

- Needle heads
- Creel from cans
- Insertion bars
- Air-jet application
- Final yarn detectors
- Stop motions for core yarn

## TYPE OF YARNS

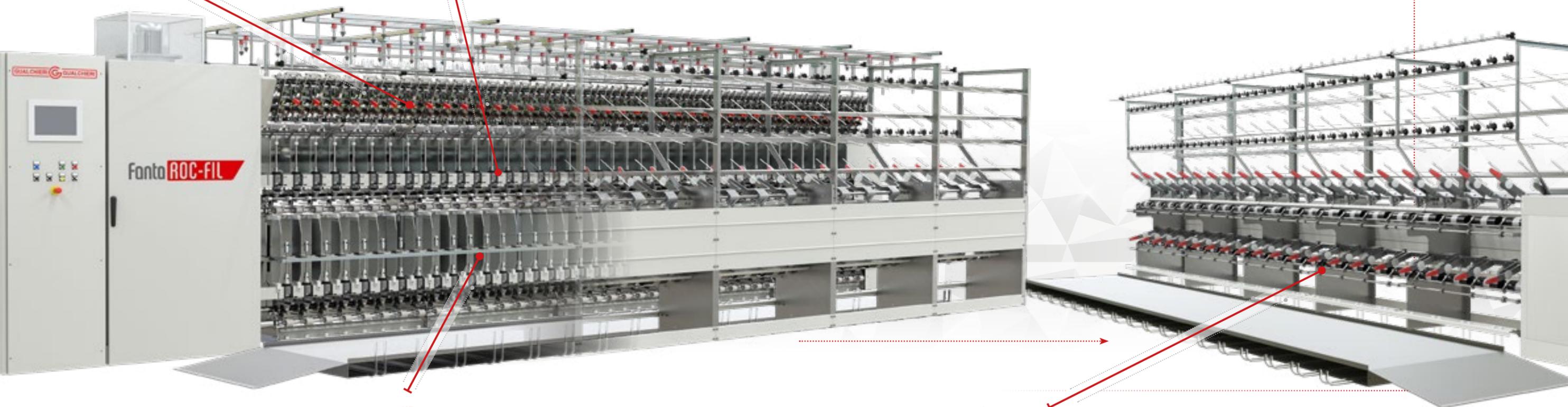
- Yarns for hand knitting
- Yarns for machine knitting
- Yarns for weaving (apparel and upholstery fabrics)
- Technical yarns

## 2<sup>ND</sup> HOLLOW SPINDLE TWO OPTIONS

- Flanged bobbin for binding yarn
- Take-up bobbin

## EXTERNAL WINDING UNIT

- Take-up on cones placed on a double row



# Fanta **ROC-FIL ST3**

## THE RELIABLE TECHNOLOGY FOR 3 DRAFTS

Machine for the production of fancy twisted yarns with double hollow spindle, ring rail and external winding unit. Feeding from roving, sliver or yarn with 3 drafts (patented system).

Possibility to take-up the yarn both on cone and on bobbin.

## DRAFTING GROUP

- 4 rollers per draft to facilitate the fibres disposition
- Possibility to draft also heavy slivers/roving
- Control box with gears: sturdy, precise and maintenance-free.

## 1<sup>ST</sup> HOLLOW SPINDLE

- Flanged bobbin for binding yarn

## 2<sup>ND</sup> HOLLOW SPINDLE TWO OPTIONS

- Flanged bobbin for binding yarn
- Take-up bobbin

## WORKING MODALITIES

### Fanta **ROC-FC1**

- One hollow spindle (one binding yarn)
- Take-up on external cone

### Fanta **ROC**

- Two hollow spindles (two binding yarns)
- Take-up on external cone

### Fanta **SPIN**

- Direct spinning bypassing the hollow spindle
- Take-up on bobbin

### Fanta **FIL0**

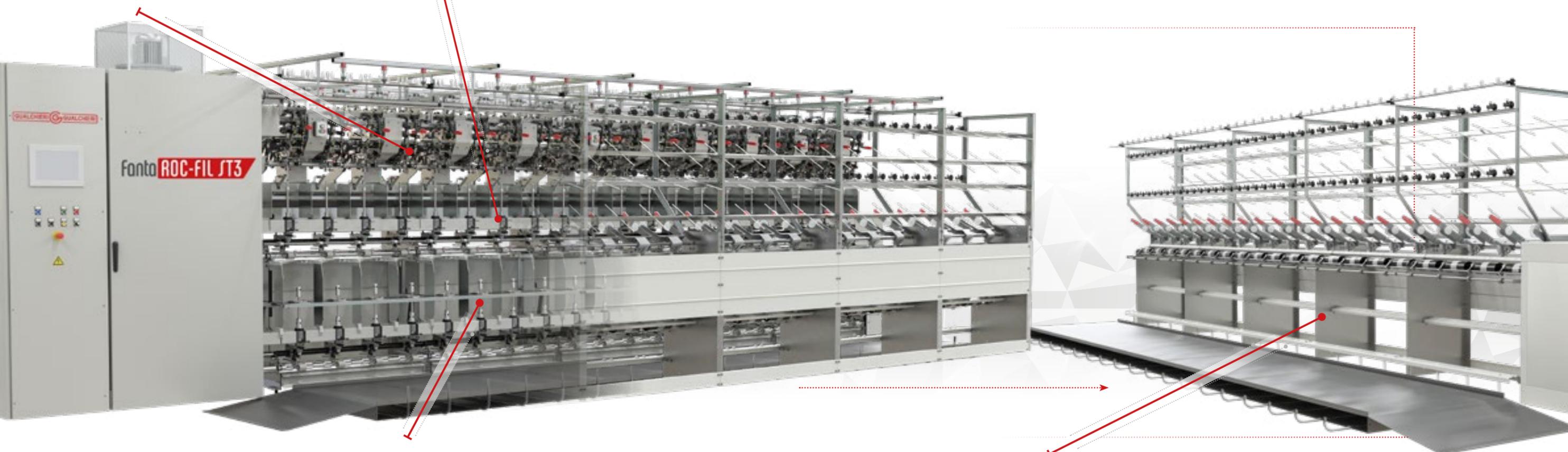
- One hollow spindle
- Take-up on bobbin

## OPTIONAL ACCESSORIES

- Needle heads
- Creel from cans
- Insertion bars
- Air-jet application
- Final yarn detectors
- Stop motions for core yarn

## TYPE OF YARNS

- Yarns for hand knitting
- Yarns for machine knitting
- Yarns for weaving (apparel and upholstery fabrics)



## EXTERNAL WINDING UNIT

- Take-up on cones placed on one single row

# Fanto ROC

## THE VERSATILITY OF TWO HOLLOW SPINDLES IN A REDUCED GAUGE

Machine for the production of fancy twisted yarns with double hollow spindle and external winding unit.

### FEEDING

**FL:** from yarn

**ST:** from roving or sliver

- ST1 (1 draft)
- ST2 (2 drafts). Patented. Suitable also for short fibers (cotton type)
- ST3 (3 drafts). Patented.

### WORKING MODALITIES

#### Fanto ROC-FC1

- One hollow spindle (one binding yarn)
- Take-up on external cone

#### Fanto ROC

- Two hollow spindles (two binding yarns)
- Take-up on external cone

### OPTIONAL ACCESSORIES

- Needle heads
- Creel from cans
- Final yarn detectors
- Stop motions for core yarn

### TYPE OF YARNS

- Yarns for hand knitting
- Yarns for machine knitting
- Yarns for weaving (apparel and upholstery fabrics)
- Technical yarns

### 1<sup>ST</sup> HOLLOW SPINDLE

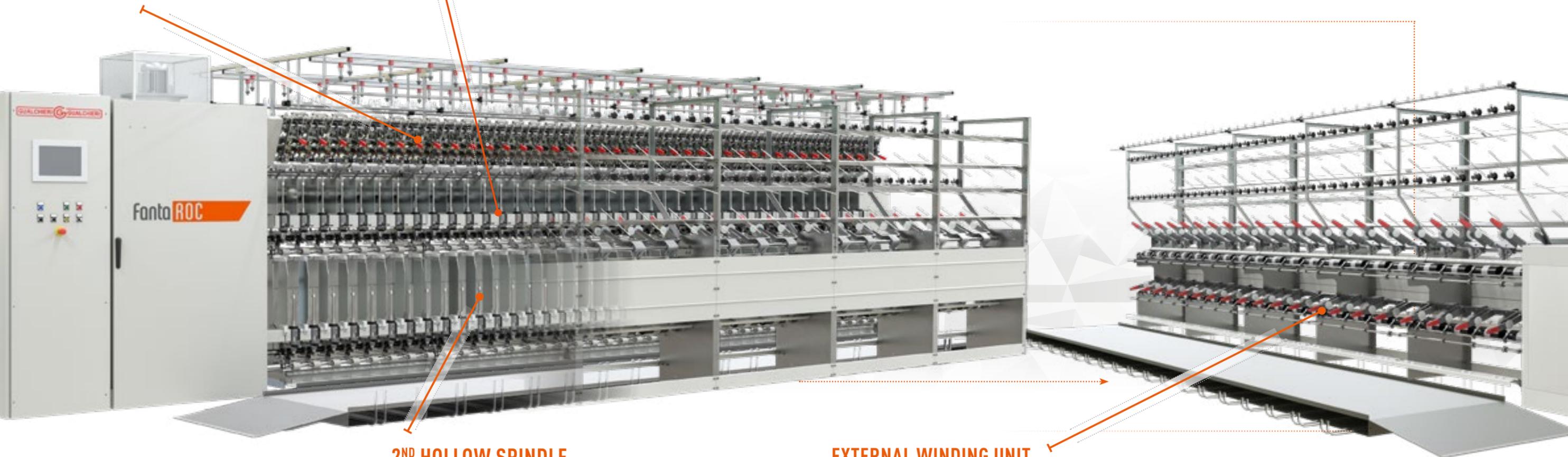
- Flanged bobbin for binding yarn

### 2<sup>ND</sup> HOLLOW SPINDLE

- Flanged bobbin for binding yarn

### EXTERNAL WINDING UNIT

- Take-up on cones placed on a double row



# Fanta **FILO**

## SOFT FANCY YARN FOR KNITTING

Machine for the production of fancy twisted yarns particularly soft and bulky with one hollow spindle and take-up on bobbin with ring rail.

## FEEDING

**FL:** yarn to yarn (adding an external creel)

**ST:** from roving or sliver

- ST1 (1 draft)
- ST2 (2 drafts). Patented. Suitable also for short fibres (cotton type)
- ST3 (3 drafts). Patented

## WORKING MODALITIES

### Fanta **FILO**

- Hollow spindle
- Take-up on bobbin

### Fanta **SPIN**

- Direct spinning bypassing the hollow spindle
- Take-up on bobbin

## HOLLOW SPINDLE

- Flanged bobbin for binding yarn

## OPTIONAL ACCESSORIES

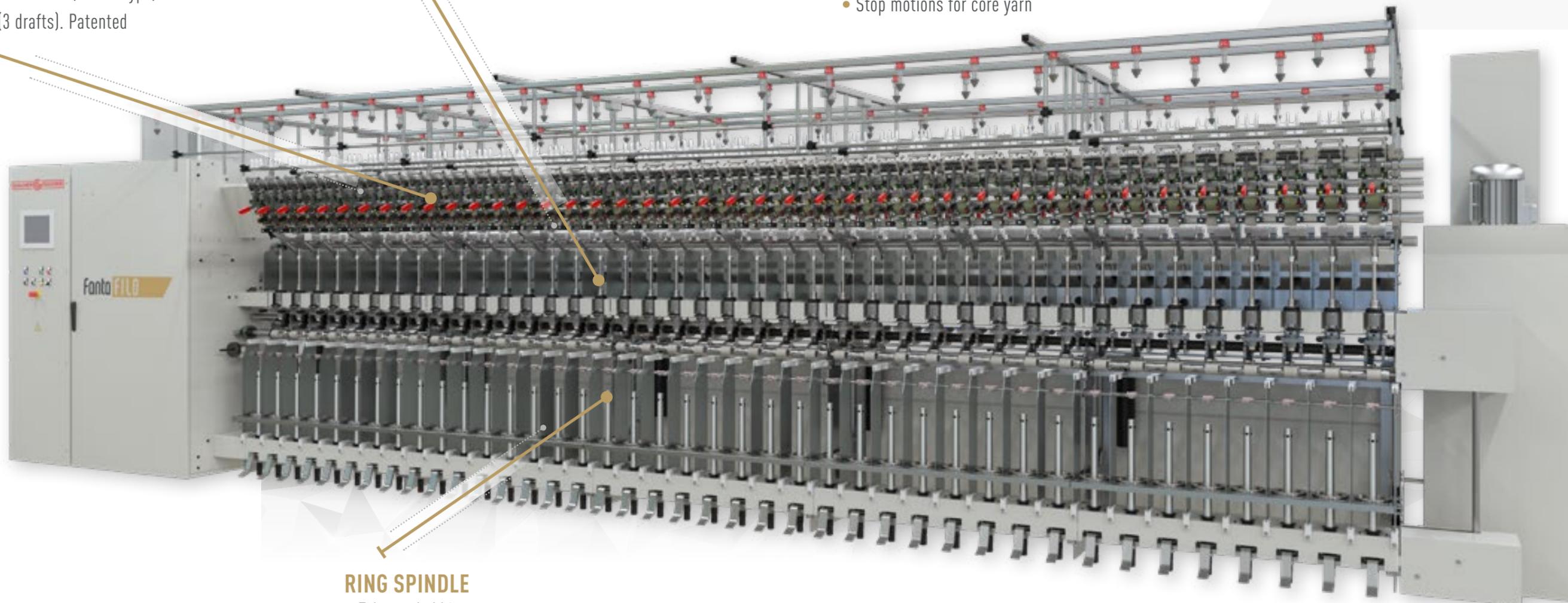
- Needle heads
- Creel from cans
- Insertion bars
- Air-jet application
- Final yarn detectors
- Stop motions for core yarn

## TYPE OF YARNS

- Yarns for hand knitting
- Yarns for machine knitting

## RING SPINDLE

- Take-up bobbin



# Fanta **FILO-ROC**

## THE KNITTING YARNS EVOLUTION

Machine for the production of fancy twisted yarns particularly soft and bulky with one hollow spindle and take-up both on bobbin and on external cone.

### FEEDING

**FL:** yarn to yarn

**ST:** from roving or sliver

- ST1 (1 draft)
- ST2 (2 drafts). Patented. Suitable also for short fibers (cotton type)
- ST3 (3 draft)

### WORKING MODALITIES

#### Fanta **ROC-FC1**

- Hollow spindle
- Take-up on external cone

#### Fanta **FILO**

- Hollow spindle
- Take-up on bobbin

#### Fanta **SPIN**

- Direct spinning bypassing the hollow spindle
- Take-up on bobbin

### HOLLOW SPINDLE

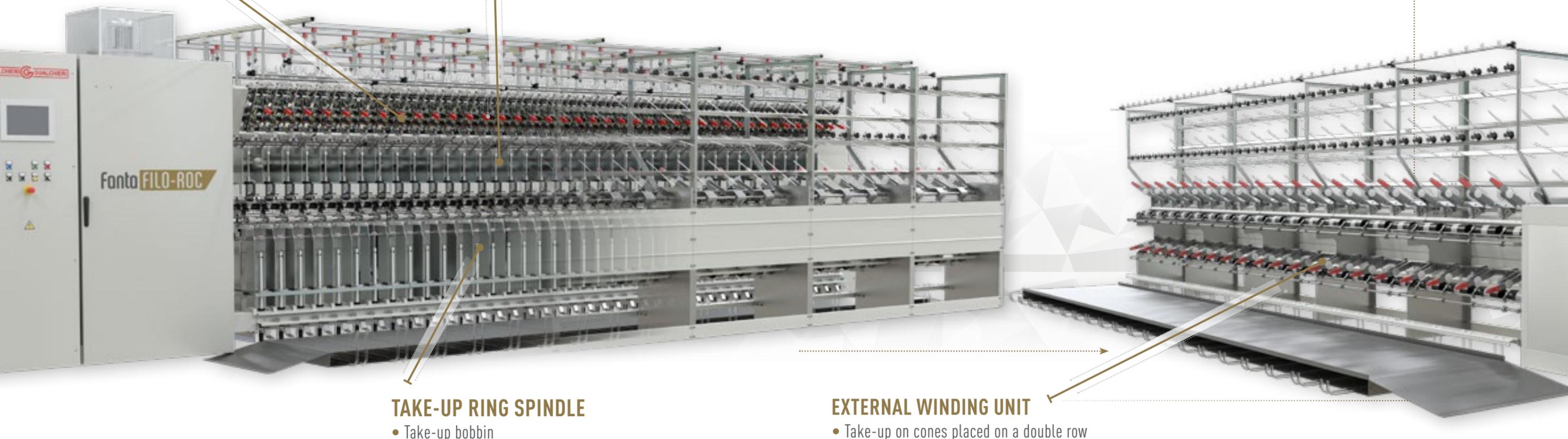
- Flanged bobbin for binding yarn

### OPTIONAL ACCESSORIES

- Needle heads
- Creel from cans
- Insertion bars
- Air-jet application
- Final yarn detectors
- Stop-motion for core yarns

### TYPE OF YARNS

- Yarns for hand knitting
- Yarns for machine knitting
- Yarns for weaving (apparel and upholstery fabrics)



### TAKE-UP RING SPINDLE

- Take-up bobbin

### EXTERNAL WINDING UNIT

- Take-up on cones placed on a double row

# Fonta EXTRA-FC1

## THE MOST COMPACT MACHINE FOR UPHOLSTERY FABRICS

Machine for the production of fancy and special twisted yarns with one hollow spindle and take-up on incorporated cones. Upon request the machine can be supplied with independent false twist control.

## FEEDING

**FL:** yarn to yarn (adding an external creel)

**ST:** from roving or sliver

- ST1 (1 draft)
- ST2 (2 drafts). Patented. Suitable also for short fibres (cotton type)
- ST3 (3 drafts). Patented

## WORKING MODALITIES

### Fonta EXTRA-FC1

- One hollow spindle
- Take-up on incorporated cones

## HOLLOW SPINDLE

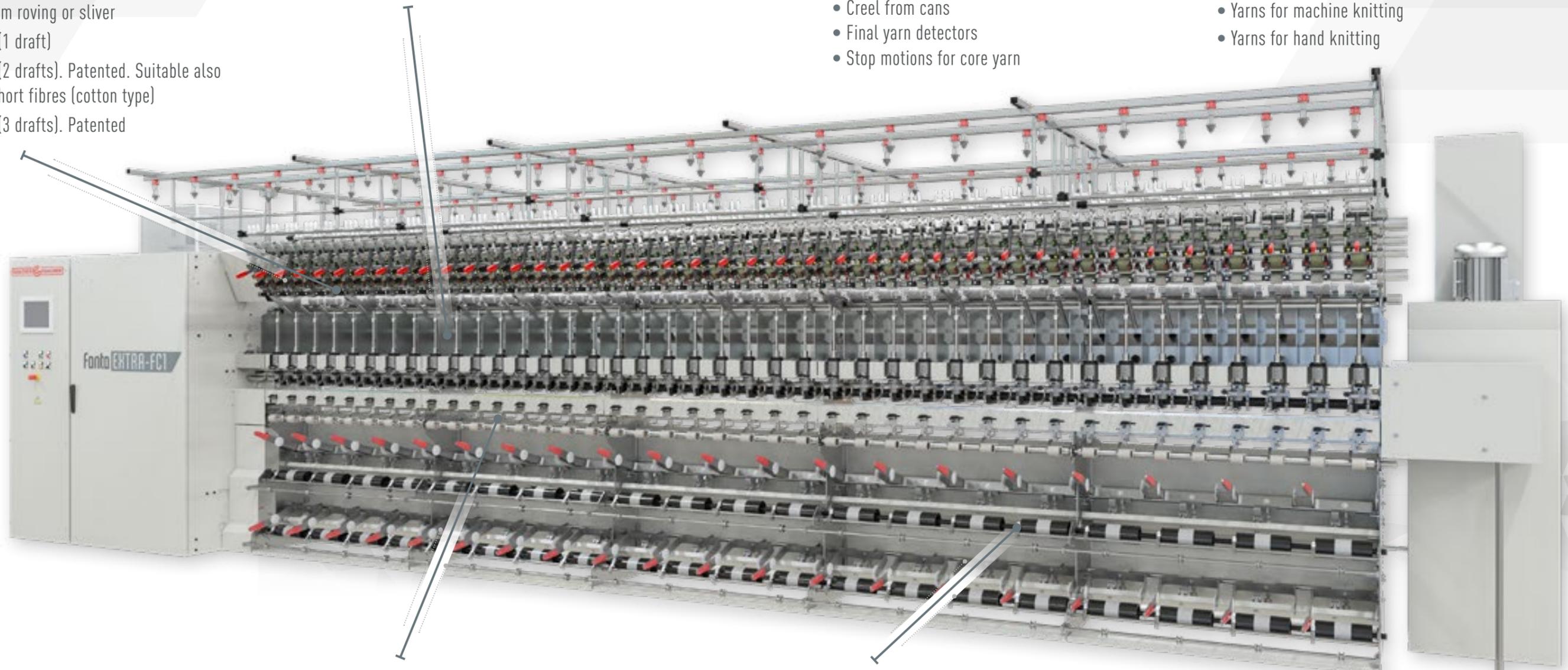
- Flanged bobbin for binding yarn

## OPTIONAL ACCESSORIES

- Needle heads
- Creel from cans
- Final yarn detectors
- Stop motions for core yarn

## TYPE OF YARNS

- Yarns for upholstery fabrics
- Yarns for machine knitting
- Yarns for hand knitting



## FALSE TWIST

- Independent false twist control upon request

## INCORPORATED WINDING UNIT

- Take-up on cones placed on a double row

# Fonto EXTRA-FC2

## INNOVATIVE SOLUTION FOR TECHNICAL YARNS

Machine for the production of fancy and special twisted yarns with two hollow spindles and take-up on incorporated cones.

## WORKING MODALITIES

### Fonto EXTRA-FC1

- One hollow spindle (one binding)
- Take-up on incorporated cones

### Fonto EXTRA-FC2

- Two hollow spindles (two bindings)
- Take-up on incorporated cones

## FEEDING

FL: yarn to yarn

## 1<sup>ST</sup> HOLLOW SPINDLE

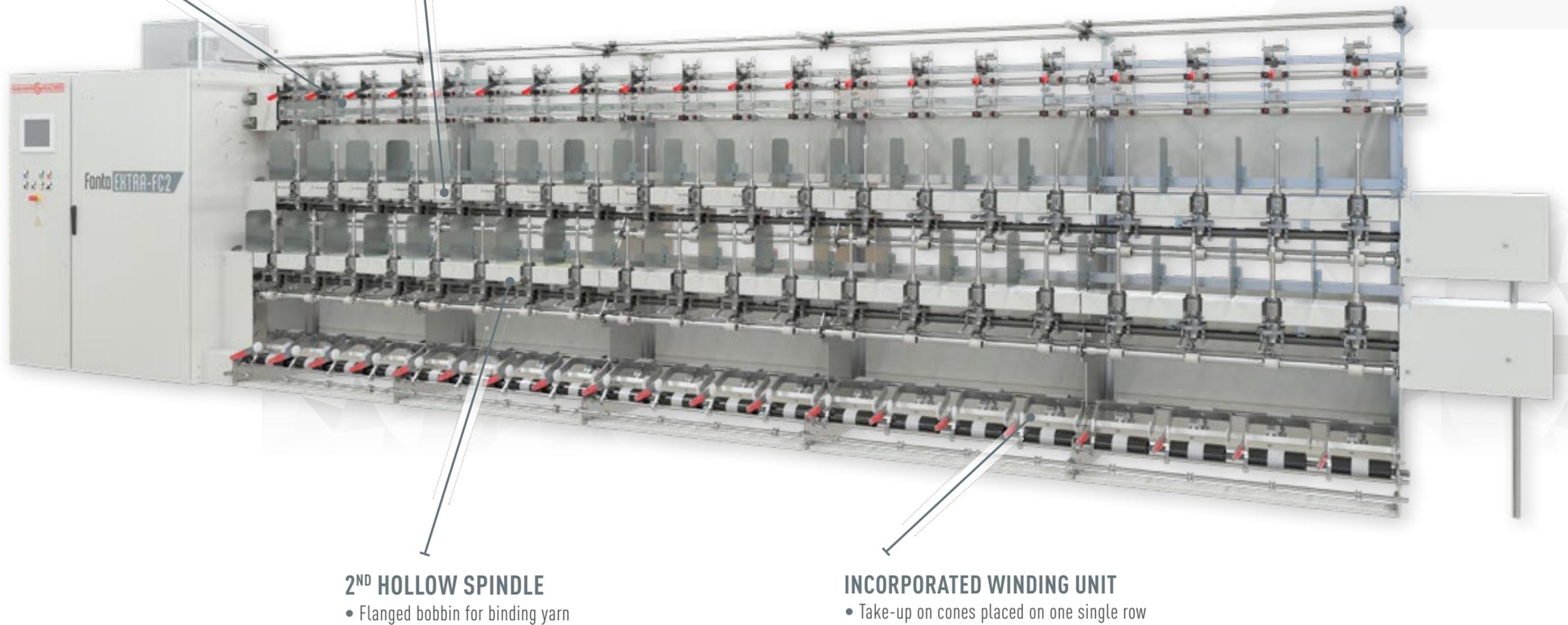
- Flanged bobbin for binding yarn

## OPTIONAL ACCESSORIES

- Needle heads
- Final yarn detectors
- Stop motions for core yarn

## TYPE OF YARNS

- Technical yarns
- Yarns for upholstery fabrics
- Covered yarns



## 2<sup>ND</sup> HOLLOW SPINDLE

- Flanged bobbin for binding yarn

## INCORPORATED WINDING UNIT

- Take-up on cones placed on one single row

# Fanto BFL

## BOBBIN WINDER FOR FLANGED BOBBINS

Auxiliary machine for the preparation of flanged bobbins with binding yarn, to be used on spin-twisting machines with hollow spindle. Possibility to create different package shapes: cylindrical, bottle, cop and combined shape.

## CONTROL PANEL

- Touch screen PC with integrated PLC
- Working modality to be selected in the software
- Working programmes can be memorized

## ELECTRONIC YARN GUIDE

- Positive control of the yarn guide movement also on descent



## PACKAGE SHAPES



## Fanta **ROC-FT2**

### NEW PERSPECTIVES FOR THE YARNS WITH DOUBLE BINDING

Machine for the production of fancy yarns with double hollow spindle and independent false twist under each hollow spindle. Take-up on external winding unit.

The machine has two working modalities: one hollow spindle (one binding yarn) and take-up on cone or two hollow spindles (two binding yarns) and take-up on cone.

Yarn to yarn or from roving with one, two or three drafts.

## Fanta **SPIN**

### THE TRADITIONAL CLASSICAL YARN

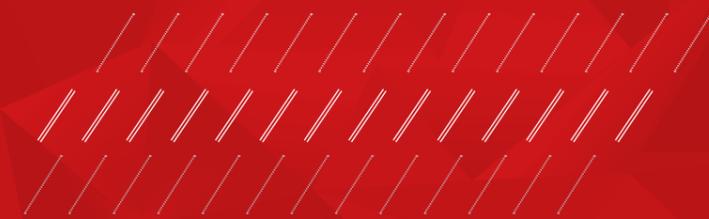
Machine for the production of classical or slub yarns from roving and/or sliver with take-up on 600 mm tube so as to reduce the number of knots in the following processes.

Upon request take-up can be on 450 mm bobbin.

The machine is available with one, two or three drafts with feeding from sliver in cans.

Upon request a special draft can be supplied with possibility to draft slivers up to 14 gr. each.

## SPECIAL YARNS



# Spike **FIL0-AIR**

## THE LIGHTNESS OF SOFTKNIT YARN

Machine for the production of soft knitted fancy yarns by means of needle heads with air jet. The yarn is taken-up on bobbin. Optimized mechanical ratios to guarantee high feeding speeds.

## WORKING MODALITIES

### spike **FIL0**

- Needle head
- Take-up on bobbin

## FEEDING

**ST:** from roving or sliver

- ST1 (1 draft)
- ST2 (2 drafts). Patented. Suitable also for short fibres (cotton type)
- ST3 (3 drafts)

## NEEDLE HEAD

- 1 working position
- 2 working positions

## OPTIONAL ACCESSORIES

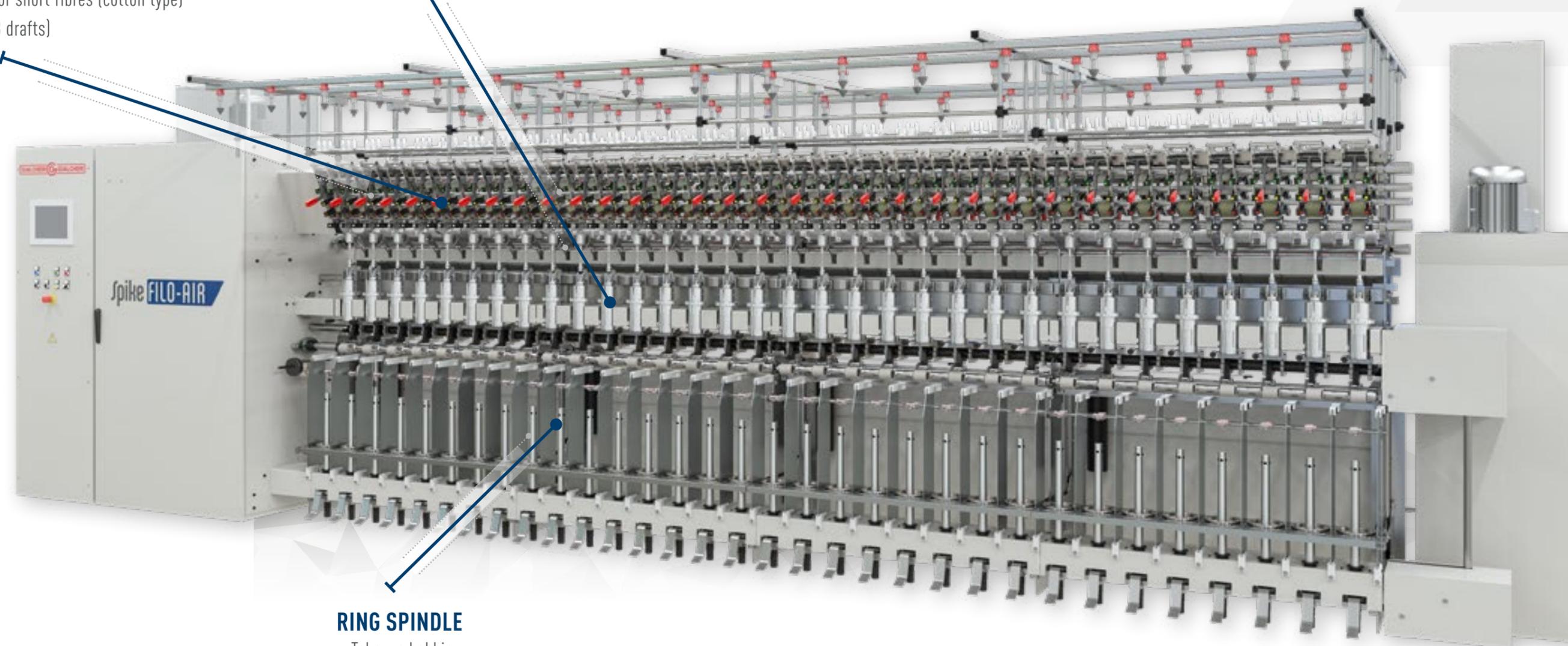
- Hollow spindles
- Insertion bars for heads with 1 working position
- Final yarn detectors
- Stop-motions for core yarns

## TYPE OF YARNS

- Yarns for machine knitting
- Yarns for hand knitting

## RING SPINDLE

- Take-up bobbin



# Spike **FIL0-1B**

## NEW FANCIES FOR THE RIBBON YARN (YARN TO YARN)

Machine with needle heads for the production of special yarns with insertion bars and take-up on bobbin. Yarn to yarn.

# Spike **EXTRA-FT**

## THE SOFTNESS OF THE RIBBON YARN FROM ROVING AT HIGHEST SPEEDS

Machine with needle heads for the production of particularly soft ribbon yarn from roving to be used in knitting.

This machine has been designed to reach high production speeds. Take-up on incorporated cone under the needle heads.

The machine is available with one, two or three drafts

# CHENILLE YARN



# EPT CHENILLE

## THE MOST APPRECIATED CHENILLE MACHINE IN THE WORLD

Machine for the production of chenille yarn with very low power consumption. Completely electronical with centralized drive and tangential belts to control the spindles, the blades and the effect heads. Possibility to produce SLUB CHENILLE with gradual, fast and random steps.

### EFFECT HEADS

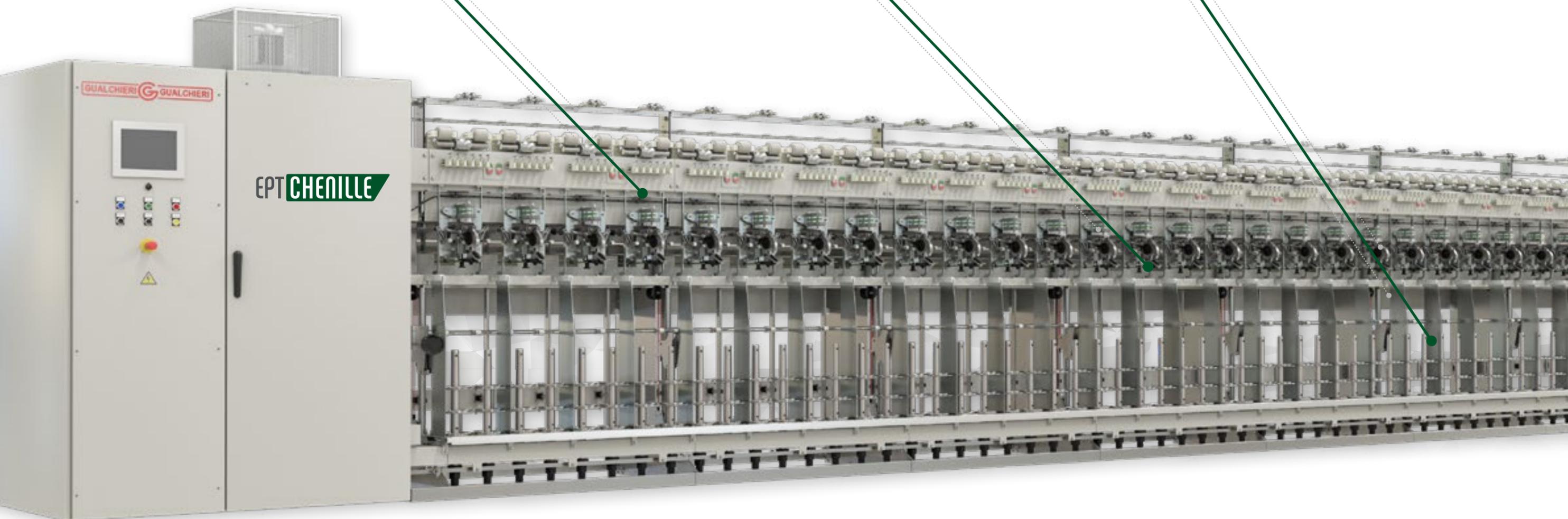
The tangential belt control placed at the back of the machine makes the threading operations easier.

### BLADE GROUP

Independent control that assures the best cutting speed with any production speed.

### RING RAIL

Optimized transmission to guarantee the correct and uniform rotation speed from the first to the last spindle assuring a homogeneous yarn production along all the machine.



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==== MADE IN ITALY WITH PASSION SINCE 1973 ====

# GUALCHIERI GUALCHIERI

SINCE 1973 MANY SOLUTIONS TO INCREASE  
YOUR BUSINESS EFFICIENCY.

Fanta **ROC-FIL**

Fanta **EXTRA**

Fanta **ROC**

Fanta **SPIN**

Fanta **ROC-FT2**

EPT **CHENILLE**

Fanta **BFL**

Spike **FILO-AIR**

Fanta **FILO**

Spike **FILO-IB**

Fanta **FILO-ROC**

Spike **EXTRA-FT**



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