

## TECHNICAL CHARACTERISTICS

Ring diameter	115 mm
Number of spindles	1
Flanged bobbin height	220 mm
Bobbin height	450 mm
Cone traverse	6" - 8"
Dimensions	1120 x 1000 x 2350 mm

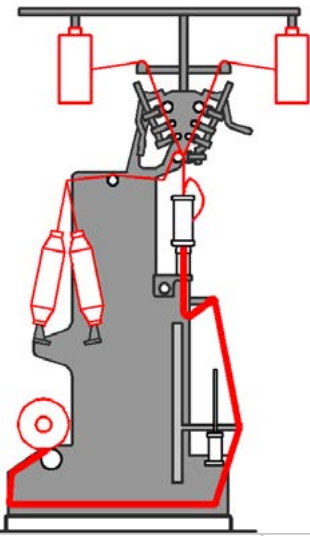
**Different ring diameters can be considered upon request.**

Gualchieri e Gualchieri reserve the right to modify the data in the tables without any notice in order to improve the machine performance.

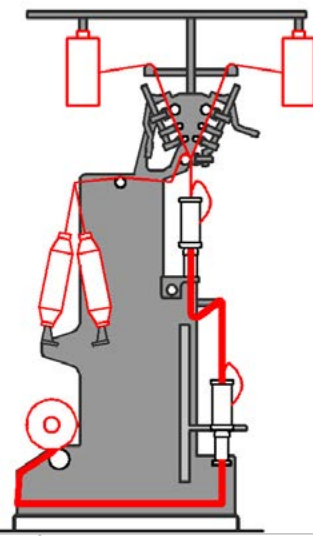
## TECHNICAL PERFORMANCES

Max draft (times)	999
Max twists (tpm)	0-9999
Top spindle max speed (rpm)	13000
Bottom spindle max speed (rpm)	8800
Final yarn count (Nm)	0,5 - 40

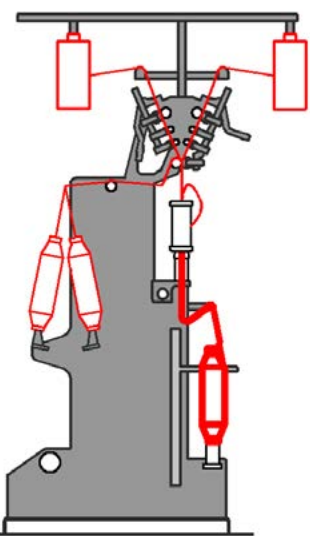
### Fanta ROC-FC1



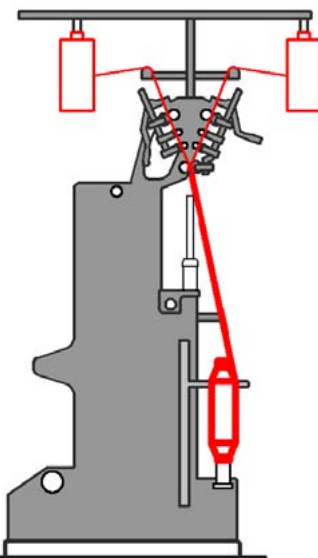
### Fanta ROC



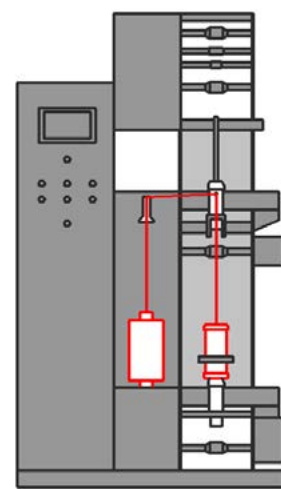
### Fanta FILO



### Fanta SPIN



### Fanta BFL



Our FANTA ONE has the ACIMIT Green Label Certification and it complies with INDUSTRY 4.0 ready.



## ENERGY G MONITORING

### Full control of production costs

Energy G MONITORING is a measuring system of the electricity. It allows to monitor in real time the actual machine energy cost for each yarn produced.

This system can be installed on any of our machine models upon request.

- ✓ Real time measuring of the energy used for each yarn
- ✓ Production history archive for data analysis
- ✓ It can be applied also on the existing machines



## YARN G QUALITY

### Maximizing the production, minimizing the operating costs

Yarn G QUALITY is an integrated software developed by us to program the detectors and manage the yarn breakages directly from the machine PC, without using external control units. The software helps to reduce the maintenance costs as well as the cost of the personnel in charge of the supervision on the machine.

- ✓ Saving of all the settings of the detectors in every yarn recipe
- ✓ Quality indicator of every yarn package according to the number of interventions registered
- ✓ It can be applied also on the existing machines



## YARN G LAB

### Your technician at your fingertips



Download now!



Yarn G LAB is an app created for all the technicians that are involved in the manufacture of fancy yarns. The App, that is free of charge and can be downloaded from any platform, features tools open to everybody as well as a reserved area for our customers with several additional functions.

- ✓ Useful conversion tool of the yarn counts and definition of its characteristics
- ✓ It helps the technician to develop new yarns
- ✓ Remote control on our machines from any device and from any location in the world through personal user name and password



WWW.GUALCHIERIEGUALCHIERI.IT  
Via Nea Ionia, 43 - 59100 PRATO - ITALY  
Phone +39 0574 590587  
info@gualchieriegualchieri.it



# Fanta ONE

The laboratory frame for the production of high quality yarns  
One machine: five working modalities

Fancy yarns - Special yarns



MADE IN ITALY SINCE 1973

# Fanta ONE

**THE LABORATORY FRAME FOR THE PRODUCTION OF HIGH QUALITY YARNS**  
**ONE MACHINE: FIVE WORKING MODALITIES**

## WORKING MODALITIES

**Fanta ROC-FC1** One hollow spindle (one binding yarn) and take-up on incorporated cone

**Fanta ROC** Two hollow spindles (two binding yarns) and take-up on incorporated cone

**Fanta FILO** One hollow spindle and take-up on bobbin

**Fanta SPIN** Direct spinning bypassing the hollow spindle and take-up on bobbin

**Fanta BFL** Preparation of the flanged bobbins with binding yarn

## PRODUCTION FACILITIES

- Management software with simple and intuitive interface
- Yarn programmes and working modalities software-selectable
- Industry 4.0 ready
- Remote assistance that can be enabled directly from the machine PC
- Energy G MONITORING for the real time measurement of the electrical power consumption upon request

## TYPE OF YARNS

- Yarns for hand knitting
- Yarns for knitting
- Yarns for weaving
- Yarns for apparel fabrics
- Yarns for upholstery fabrics
- Technical yarns
- Protech
- Mobiltech

## OPTIONAL ACCESSORIES

- Needle heads
- Air-jet application
- Injection bars
- Independently controlled false twist
- Final yarn detectors
- Stop-motions for the core yarn
- Creel from cans
- Creel from yarn

## DESCRIPTION

Our FANTAONE is a laboratory machine for the production of high quality samples of all the yarns that can be produced on any of our machine models. It has been specially designed for technical institutes as well as for the yarn manufacturers that want to develop new yarn samples without stopping their production. The machine produces FANCY TWISTED YARNS and TECHNICAL YARNS from roving (roving frame or finisher) with one or two hollow spindles, ring rail and winding group.

The drafting group may feature one, two or three drafts and can process both short staple cotton fibers and long staple woollen fibers. It is possible to feed the machine also from yarn (YARN TO YARN) and from sliver in cans with suitable external creels that can be supplied upon request. The bottom hollow spindle can be used as a take-up spindle by means of special adaptors developed by us.

The yarn programmes created on the machine are used directly on the production machines which makes the FANTAONE essential for the spinning mills. The machine can also be used as a BOBBIN WINDER to prepare the flanged bobbins with the binding yarn. Upon request it is possible to supply different types of needle heads to install in place of the hollow spindles to produce SPECIAL YARNS like TUBE YARNS, TUBE FILLED YARNS and AIRJET SOFTKNIT YARNS. The conversion is a simple and quick operation.



## FEEDING

- FL:** yarn to yarn (adding an external creel upon request)
- ST:** drafts from roving or sliver (creel from cans optional upon request)
- ST1 (1 draft)
- ST2 (2 drafts) Suitable also for short fibers (cotton type)
- ST3 (3 drafts)

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

- Flanged bobbin for binding yarn

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

- Flanged bobbin for binding yarn
- Take-up bobbin

## WINDING UNIT

- Take-up on cone

## BOBBIN WINDER FUNCTION

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



MADE IN ITALY SINCE 1973



[WWW.GUALCHIERIEGUALCHIERI.IT](http://WWW.GUALCHIERIEGUALCHIERI.IT)

