

COMPLETE RANGE OF

# LABORATORY KNITTING MACHINES



**High precision single feeding laboratory machines for the production of tubular knitted fabrics.**

Ideal for:

- yarn regularity assessment
- colour affinity and uniformity evaluation
- sampling (swatches of dyed yarn or/and samples for colour fastness tests)

Thanks to top quality components and very accurate yarn tension control, the Mesdan-Lab knitting machine range guarantees high-level performances and fabrics of highest quality.

## **Main features:**

- interchangeable cylinders with 3, 3/4" diameter for a wide range of yarns
- micro-adjustment of fabric stitch density
- with automatic lubricating system of the cylinder
- ergonomic control pad, with electronic yarn meter, adjustable cylinder rotation speed from 0 to 450 rpm
- led lightning, showing machine current operating status
- adjustable fabric sample length



COMPANY WITH  
MANAGEMENT SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =  
= ISO 14001 =

# LABORATORY KNITTING MACHINES

## Standard available cylinders

Code	# needles	Needle gauge	Count range	
294E.1320	320	75	dtex 10-100	Ne 80-120
294E.1260	260	70	dtex 30-150	Ne 60-80
294E.1240	240	48	dtex 70-300	Ne 40-60
294E.1220	220	48	dtex 100-400	Ne 20-40
294E.1140	140	36	dtex 200-1000	Ne 12-20
294E.1112	112	24	dtex 400-2000	Ne 8-12

\* The cylinder choice must be always confirmed through a yarn testing, to be performed on some customer's yarn samples: the most suitable cylinders can vary depending on the material slipping characteristics, fibre composition and count. \*\* Special cylinders are available on demand.

### Lab Knitter code 294E

Single cylinder machine

### Double Lab Knitter code 294F

semi-automatic machine with two independent cylinders, especially suitable for dye houses.

### Dye Scanner code 2940A-B

High speed fully automatic model for 24 or 36 bobbins. Especially suitable for texturizing mills. It includes: Auto Cop Changer for 24 or 36 bobbins, electronic yarn feeder, electronic yarn pretension device, knot detector and yarn guide frame.



Lab Knitter code 294E

Double Lab Knitter code 294F

Dye Scanner code 2940A-B

## Optional accessories for the Lab Knitter:

- Automatic electronic high precision yarn tension control to ensure accurate and consistent tension control, accuracy 0.1 cN, **code 294E.1100**.
- Foot switch for the machine restart, after a new package loading, without using the keyboard, **code 294E.80**.



## DIMENSIONS / POWER SUPPLY

Lab Knitter Code 294E	Double Lab Knitter code 294F	Dye Scanner code 2940A-B
Weight: 130 Kg Dimensions: (L) 450 x (W) 850 (H) 1750 mm. Power supply: 230 Vac, 50/60Hz, single-phase, or 230 Vac, 50/60Hz, three-phase, or 400 Vac, 50/60Hz, three-phase +N Power consumption: 1100W	Weight: 180 Kg Dimensions: (L) 600 x (W) 850(H) 1750 mm. Power supply: 230 Vac, 50/60Hz, single-phase, or 230 Vac, 50/60Hz, three-phase, or 400 Vac, 50/60Hz, three-phase +N Power consumption: 1100W	Weight: 200 Kg Dimensions: (L) 1500 x (W) 4000 (H) 1750 mm. Power supply: 400 Vac, 50Hz, three-phase +N Power consumption: 1900W Air supply: 6 bar

Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding  
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