

294E LAB



Lab Knitter

High precision single cylinder laboratory knitting machine, for the production of tubular knitted fabrics.

Particularly recommended for:

spinning mills, where the control of yarn regularity is necessary (the knitted fabric points out defects due to unevenness of the yarn).

Dye house laboratories, where a systematic and analytic analysis of the yarn dyeing affinity is necessary.

Texturising mills, for the dyeing affinity control of textured synthetic yarn packages.

LAB KNITTER stands up for:

NO TENSION VARIATION & TOTAL TENSION CONTROL provided by single yarn feeding system through one optional high sensitive, 0.1cN accuracy, adjustable tensionmeter code 2940.100.

HIGH PRODUCTIVITY, thanks to optional foot switch, code 294.80.

Technical features:

Interchangeable cylinder of 3 3/4" diameter to be chosen from a wide range of interchangeable cylinders available, with selectable number of needles and fineness.

Fabric fineness regulation mechanism for the stitch density.

Oiling system with adjustable timer for the automatic lubrication of the cylinder.

Ergonomic control pad with led indicators to easily control machine functions.

Electronic metering system to predetermine the desired length of the knitted fabric.

Variable speed regulation from 0 to 450 rpm, by means of a potentiometer.

Electronic device for the pre-selection of number of cones to be tested and length of yarn to be knitted.

Range of available interchangeable cylinders:

320 needles - gauge 75 - indicative count range: 10 - 100 dtex - code 294E.1320

260 needles - gauge 70 - indicative count range: 30 - 150 dtex - code 294E.1260

240 needles - gauge 48 - indicative count range: 70 - 300 dtex - code 294E.1240

220 needles - gauge 48 - indicative count range: 100 - 400 dtex - code 294E.1220

140 needles - gauge 36 - indicative count range: 200-1.000 dtex - code 294E.1140

112 needles - gauge 24 - indicative count range: 400-2.000 dtex - code 294E.1112

Additional special cylinders are available on demand.

Yarn testing is highly recommended, since yarn specific features can influence the suitability of the cylinder.

Optional accessories:

Electronic tensionmeter, code 2940.100 with 0.1 cN accuracy, to allow an accurate and steady operative yarn tension, in order to avoid knitting defects, due to tension variations during the package unwinding.

Foot switch, code 2940.80, for remote start of the machine.

Size in cm: 85x45x175 h

Origin: Italy

COMPLEMENTARY ACCESSORIES

294E 1220	Cylinder 220 needles - needle gauge 48 - suggested yarn count range 100-400 dtex
294E 80	foot switch
294E 1100	yarn tensioner

Power Supply: 400V 50/60Hz three-phase + neutral

Packing estimated specifications

N.1 Crate
 Dimensions: 100x72x170 h
 Volume: 1,224 m3
 Net weight: 131,5 kg
 Gross weight: 189,5 kg