

**G E** series  
SINGLE CYLINDER  
GE516C



# SINGLE CYLINDER GE516C

**SBYS DEVICE,**  
for automatic linking,  
increased reliability  
and productivity  
compared to the  
previous series.

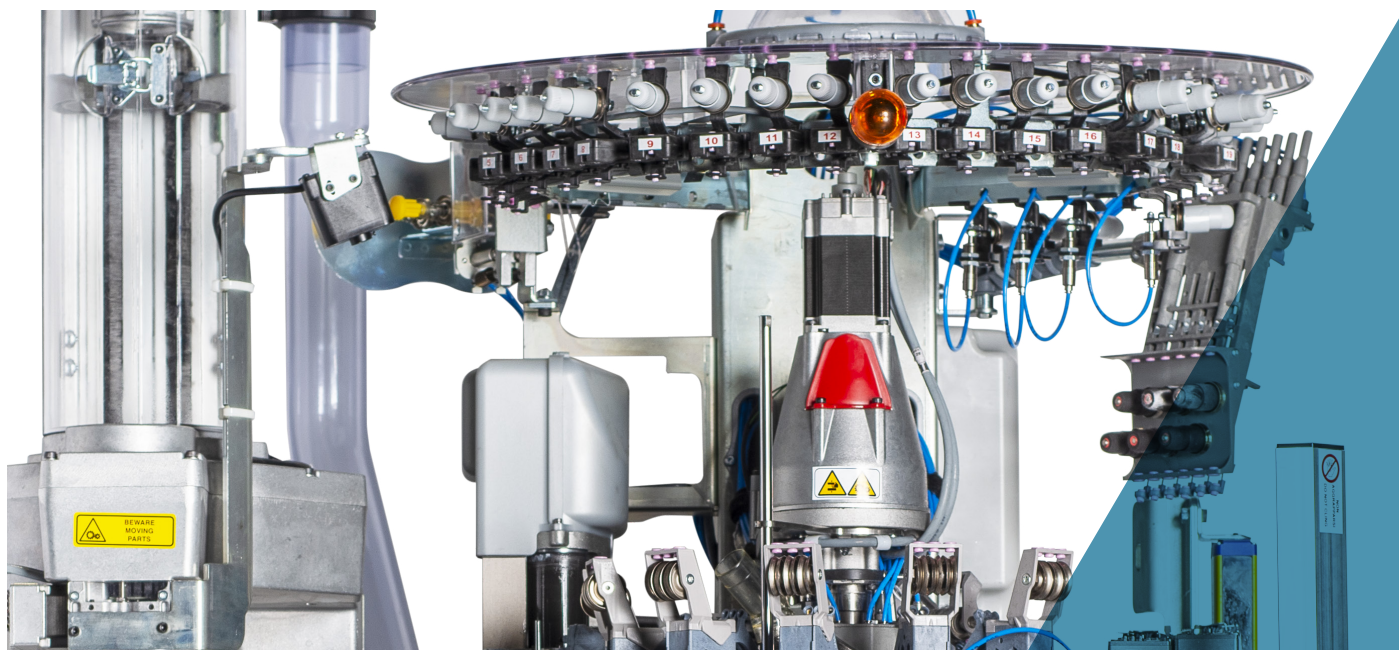
**KNITTING HEAD**  
designed to knit high quality items  
and ensure constant reliability  
over time.

**STEPPING MOTORS**  
with absolute encoder  
for angular position  
control.

**HEAVY SOCK**  
device

**NEW ELECTRONIC**  
9" high resolution  
touch screen  
display. New user  
friendly interface.  
Ethernet, Wifi, NFC  
connections,  
Bluetooth is also  
available for future  
developments.





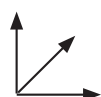
All images in this brochure are indicative and not binding.

## SINGLE CYLINDER GE516C

1 feed machines are the best sellers of the single cylinder for men's socks as, thanks to their versatility, they can produce several different items, from the very simple to the most complex, without compromising on quality and efficiency. Available in six colors version on course in 4" diameter and different number of needles. Automatic linking with the latest version of the SBYS device, performing a "real linking" technique. Advantages are remarkable: superior quality sock finishing, more comfort and resistance compared to socks made using conventional systems. New electronics provides control and execution of all machine commands. Drawings and articles are created and managed by Digraph 3 Plus software package, which contains a full collection of styles the operator can combine in different ways to obtain the desired results.

- 6 colors pattern on course according to the model, in terry
- Reciprocated heel and toe in different sizes and 3D effects
- 28 yarn fingers
- Rising dial and finger plate with stepping motor
- Electronic actuators for needle selection, 9
- Brushless coaxial main motor

### MACHINE DIMENSIONS



Length max 127.3 cm  
Depth max 114.8 cm  
Height max 228 cm

### MACHINE WEIGHT



ca. 315 Kg

### CERTIFICATION



Green  
Label

# SINGLE CYLINDER

## GE516C

### TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GE516C	4"	from 8 to 14	0.85 - 1 mm

Above data are indicative and not binding.

### STANDARD DEVICES

- Stepper motor electric dial with adjustable height
- Stitch cam feed: 1 with 3 different heights.
- Motorized sinker cap for sinker pressure and angular position
- 9 " high resolution touch screen display
- Yarn sliding sensors guard cleaning device
- Heel yarn recover device with four positions
- G-Flot yarnfinger
- Motorized knit rising tube
- Heavy sock device
- 2 stepper motor controlled adjustable suction valves
- 9 yarnfingers on stitch feed
- Yarn creel
- USB port
- 18 color yarnfingers
- Circular yarn cutter with mechanical stop
- Dinema camera
- 1 yarnfinger on laid-in elastic feed

### MAIN OPTIONAL DEVICES

- LGL Eco Power or Eco Compact yarn storage feeder, also available with "Attivo" electronic brake version
- Dinema GRYF positive yarn feeders
- Elastic yarn positive feeders, for compression socks
- Dinema Plus elastane positive feeders
- Motorized stitch cams
- Footlet device
- G-Flot 2 device
- Elastane extra pliers device
- Yarn recover device, 6 positions
- Yarn trimming circular cutter with adjustable speed
- Lower sock-turning device with rotating tube
- Linking device and yarnfingers inspection led lamps
- Preparation for storage feeder "Unifeeder 2" by BTSR
- Ethernet board for connection to Dinema Nautilus data collector system
- Second elastic yarn finger
- Yarn sliding control sensors, Dinema ISPY
- Pneumatic yarn tensioner for covered elastane
- Suction fan

### POSSIBLE KNITTING

The standard machine can perform the following knittings

- 6 colors pattern, plus ground color, mesh, tuck and float stitch, in terry
- With laid-in elastic: 6 colors pattern, plus ground, tuck and float stitch, in terry
- With laid-in elastic: 5 colors pattern, plus ground, mesh, tuck and float stitch, in terry

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### NUMBER OF COLORS

Number of colors	GE516C 6 colors on course plus ground
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### PERFORMANCES

	4" CYLINDERS
KNITTING FEATURES	Patterns or selections or terry 300 rpm
	Plain knit without pattern with high speed sinkers cap 350 rpm
MAXIMUM SPEED	350 rpm

Above data are indicative and not binding.

DISCLAIMER: maximum speed may vary depending on yarn, knitting, lubrication etc

### GAUGE

	GAUGE																						
Model	ø	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12	12½	13	13½	14	14½	15	15½	16	16½	
GE516C	4"			84	96	108 112		116 120		128 132	136	144											
		Needle thickness 1 mm																					
							Needle thickness 0.85 mm																

Above data are indicative and not binding.

#### DISCLAIMER:

All features in the brochure are for information only and subject to change without any prior notice.

For a complete list of available options, please contact Lonati sales network.

The Company accepts no liability for improper use of machinery.

Lonati is recommending needles from  
**GROZ-BECKERT®**

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### NOISE LEVEL (Maximum noise output for GE series models)

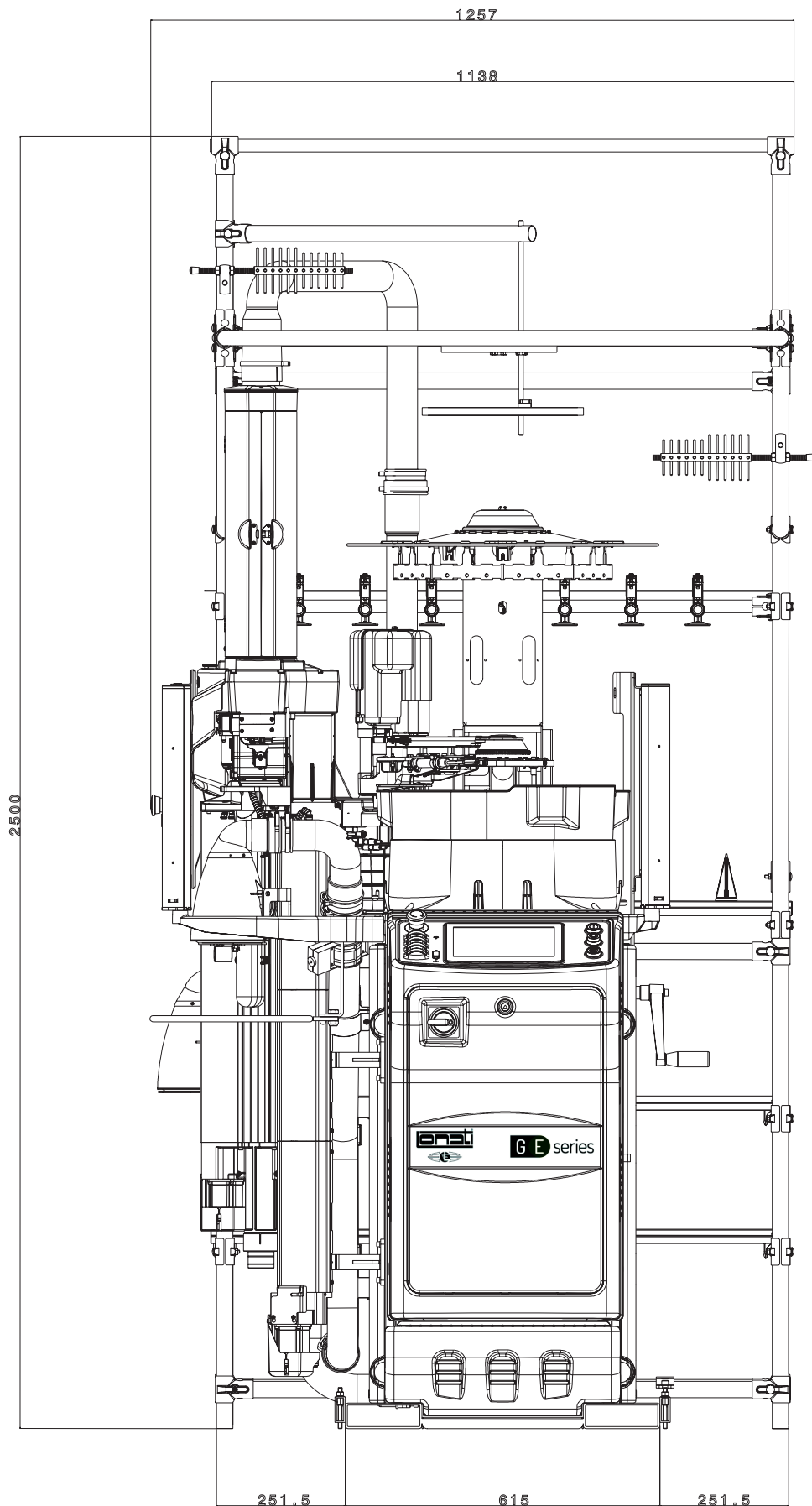
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

### LUBRICANTS

Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Trax 16C

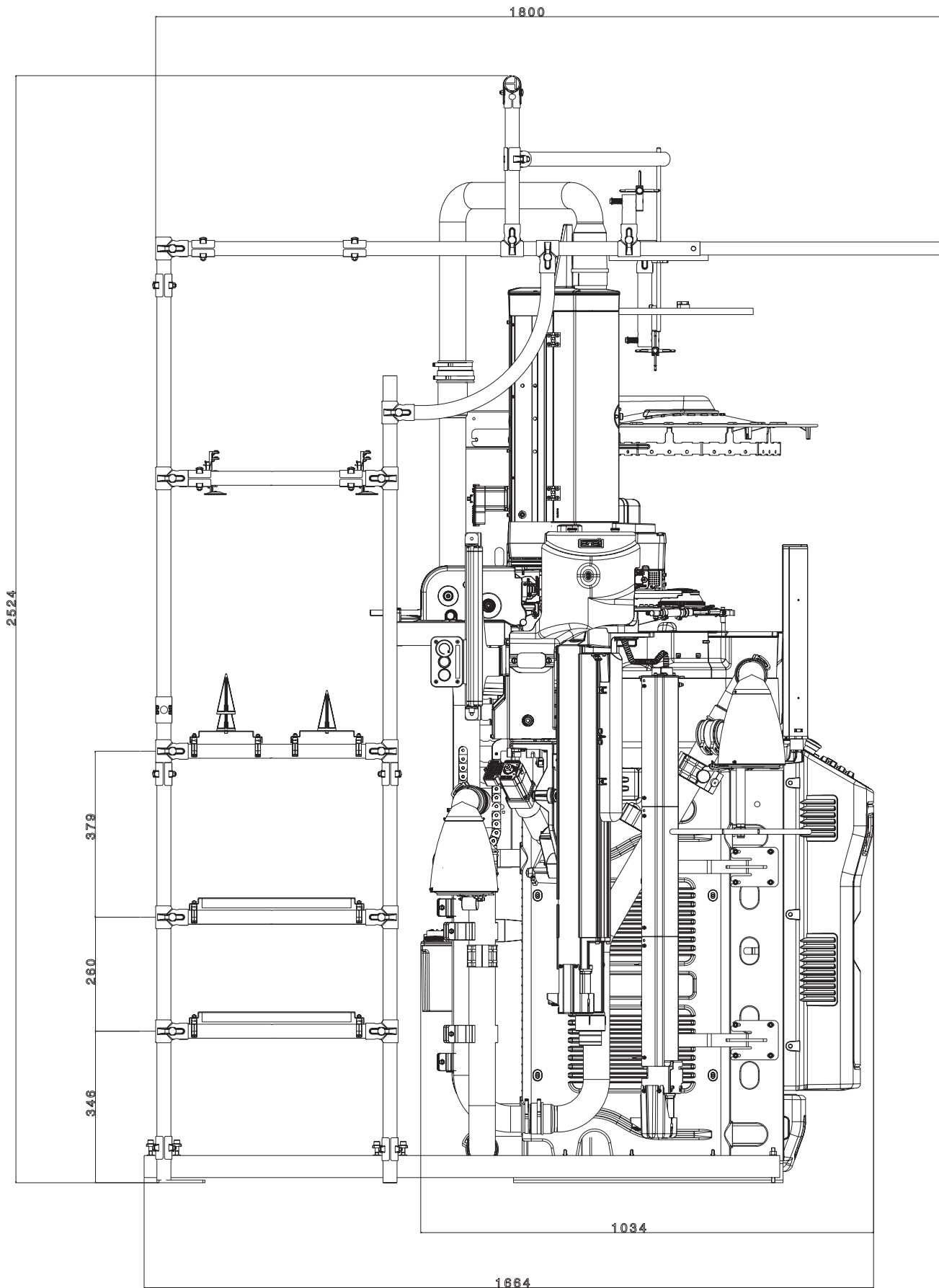
### GREASE

For seals, bearings etc: Lonati recommends: TechnolubeSeals Damping grease Nyogel 774F-1 (alternatively Maconsynth 4000) and Maconplex TX-1. FOR APPLICATION SEE SAFETY MANUAL (USE AND MAINTENANCE).



DESCRIPTION	CODE	NR. OF REELS	WEIGHT KG.	NOTES
Yarn creel	G3930706	23	51	Standard version
Yarn creel	G3930707	23	51	Version with BTSR sensors





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