

**G E** series  
SINGLE CYLINDER  
GE544S



# SINGLE CYLINDER

## GE544S



### KNITTING HEAD

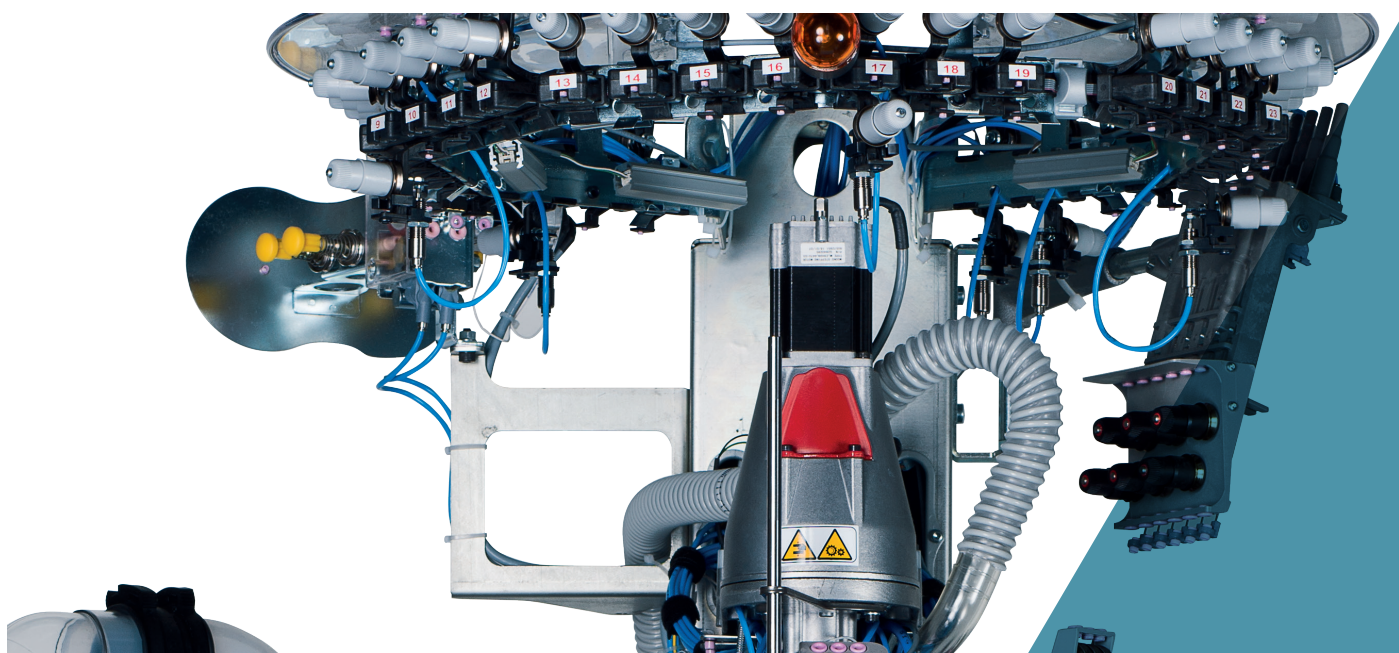
designed to knit high quality items and ensure constant reliability over time

### SINKERS CAP

standard terry or plating

### NEW ELECTRONICS

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 GE544S

4 feeds single cylinder for men's socks machines are designed to offer maximum productivity. They are available in 4" diameter with different numbers of needles. 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.

- 4 colors pattern on single feed course, plain knit or terry
- Reciprocated heel and toe in different sizes
- 27 yarn fingers
- Rising dial and finger plate with stepping motor
- 9 electronic actuators for needle selection
- Brushless coaxial main motor

### MACHINE DIMENSIONS



Lenght max 94.5 cm  
Depth max 103.3 cm  
Height max 180 cm

### MACHINE WEIGHT



ca. 230 Kg

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### TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GE544S	4"	from 8 1/2 to 13 1/2	1.00 - 0.85 - 0.70 mm

Above data are indicative and not binding.

### STANDARD DEVICES

- Stepper motor electric dial with adjustable height
- Stitch cam feeds: 1,2,3,4 with 3 different heights.
- Motorized sinkers 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
- 9 yarn fingers on first feed, 6 on second, third, fourth feed
- Yarn creel
- USB port
- Circular yarn cutter with mechanical stop
- Stepper motor controlled adjustable suction valve

### MAIN OPTIONAL DEVICES

- LGL Eco Power or Eco Compact yarn storage feeder, also available with "Attivo" electronic brake version
- Dinema YoYo positive yarn feeders
- Elastic yarn positive feeders, for compression socks
- Dinema Plus elastane positive feeders
- Motorized stitch cams
- Antitwist device
- Footlet device
- G-Flot device
- Recover yarn device, 6 positions
- Yarn trimming circular cutter with adjustable speed
- Led inspection lamps
- Dial with 5 pliers for bare or coated elastane
- Preparation for storage feeder "Unifeeder 2" by B TSR
- Ethernet board for connection to Dinema Nautilus data collector system
- Yarn sliding control sensors, Dinema ISPY
- 4 feeds for reinforced sole
- Pneumatic yarn tensioner for covered elastane
- Suction fan

### POSSIBLE KNITTING

The standard machine can perform the following knittings

- 4 colors pattern plus ground color, tuck and float stitch, 1 feed, plain knit or terry
- 3 colors pattern plus ground color, mesh, tuck and float stitch, 1 feed, plain knit or terry
- With laid-in elastic: 2 colors pattern plus ground color, tuck and float stitch, 1 feed, plain knit or terry
- With laid-in elastic: 2 colors pattern plus ground color, mesh, tuck and float stitch, 1 feed, plain knit or terry
- Tuck and float stitch, jacquard, 4 feeds, plain knit or terry
- Elastic on 2 feeds, plain knit and terry
- Mesh on 2 feeds, plain knit and terry

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### NUMBER OF COLORS

Number of colors	4 colors on course plus ground color, one feed
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### PERFORMANCES

	4" CYLINDER
KNITTING FEATURES	Patterns or selections or terry 300 rpm Plain knit without pattern, high speed sinker 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	
GE544S	4"	84	88	96		108 112		116 120		132		144		156		168	176	
		Needle thickness 1 mm																
		Needle thickness 0.85 mm																
		Needle thickness 0.70 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)

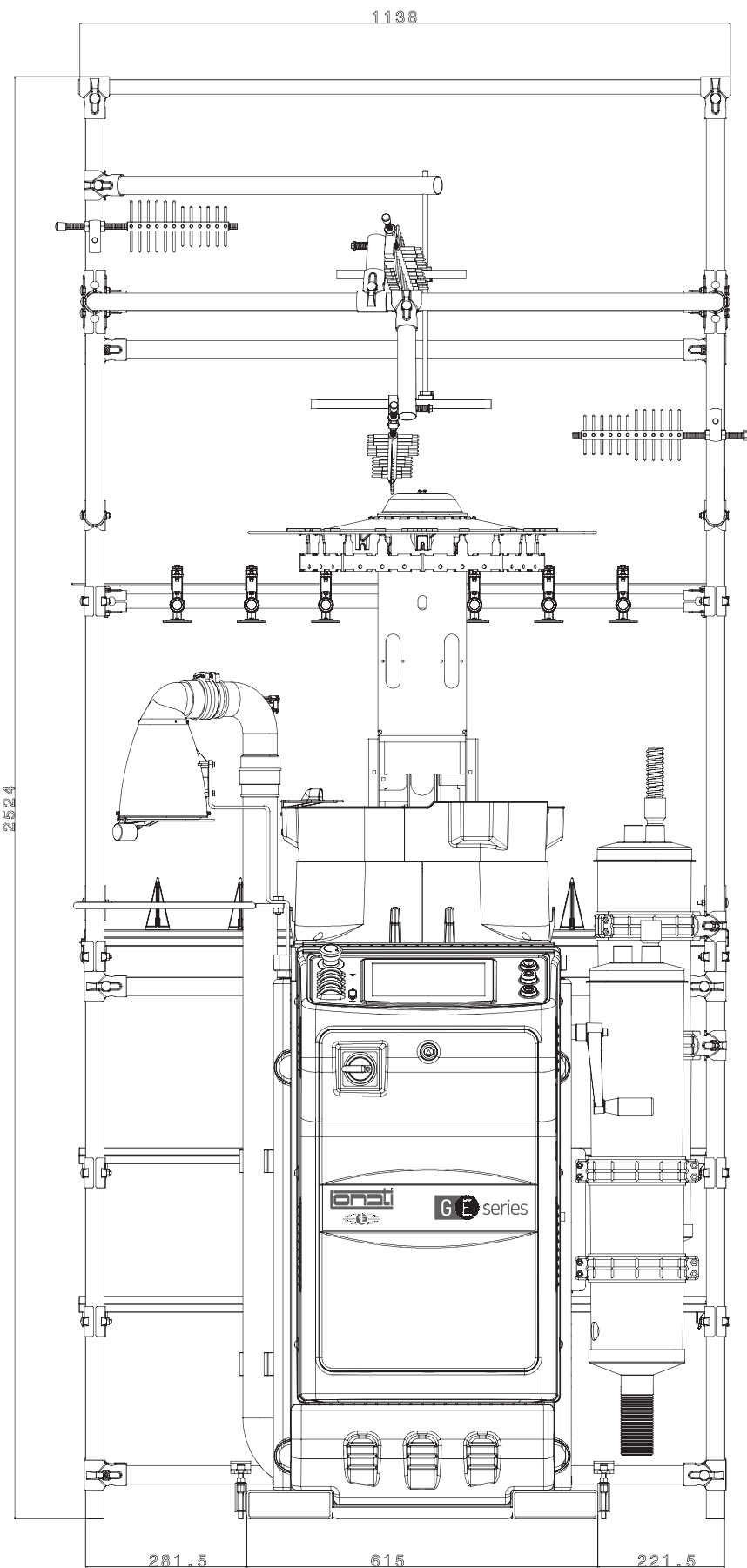
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

### LUBRICANTS

Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Trax 16C - VICKERLUBE SOCK 46

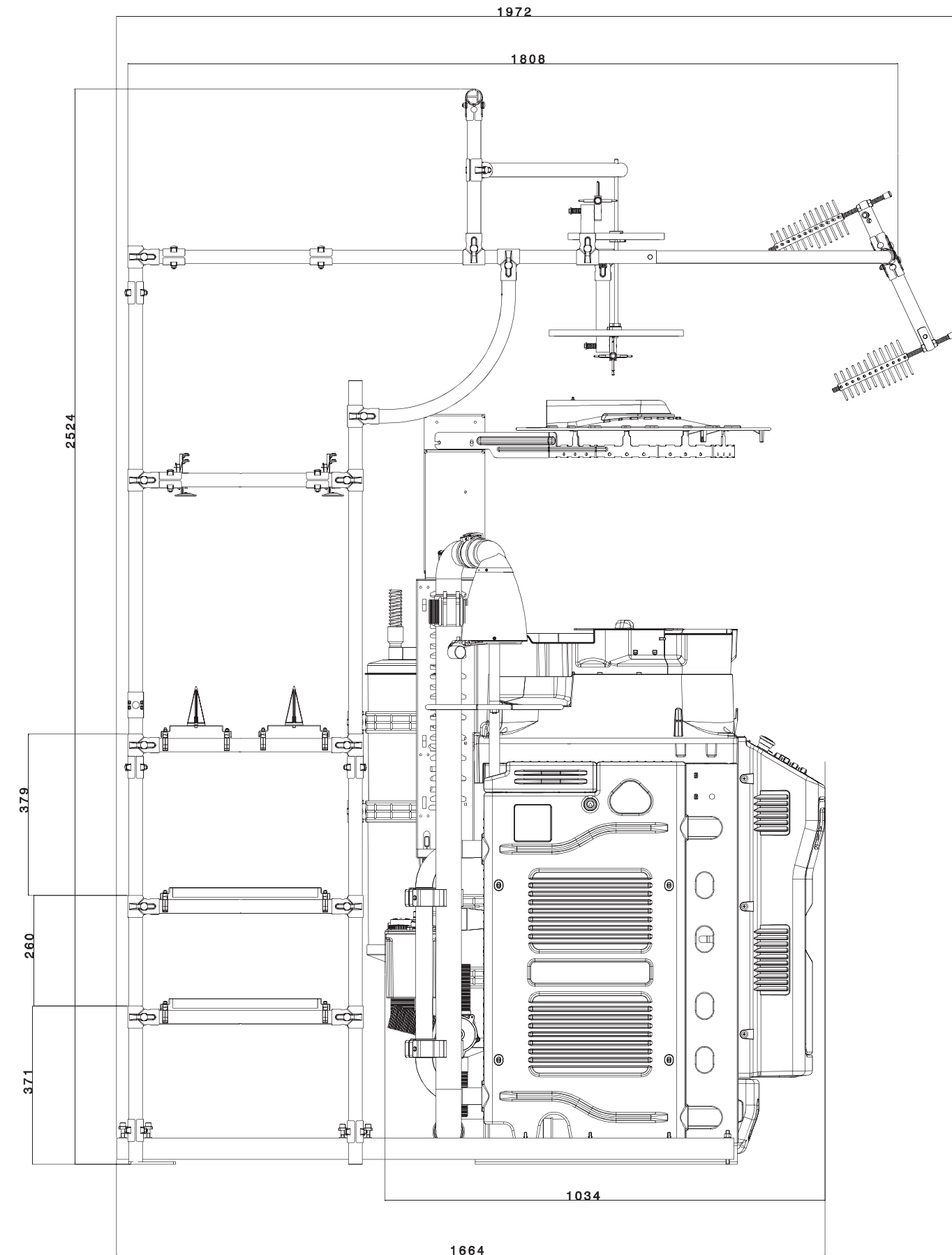
### GREASE

For seals, bearings etc: Lonati recommends: TechnolubeSeals Damping grease Nyogel 774F-1



DESCRIZIONE	CODICE	NR. ROCHE	PESO KG.	NOTE
Porta rocche	G3930706	23	20	Versione standard
Porta rocche	G3930707	23	20	Versione con antistrappo by BTSR





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