

G E series

SINGLE CYLINDER

GE616DF - GE616DF3 - GE516DF - GE516DF3



SINGLE CYLINDER

GE616DF - GE616DF3 - GE516DF - GE516DF3

SBYS DEVICE

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

KNITTING HEAD

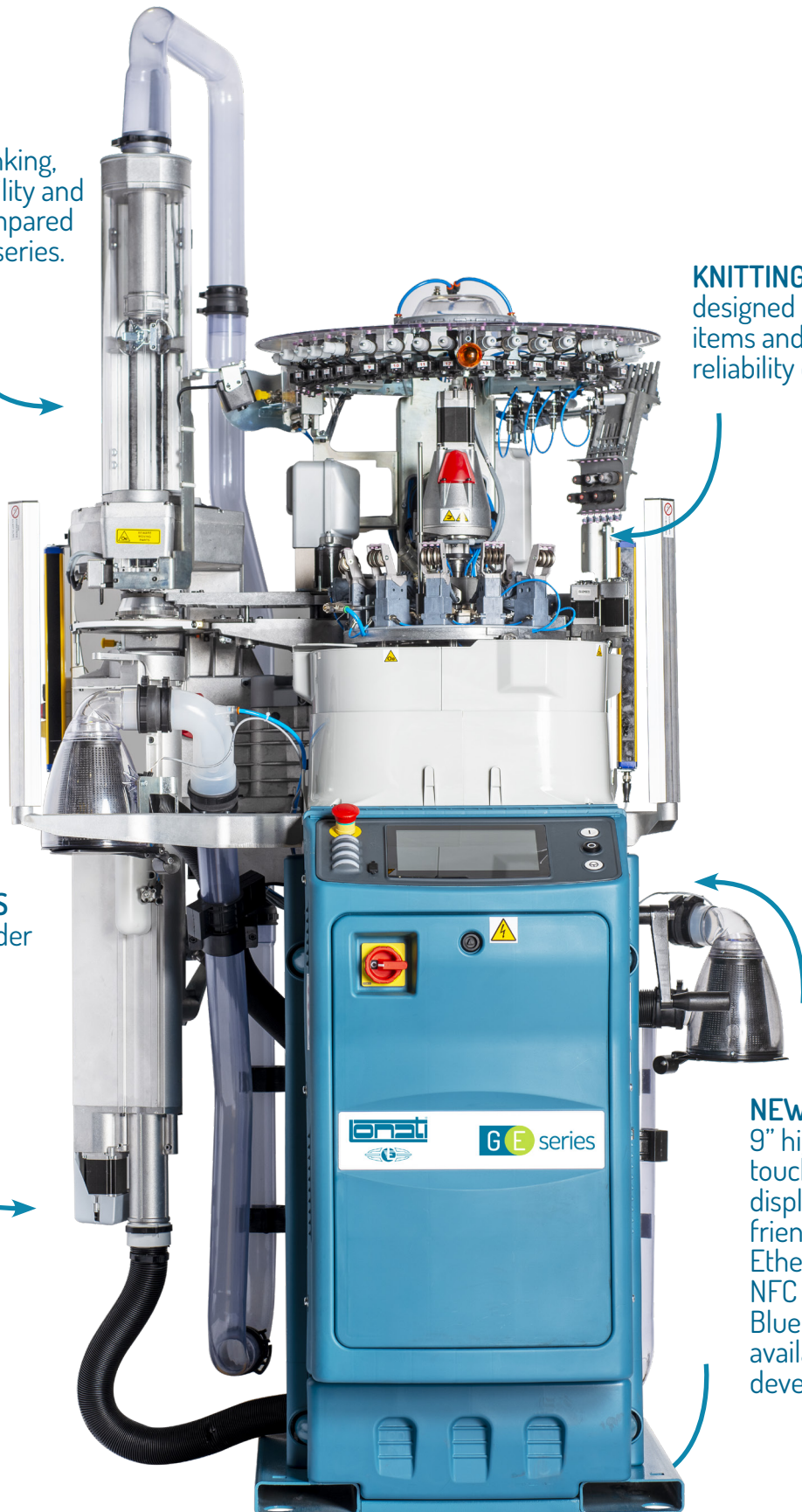
designed to knit high quality
items and ensure constant
reliability over time

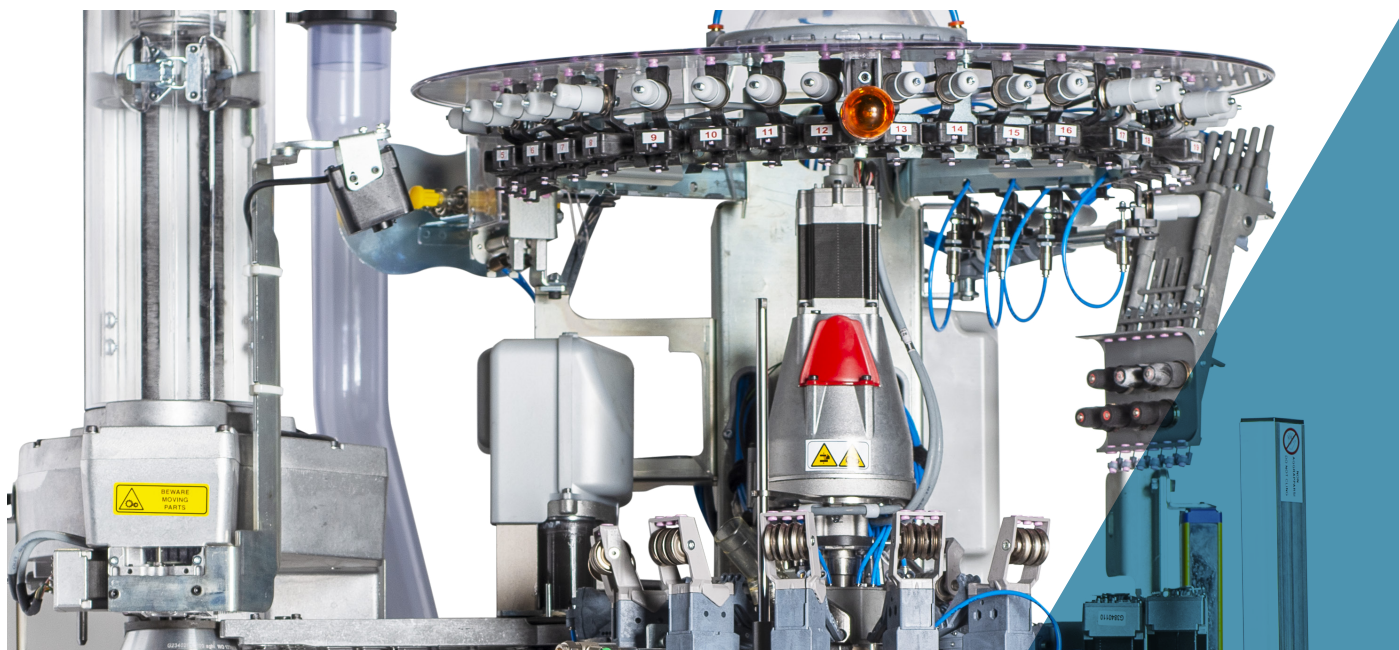
STEPPING MOTORS

with absolute encoder
for angular position
control.

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.

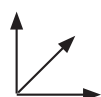
SINGLE CYLINDER

GE616DF - GE616DF3 - GE516DF - GE516DF3

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. They are available in different diameters and numbers 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, plain knit or selected terry. selected terry also on reciprocating areas
- Reciprocated heel and toe in different sizes and 3D effects
- 28 or 29 yarn fingers, according to the model
- Rising dial and finger plate with stepping motor
- GE616DF GE516DF 9 electronic actuators for needle selection plus 1 electronic actuator for sinker selection
- GE616DF3 GE516DF3 10 actuators for needle selection plus 1 electronic actuator for sinker selection
- Brushless coaxial main motor

MACHINE DIMENSIONS



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

MACHINE WEIGHT



ca. 320 Kg

SINGLE CYLINDER

GE616DF - GE616DF3 - GE516DF - GE516DF3

TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GE616DF	3"3/4	from 9 to 17	0.85 - 0.70 - 0.60 mm
GE616DF3	3"3/4"	from 9 to 17	0.85 - 0.70 - 0.60 mm
GE516DF	4"	from 8 1/2 to 16	0.85 - 0.70 - 0.60 mm
GE516DF3	4"	from 8 1/2 to 16	0.85 - 0.70 - 0.60 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 stitch cam, on GE616DF3 and GE516DF3 only
- 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
- 2 yarn fingers on laid-in elastiv feed, on GE616DF3 and GE516DF3 only
- 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
- Circular yarn cutter with adjustable speed, on GE616DF3 and GE516DF3 only
- 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, on GE616DF and GE516DF
- Motorized aising stitch device for sock extraction
- Antitwist device
- Footlet device, on GE616DF and GE516DF only
- Inside-out sock ejection device
- G-Flot device
- G-Flot 2 device
- Elastane extra pliers device
- Yarn recover device, 6 positions
- Yarn trimming circular cutter with adjustable speed
- Linking device and yarnfingers inspection led lamps
- Lower sock-turning device with rotating tube
- Preparation for storage feeder "Unifeeder 2" by BTSR
- Ethernet board for connection to Dinema Nautilus data collector system
- Second elastic yarn finger, on GE616DF only
- 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, mesh, tuck and float stitch, plain knit or plating selected terry
- With laid-in elastic: 6 colors pattern plus ground, tuck and float stitch, plain knit or plating selected terry
- With laid-in elastic: 5 colors pattern plus ground, mesh, tuck and float stitch, plain knit or plating selected terry.
- On GE616DF3 and GE516DF3 only: selected heel with 2 colors double stitch jacquard pattern (tucked and cleared stitch).

SINGLE CYLINDER

GE616DF - GE616DF3 - GE516DF - GE516DF3



NUMBER OF COLORS

Number of colors	6 colors on course plus ground
------------------	--------------------------------

PERFORMANCES

	3"3/4, 4" CYLINDERS
KNITTING FEATURES	Patterns or selection 250 rpm
	Plain knit with high speed sinkers cap 250 rpm
MAXIMUM SPEED	250 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	17		
GE516DF	4"					108 112		116 120		128 132	136	144		156 160		168	176	180	188	192	200				
		Needle thickness 0.85 mm																							
		Needle thickness 0.70 mm											Needle thickness 0.70 mm												
																		Needle thickness 0.60 mm							
GE516DF3	4"					108 112		116 120		128 132	136	144		156 160		168	176	180	188	192	200				
		Needle thickness 0.85 mm																							
		Needle thickness 0.70 mm											Needle thickness 0.70 mm												
																		Needle thickness 0.60 mm							
GE616DF	3"3/4						108	112	116	120 128	132	136	144		156	160	168		176	180	188	192	200		
		Needle thickness 0.85 mm																							
		Needle thickness 0.70 mm											Needle thickness 0.70 mm												
																		Needle thickness 0.60 mm							
GE616DF3	3"3/4						108	112	116	120 128	132	136	144		156	160	168		176	180	188	192	200		
		Needle thickness 0.85 mm																							
		Needle thickness 0.70 mm											Needle thickness 0.70 mm												
																		Needle thickness 0.60 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®

SINGLE CYLINDER

GE616DF - GE616DF3 - GE516DF - GE516DF3

NOISE LEVEL (Maximum noise output for GE series models)

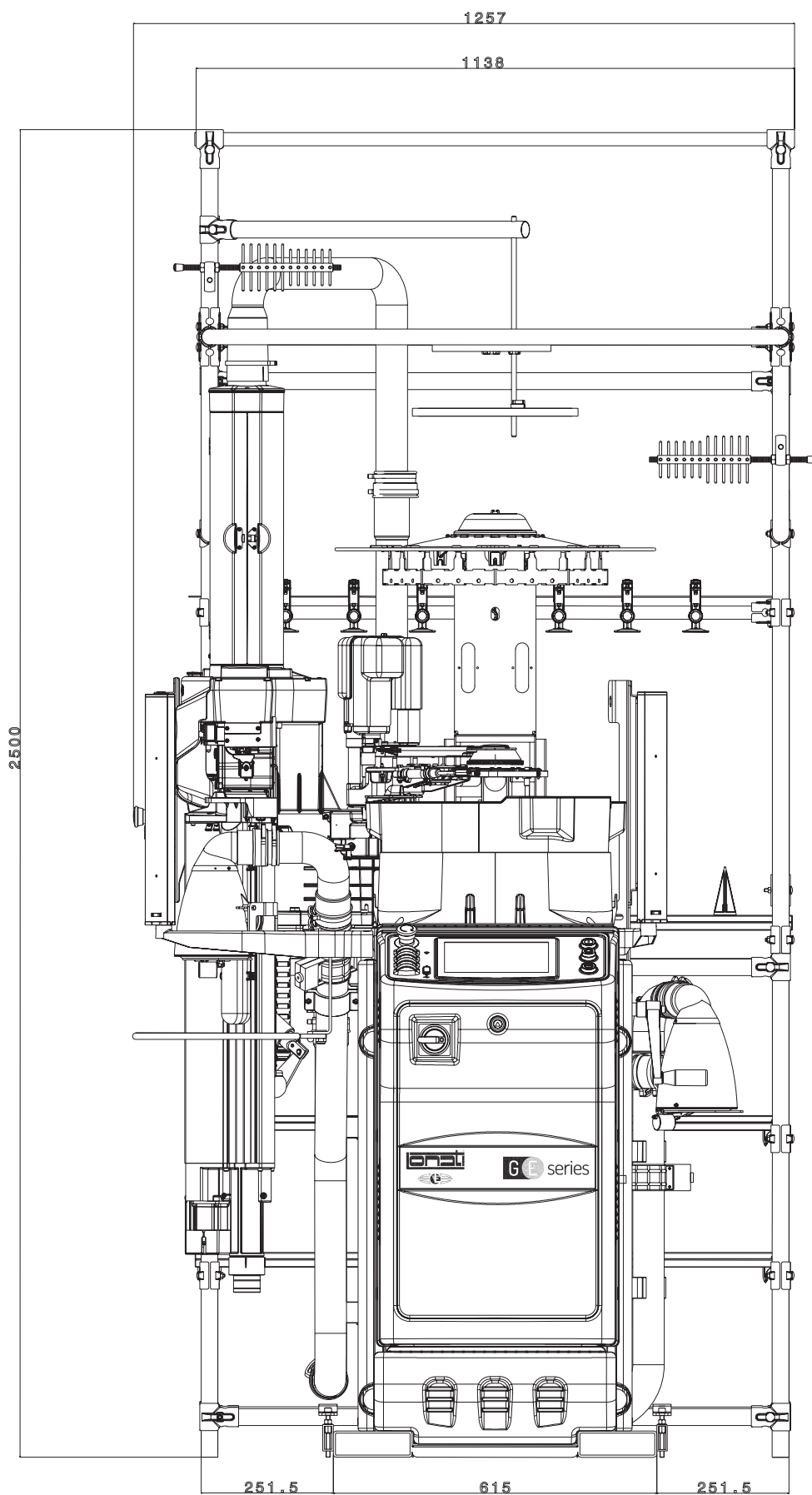
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

LUBRICANTS

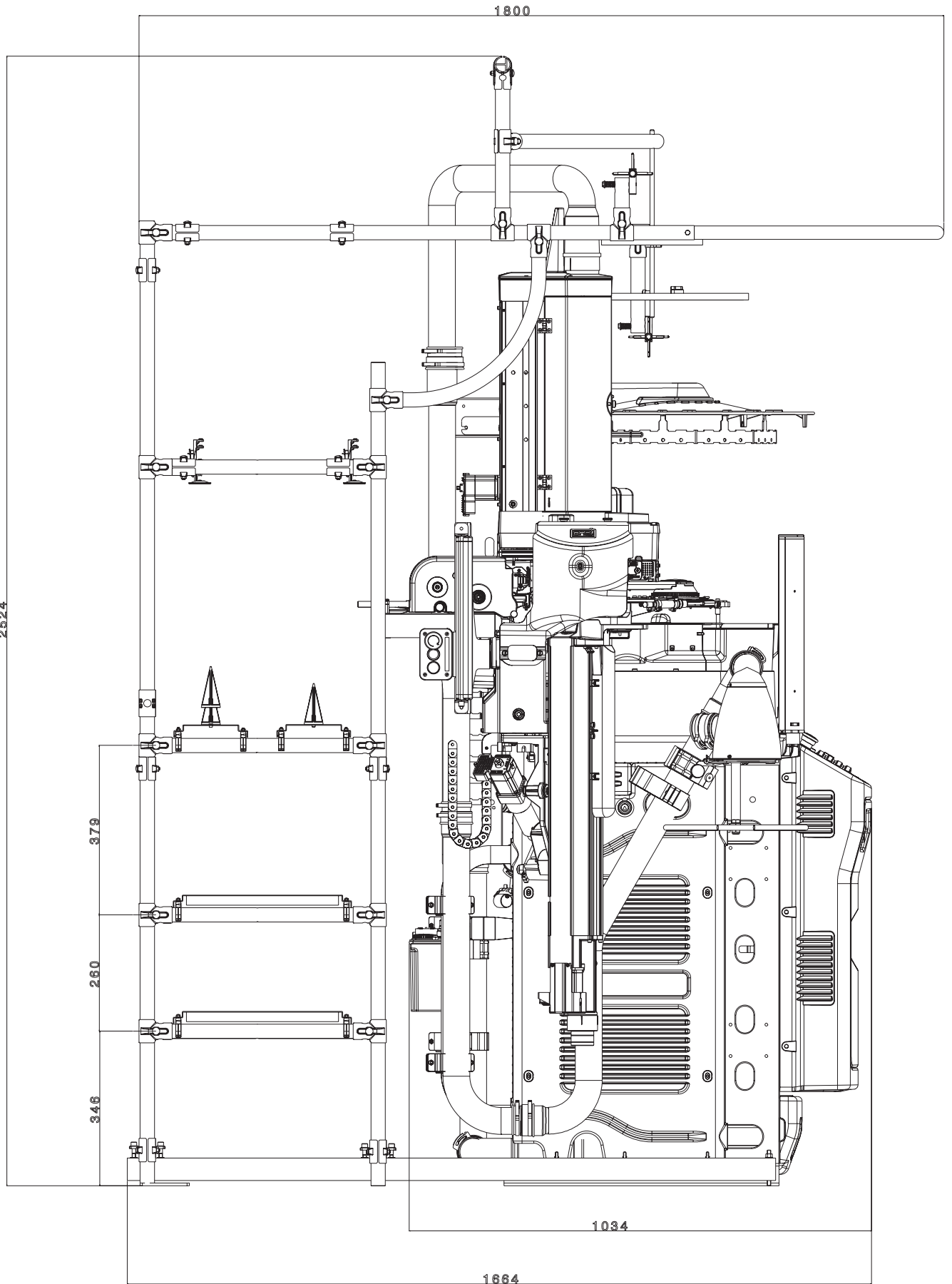
Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Trax 16C - VICKERLUBE SOCK 46

GREASE

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



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



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





LONATI SPA

Via Francesco Lonati, 3 | 25124 Brescia (Italy)
Tel. +39 03023901 | Fax +39 030 2310024
C.F.: 01469680175 | P.iva: 02096730961
info@lonati.com - www.lonati.com