

GOAL
SINGLE CYLINDER
GK715F - GK716F - GK615F
GK616F - GK515F - GK516F



SINGLE CYLINDER

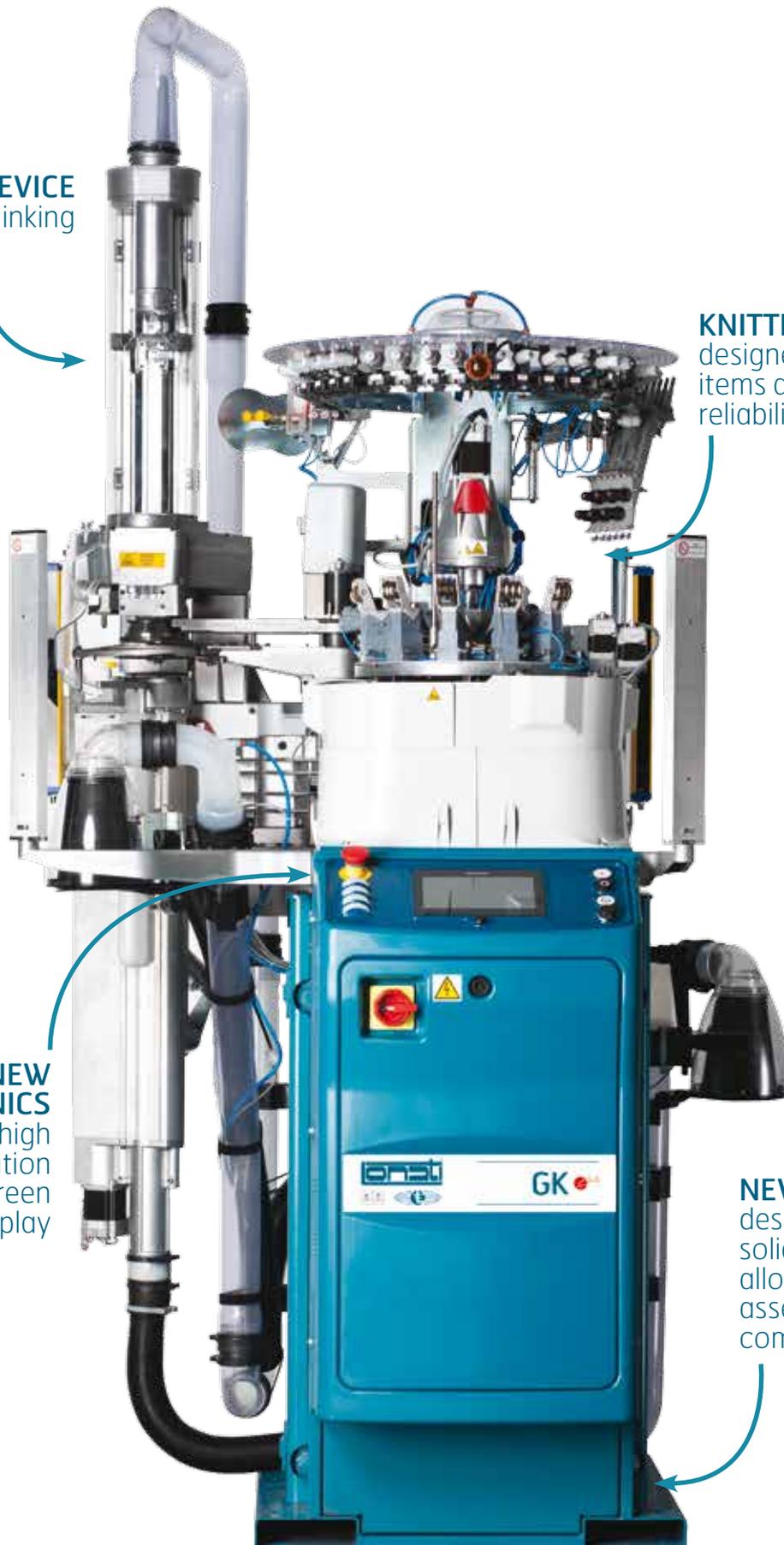
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SBYS DEVICE
for automatic linking

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

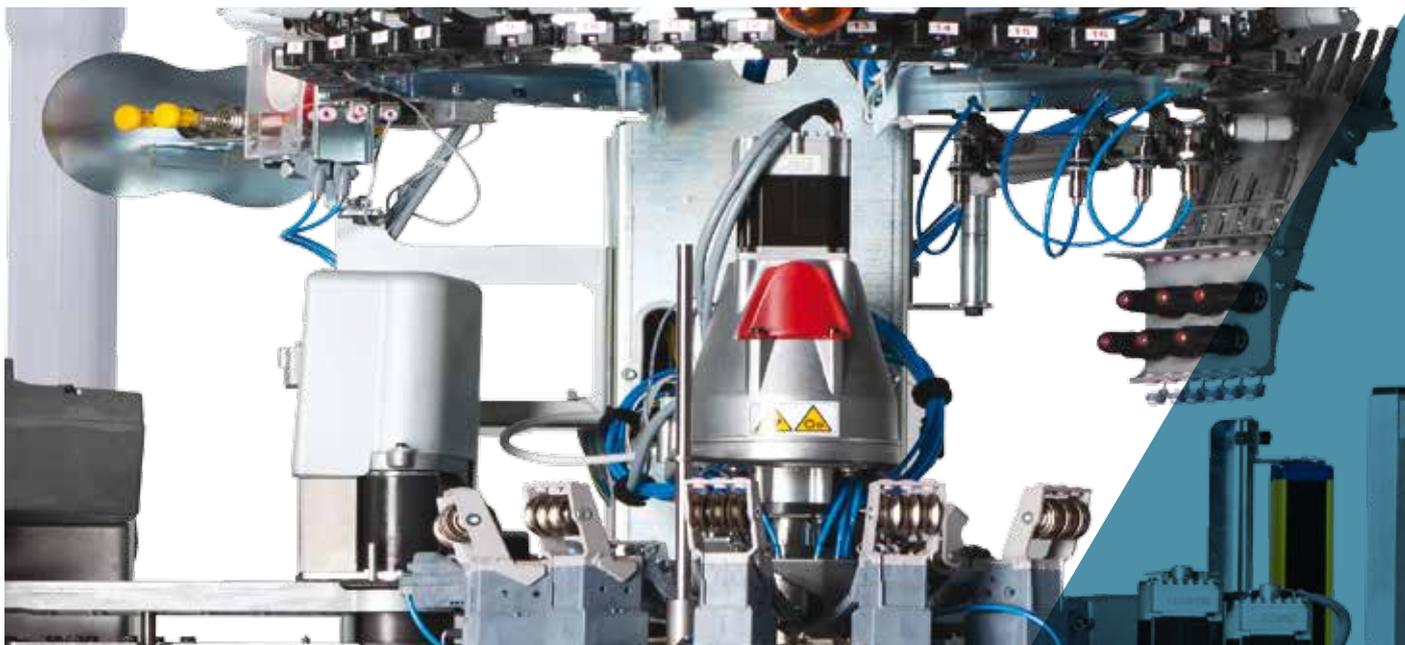
**NEW
ELECTRONICS**
with high
resolution
touch screen
display

NEW BASE
designed to increase
solidity and rigidity,
allows a more ergonomic
assembling of
components



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All images in this brochure are indicative and not binding.

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1 feed machines are the best sellers of the Goal Line 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 two versions, with five or six colors on course and in different diameters and numbers of needles. Automatic linking with 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. Latest generation 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.

- 5 or 6 colors pattern on course according to the model, plain knit or terry
- Reciprocated heel and toe in different sizes and 3D effects
- 25 or 28 yarn fingers, according to the model
- Rising dial and finger plate with stepping motor
- Electronic actuators for needle selection, 8 or 9 according to the model
- 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

CERTIFICATION



Green
Label

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TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GK715F	3"1/2	7 1/2 to 14	0.85 - 0.70 - 0.60 mm
GK716F	3"1/2	7 1/2 to 14	0.85 - 0.70 - 0.60 mm
GK615F	3"3/4	from 9 to 17	0.85 - 0.70 - 0.60 mm
GK616F	3"3/4	from 9 to 17	0.85 - 0.70 - 0.60 mm
GK515F	4"	from 8 1/2 to 16	0.85 - 0.70 - 0.60 mm
GK516F	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 sinker cap for sinker pressure and angular position
- High resolution touch screen display
- Yarn sliding sensors guard cleaning device
- Heel yarn recover device with four positions
- 2 stepper motor controlled adjustable suction valves
- 9 yarnfingers on stitch feed
- Yarn creel
- USB port
- 15 or 18 color yarnfingers, according to model
- Circular yarn cutter with mechanical stop
- 1 yarnfinger on laid-in elastic feed

MAIN OPTIONAL DEVICES

- LGL Eco Power or Eco Compact yarn storage feeder
- Dinema YoYo positive yarn feeders
- Elastic yarn positive feeders, for compression socks
- Dinema Plus elastane positive feeders
- Motorized stitch cams
- Antitwist device
- Footlet device
- 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 inspection lamp
- Preparation for storage feeder "Unifeeder 2" by BTR
- 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

- 5 or 6 colors pattern, according to model, plus ground color, mesh, tuck and float stitch, plain knit or terry
- With laid-in elastic: 5 or 6 colors pattern, according to model, plus ground, tuck and float stitch, plain stitch or terry
- With laid-in elastic: 4 or 5 colors pattern, according to model, plus ground, mesh, tuck and float stitch, plain knit or terry

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NUMBER OF COLORS

Number of colors	GK715F - GK615F - GK515F 5 colors on course plus ground GK716F - GK616F - GK516F 6 colors on course plus ground
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PERFORMANCES

	3"1/2, 3"3/4, 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	17
GK515F	4"					108		116		128	136	144		156		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									
GK615F	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									
GK715F	3"1/2			84	88	96	100		108	112	116	120	128	132		144		156					
		Needle thickness 0.85 mm																					
		Needle thickness 0.70 mm																					

		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	
GK516F	4"					108		116		128	136	144		156		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										
GK616F	3"3/4				96		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										
GK716F	3"1/2			84	88	96	100		108	112	116	120	128	132		144		156						
		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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ELECTRIC POWER CONSUMPTION

With program for medium length socks.

MACHINE MODEL	CONSUMPTION kWh
GK715F - GK716F - GK615F - GK616F - GK515F - GK516F	0.45 - 0.50

COMPRESSED AIR CONSUMPTION

Gauge pressure 6,5 bar humidity 0% and dryer outlet temperature 18°C-21°C.

MACHINE MODEL	CYCLE TIME	CONSUMPTION FOR STANDARD SOCK	CONSUMPTION FOR PANTYHOSE*	CONSUMPTION PER MINUTE FOR STANDARD SOCK	CONSUMPTION PER MINUTE FOR PANTYHOSE*
GK715F - GK716F - GK615F GK616F - GK515F - GK516F	3'00"	NI 25 - ft ³ 0.882	NI 35 - ft ³ 1.236	NI 8 - Cfm 0.282	NI 12 - Cfm 0.423

*Sock ejection blow open

SUCTION CONSUMPTION

Cylinder suction value = 850 mm/H2O - Holding yarns nozzle suction value = 850mm/H2O - Average consumption = 3 m³/min.

NOISE LEVEL (Maximum noise output for GK series models)

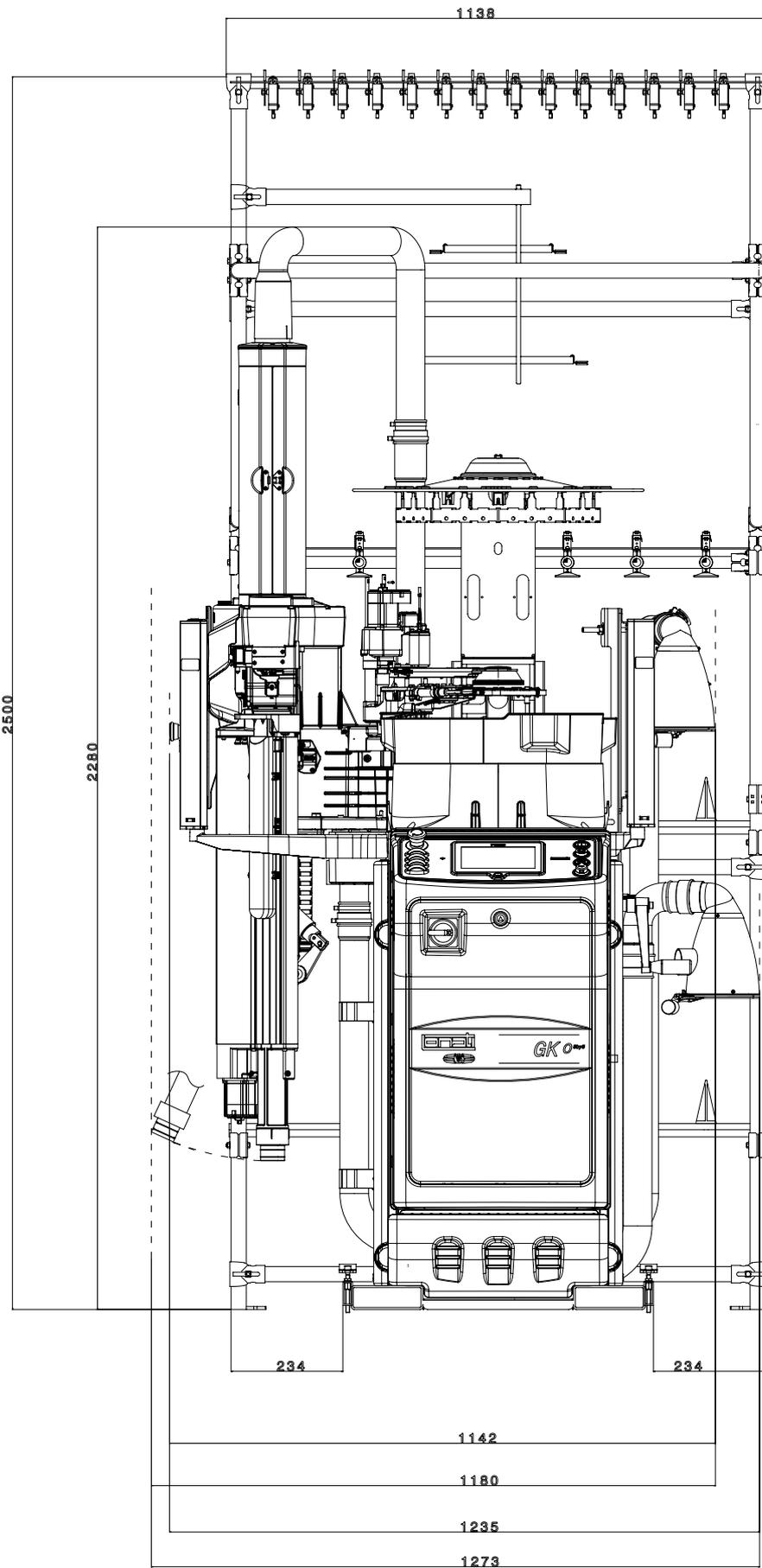
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

LUBRICANTS

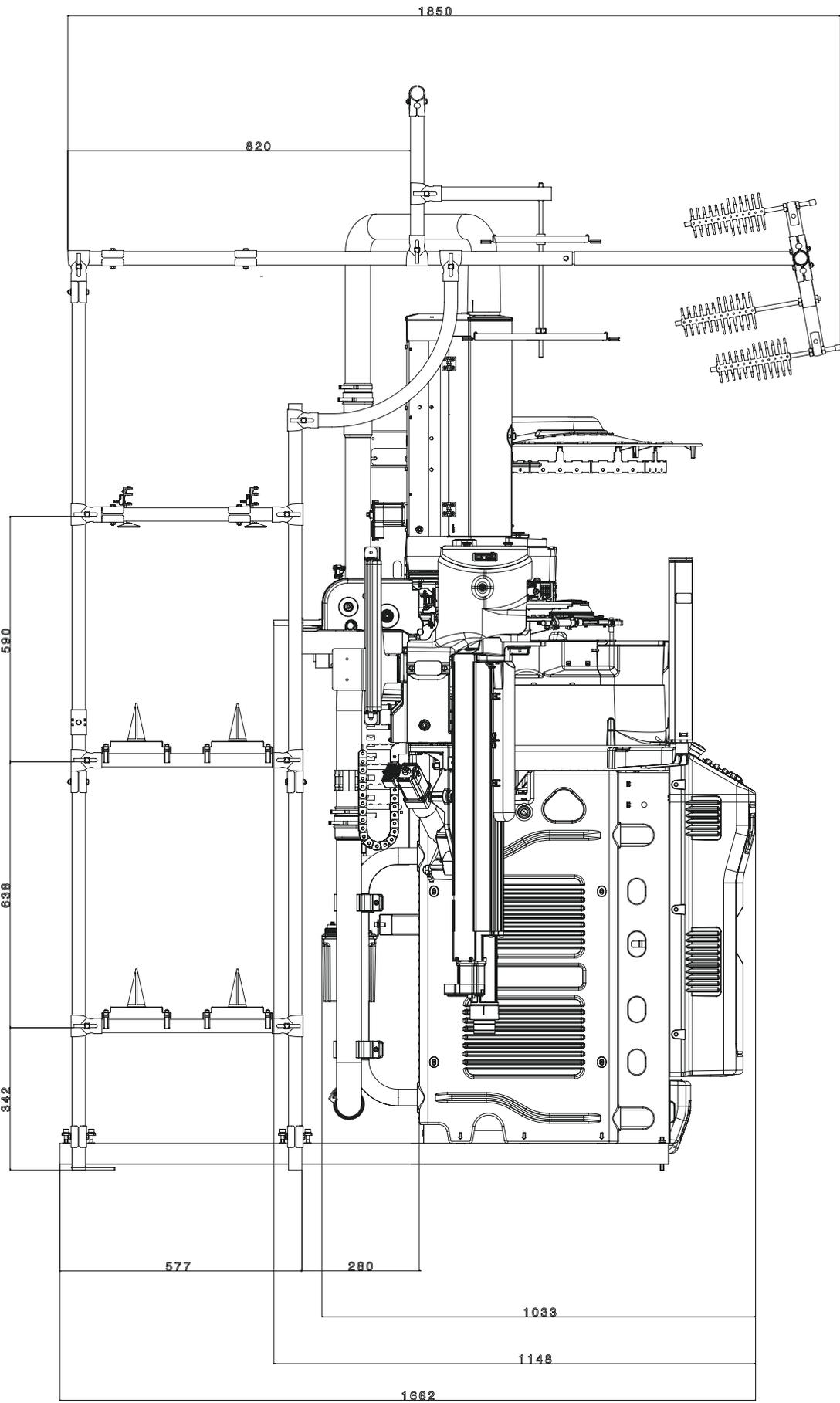
Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Trax 16C

GREASE

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



DESCRIPTION	CODE	NR. OF REELS	WEIGHT KG.	NOTES
Yarn creel	G3930061	28	51	Standard version
Yarn creel	G3930062	28	51	Version with BTR sensors



DESCRIPTION	CODE	NR. OF REELS	WEIGHT KG.	NOTES
Yarn creel	G3930061	28	51	Standard version
Yarn creel	G3930062	28	51	Version with BTSR sensors

NOTE

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LONATI SPA

Via Francesco Lonati, 3 | 25124 Brescia (Italy)
Tel. +39 030 23901 | Fax +39 030 2310024
C.F.: 01469680175 | P.iva: 02096730961
info@lonati.com - www.lonati.com