

**GOAL**  
**SINGLE CYLINDER**  
**GK725F - GK625F - GK525F**



# SINGLE CYLINDER

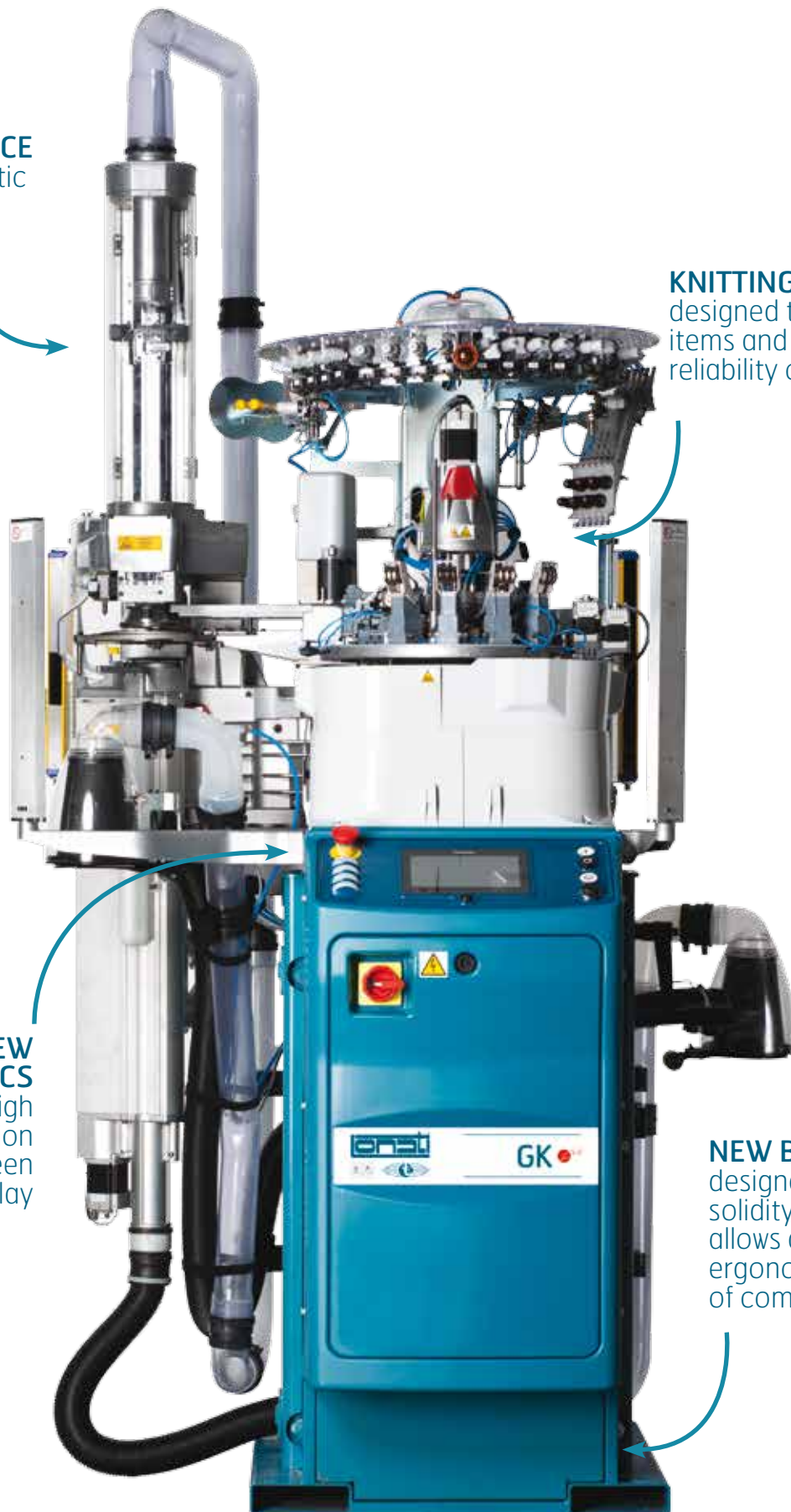
GK725F - GK625F - GK525F

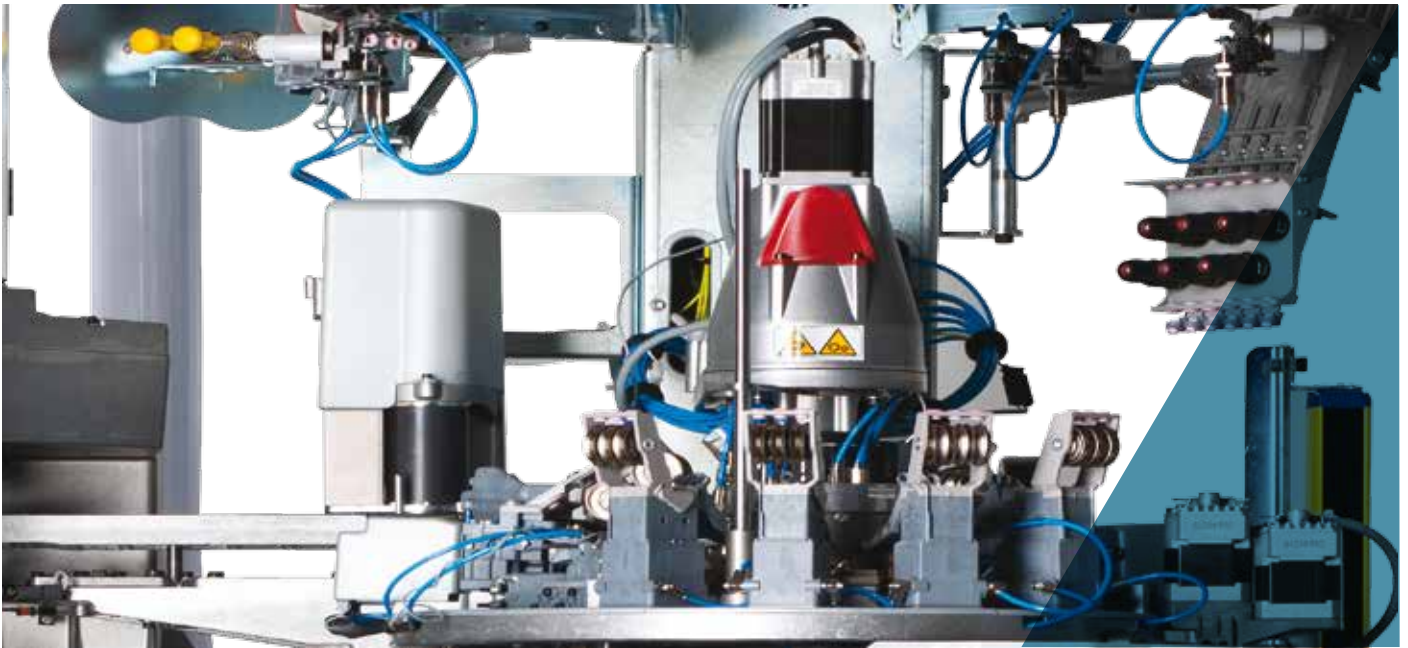
**SBYS DEVICE**  
for automatic  
linking

**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





All images in this brochure are indicative and not binding.

## SINGLE CYLINDER GK725F - GK625F - GK525F

Goal Series 2 feeds machines are designed to increase productivity still ensuring best quality. They are available in different diameters with different 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 colors pattern on single feed course, plain knit or terry
- Reciprocated heel and toe in different sizes and 3D effects
- 28 yarn fingers
- Rising dial and finger plate with stepping motor
- 9 electronic actuators for needle 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

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### TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GK725F	3"1/2	7 1/2 to 14	0.85 - 0.70 - 0.60 mm
GK625F	3"3/4	from 9 to 17	0.85 - 0.70 - 0.60 mm
GK525F	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 feeds: 1 and 2 with three 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
- 14 color yarn fingers
- 9 yarn fingers on first feed, 6 on second feed
- Yarn creel
- USB port
- Circular yarn cutter with mechanical stop
- 1 yarn finger 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
- Motorized sinkers cap for sinkers pressure
- Antitwist device
- Footlet device
- Inside-out sock ejection device
- G-Flot device
- G-Flot 2 device
- Elastane extra pliers device
- Recover yarn 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 on second feed
- Yarn sliding control sensors, Dinema ISPY
- Pneumatic yarn tensioner for covered elastane
- Suction fan

### POSSIBLE KNITTING

The standard machine can perform the following knittings

- Mesh, tuck and float stitch, jacquard, 2 feeds, plain knit or terry
- 5 colors pattern plus ground color, tuck and float stitch, 1 feed, plain knit or terry
- With laid-in elastic: 4 colors pattern plus ground color, mesh, tuck and float stitch, 1 feed, plain knit or terry
- Laid-in elastic on 2 feeds, that is 1 elastic course every 2 knitted courses, plain knit or terry
- With the second elastic yarn finger 4 colors pattern on course plus ground, tuck and float stitch, one feed, plain knit or terry
- With the second elastic yarn finger 3 colors pattern on course plus ground, mesh, tuck and float stitch, 1 feed, plain knit and terry



# SINGLE CYLINDER

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### ELECTRIC POWER CONSUMPTION

With program for medium length socks.

MACHINE MODEL	CONSUMPTION kWh
GK725F - GK625F - GK525F	0.50 - 0.55

### 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*
GK725F - GK625F - GK525F	3'00"	NI 25 - ft <sup>3</sup> 0.882	NI 35 - ft <sup>3</sup> 1.236	NI 8 - Cfm 0.282	NI 12 - Cfm 0.423

\*Sock ejection blow open

### SUCTION CONSUMPTION

Cylinder suction value = 850 mm/H<sub>2</sub>O - Holding yarns nozzle suction value = 850mm/H<sub>2</sub>O - Average consumption = 3 m<sup>3</sup>/min.

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

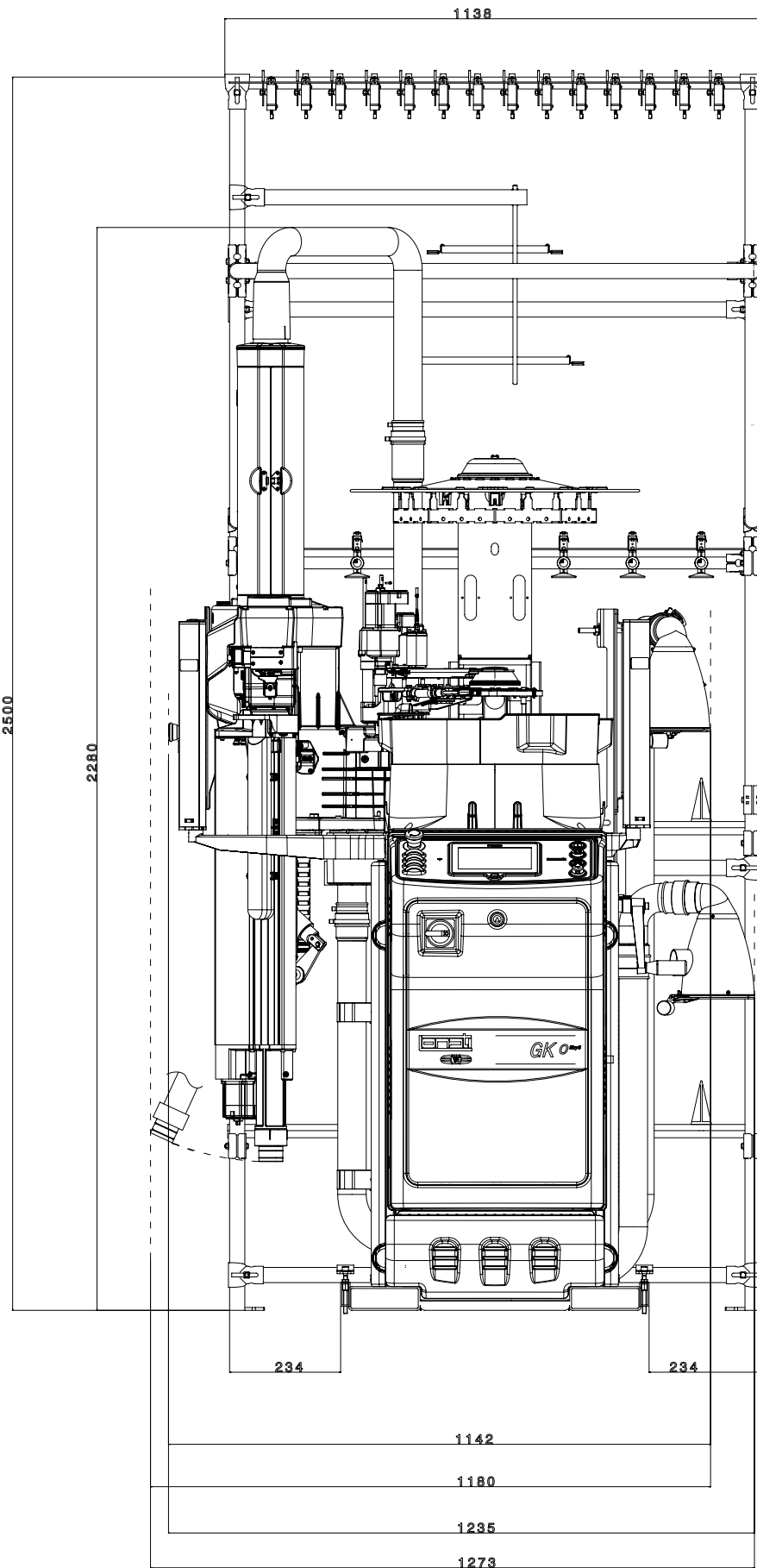
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

### LUBRICANTS

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

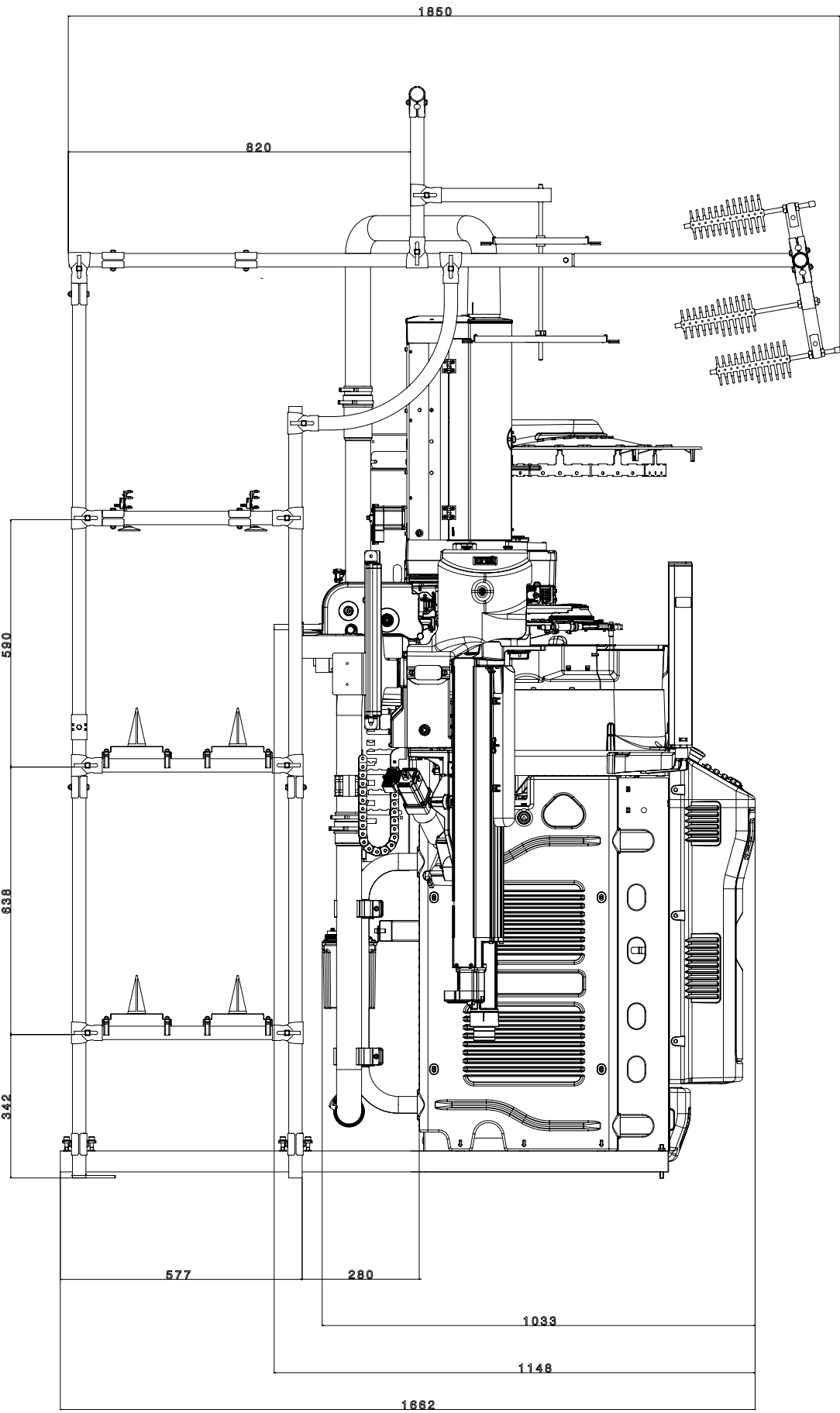
### GREASE

Foe 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 BTSR sensors





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# NOTE

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