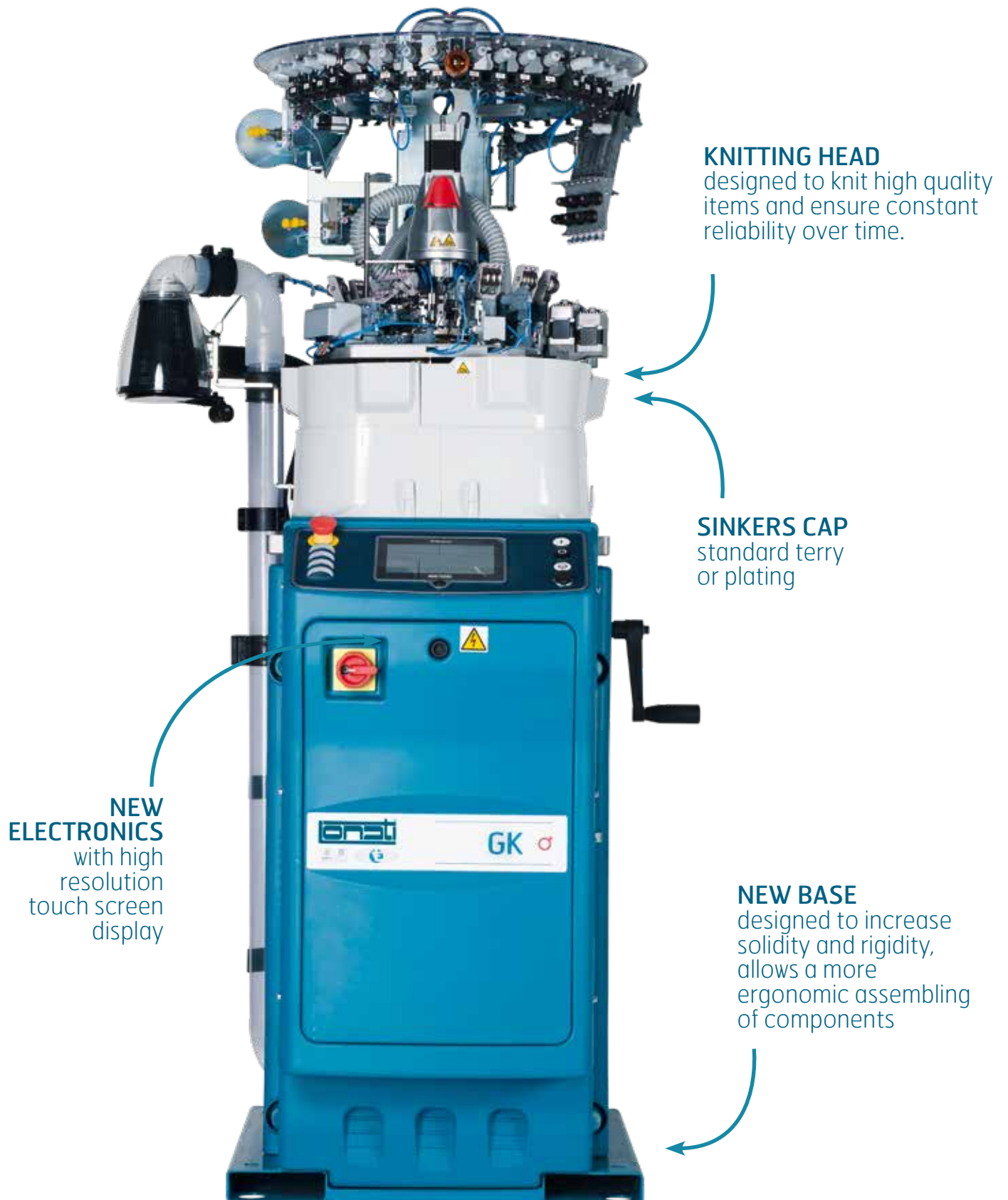


GOAL SINGLE CYLINDER GK523S



SINGLE CYLINDER

GK523S



KNITTING HEAD

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

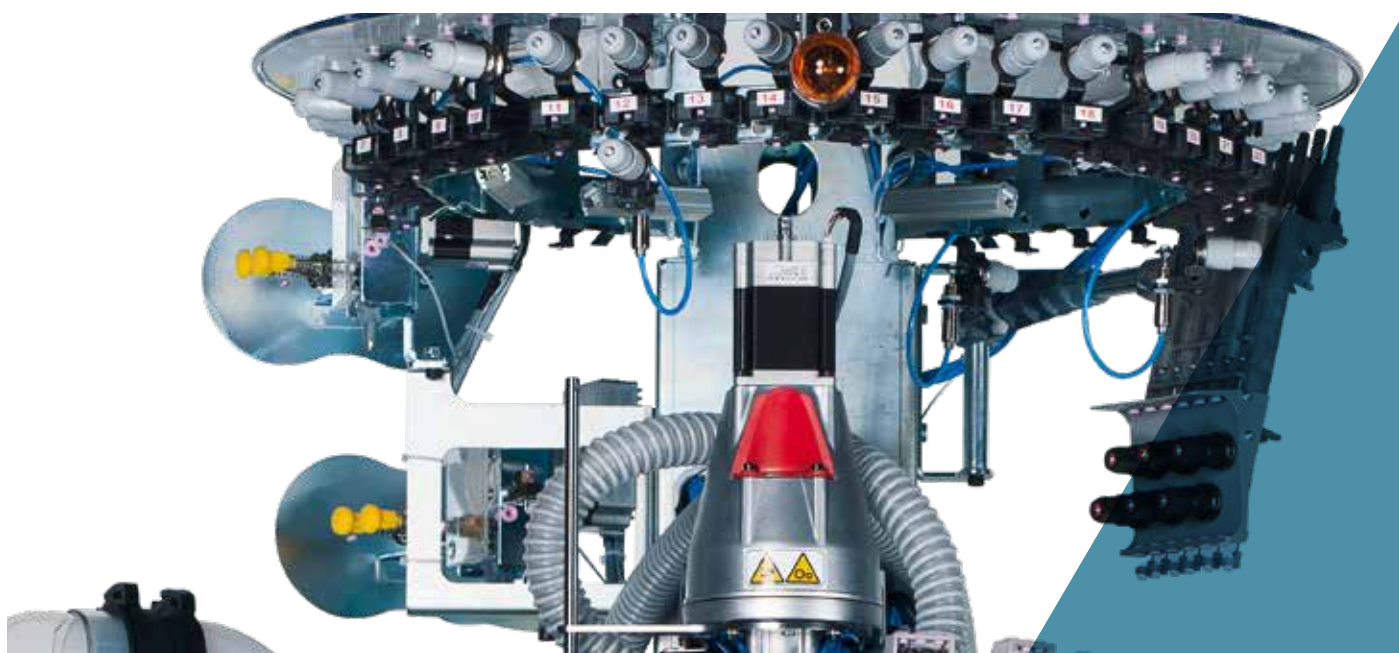
SINKERS CAP

standard terry or plating

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 GK523S

A new machine for 2 feeds items with 3 colors pattern. 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.

- 3 colors pattern with 2 feeds, plain knit or terry
- Reciprocated heel and toe in different sizes and 3D effects
- 36 yarn fingers
- Rising dial and finger plate with stepping motor
- 10 electronic actuators for needle selection
- Brushless coaxial main motor

MACHINE DIMENSIONS



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

MACHINE WEIGHT



ca. 230 Kg

SINGLE CYLINDER

GK523S

TECHNICAL DATA

| MODEL | CYLINDER DIAMETER | GAUGE | NEEDLE THICKNESS |
|--------|-------------------|------------------|-----------------------|
| GK523S | 4" | from 6 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
- Motorized stitch cams
- 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 yarn finger for laid-in elastic
- 9 yarn fingers on both stitch feed
- Yarn creel
- USB port
- 16 color yarn fingers
- Circular yarn cutter with mechanical stop
- Stepper motor controlled adjustable suction valve

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
- Antitwist device
- Footlet device
- G-Flot device
- G-Flot 2 device
- Elastane extra pliers device, feed 1 and 2
- Recover yarn device, 6 positions
- Yarn trimming circular cutter with adjustable speed
- Preparation for storage feeder "Unifeeder 2" by BTSR
- Ethernet board for connection to Dinema Nautilus data collector system
- 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
- 3 colors pattern plus ground color, mesh, tuck and float stitch, jacquard, 2 feeds, plain knit or terry
- 2 colors pattern plus ground color, mesh, tuck and float stitch, jacquard, 2 feeds, plain knit or terry
- With laid-in elastic: 2 colors pattern plus ground color, tuck and float stitch, 2 feed, plain knit or terry
- With laid-in elastic: 1 color pattern plus ground color, mesh, tuck and float stitch, 2 feeds, plain knit or terry

SINGLE CYLINDER GK523S

NUMBER OF COLORS

Number of colors

3 colors on course plus ground color, two feeds

PERFORMANCES

| | 4" CYLINDERS |
|-------------------|---|
| KNITTING FEATURES | Patterns or selections or terry 300 rpm |
| | Plain knit without pattern, high speed sinker cap 300 rpm |
| MAXIMUM SPEED | 300 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 |
| GK523S | 4" | 84 | 88 | 96 | | 108 112 | | 116 120 | | 128 132 | 136 | 144 | | 156 160 | | 168 | 176 | 180 | 188 | 192 | 200 |
| | | Spessore ago 0.85 mm | | | | | | | | | | | | | | | | | | | |
| | | Spessore ago 0.70 mm | | | | | | | | | | | Spessore ago 0.70 mm | | | | | Spessore ago 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.

SINGLE CYLINDER GK523S

ELECTRIC POWER CONSUMPTION

With program for medium length socks.

| MACHINE MODEL | CONSUMPTION kWh |
|---------------|-----------------|
| GK523S | 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 SOCK | CONSUMPTION PER MINUTE |
|---------------|------------|-------------------------------|------------------------|
| GK523S | 2'45" | NI 11 - ft ³ 0.388 | NI 4 - Cfm 0.141 |

SUCTION CONSUMPTION

Cylinder suction value = 850 mm/H2O - Holding yarns nozzle suction value = 850mm/H2O - Average consumption = 2.5 m³/min.

NOISE LEVEL (Maximum noise output for GK series models)

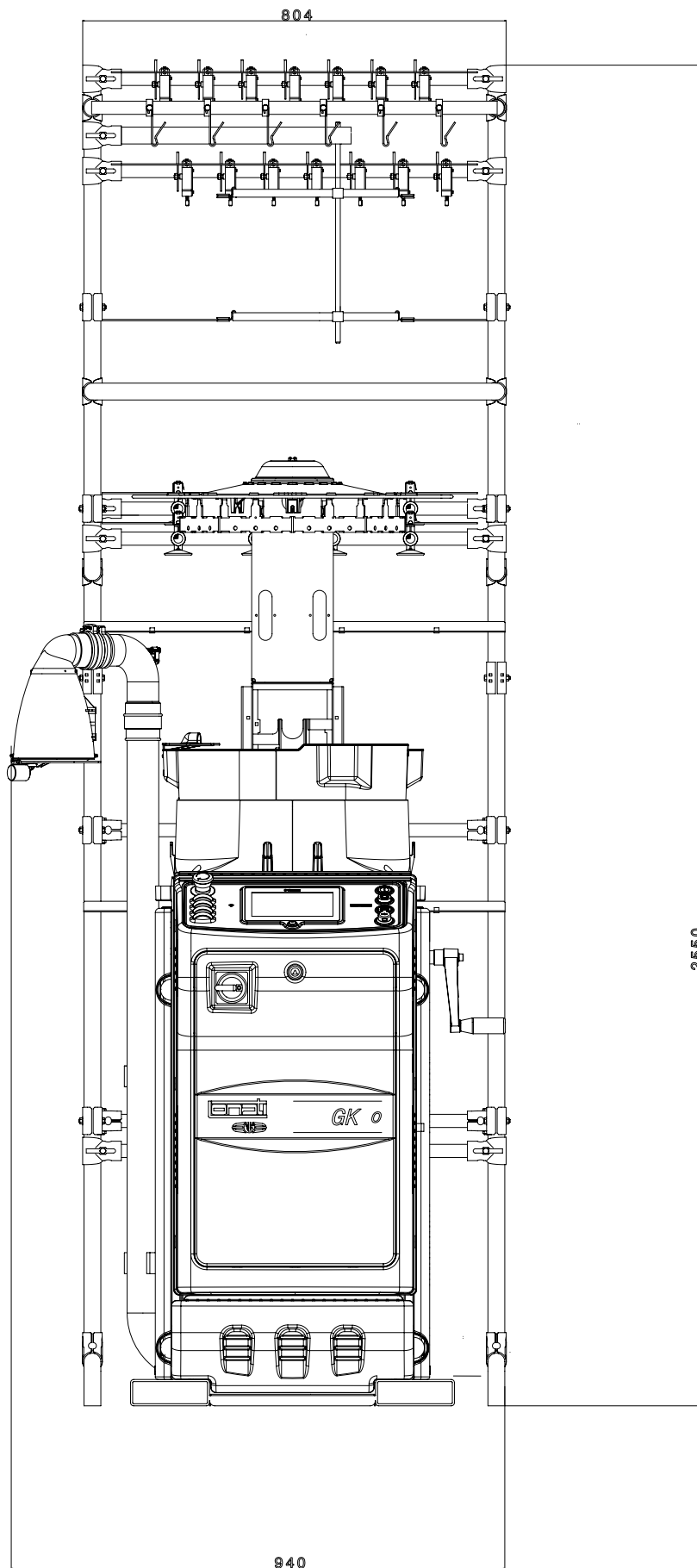
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

LUBRICANTS

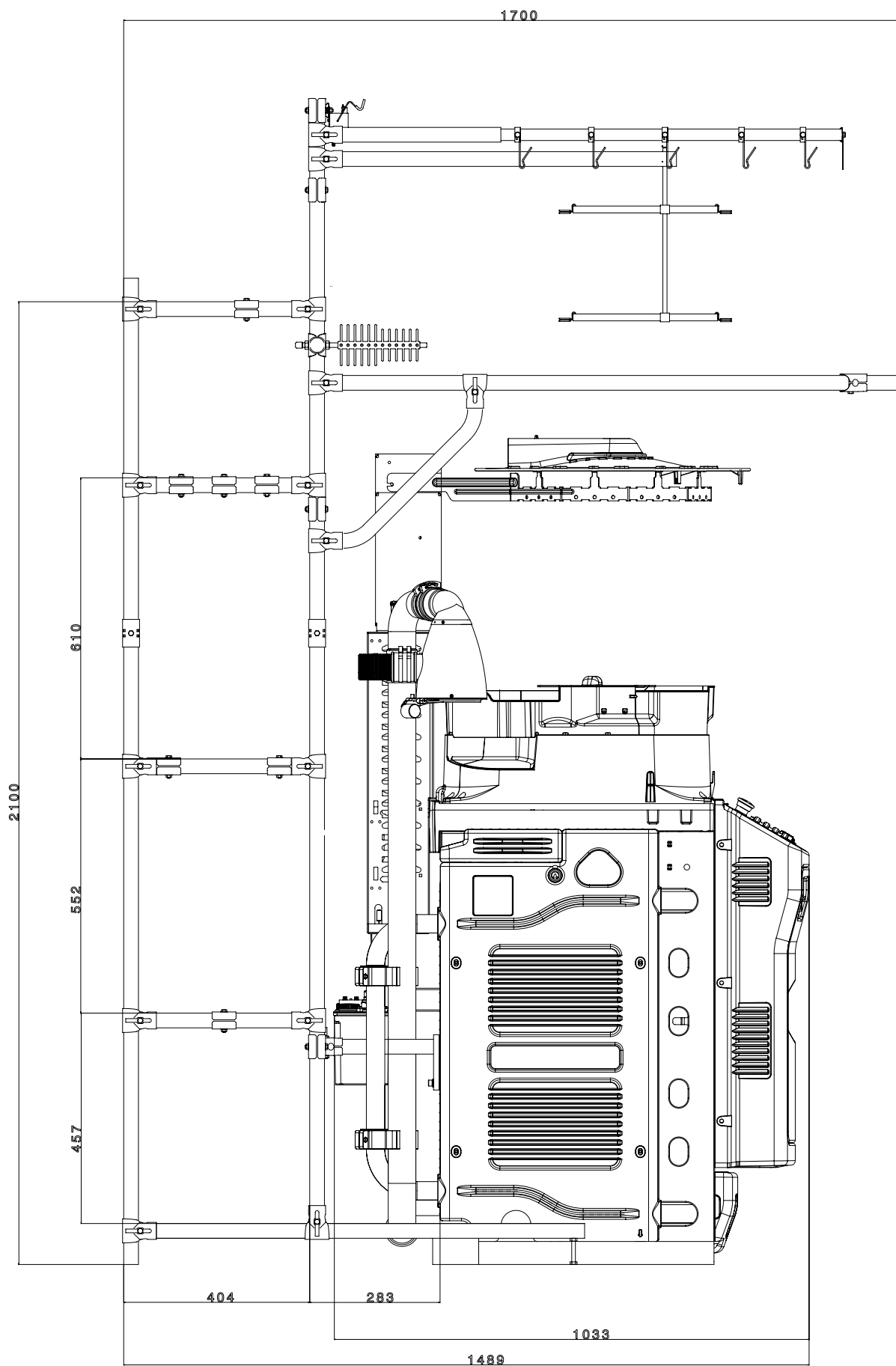
Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Trax 16C

GREASE

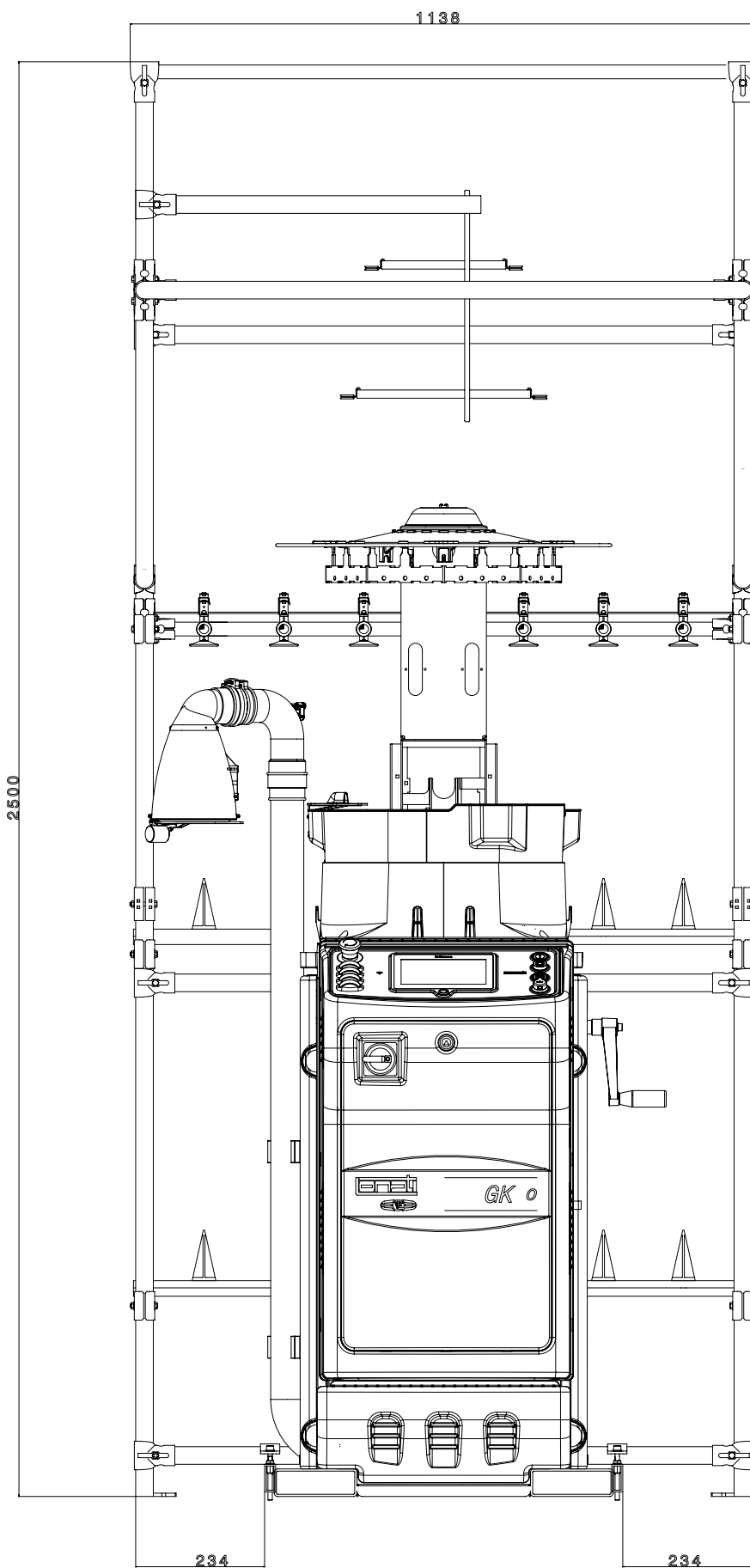
Foe seals, bearings etc: Lonati recommends:TechnolubeSeals Damping grease Nyogel 774F-1



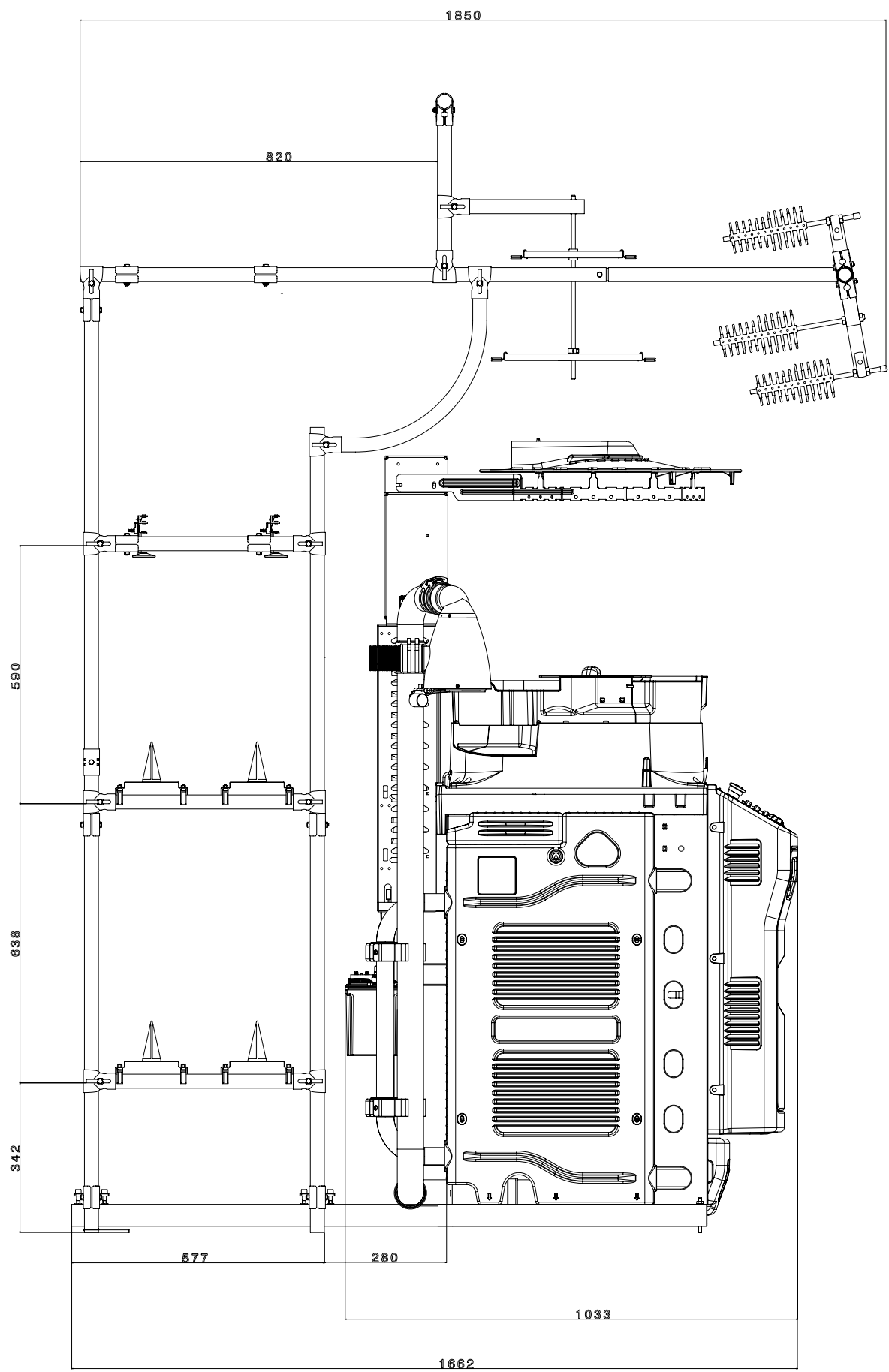
| DESCRIPTION | CODE | NR. OF REELS | WEIGHT KG. | NOTES |
|-------------|----------|--------------|------------|---------------------------|
| Yarn creel | G1930040 | 28 | 20 | Standard version |
| Yarn creel | G1930041 | 28 | 20 | Version with BTSR sensors |



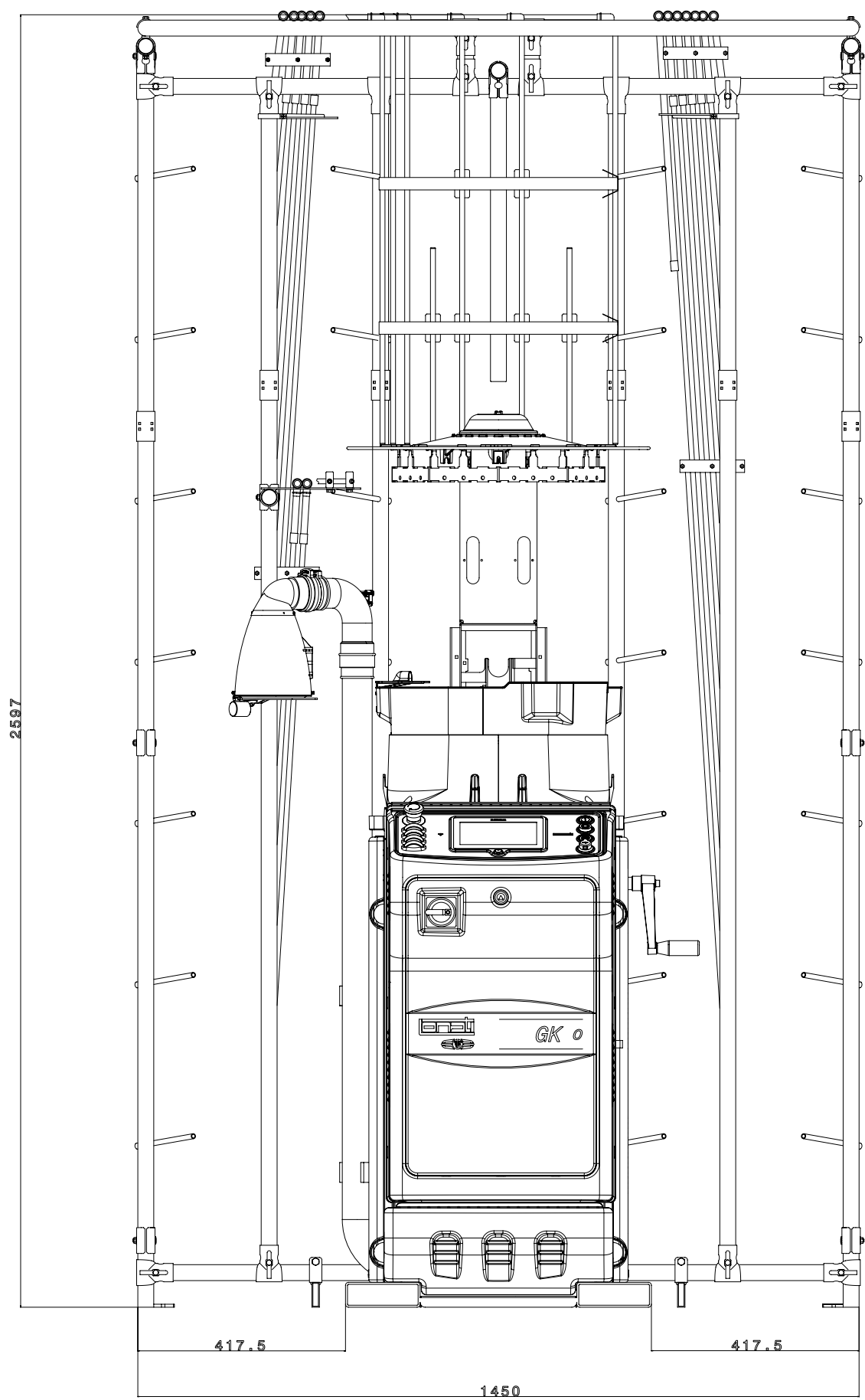
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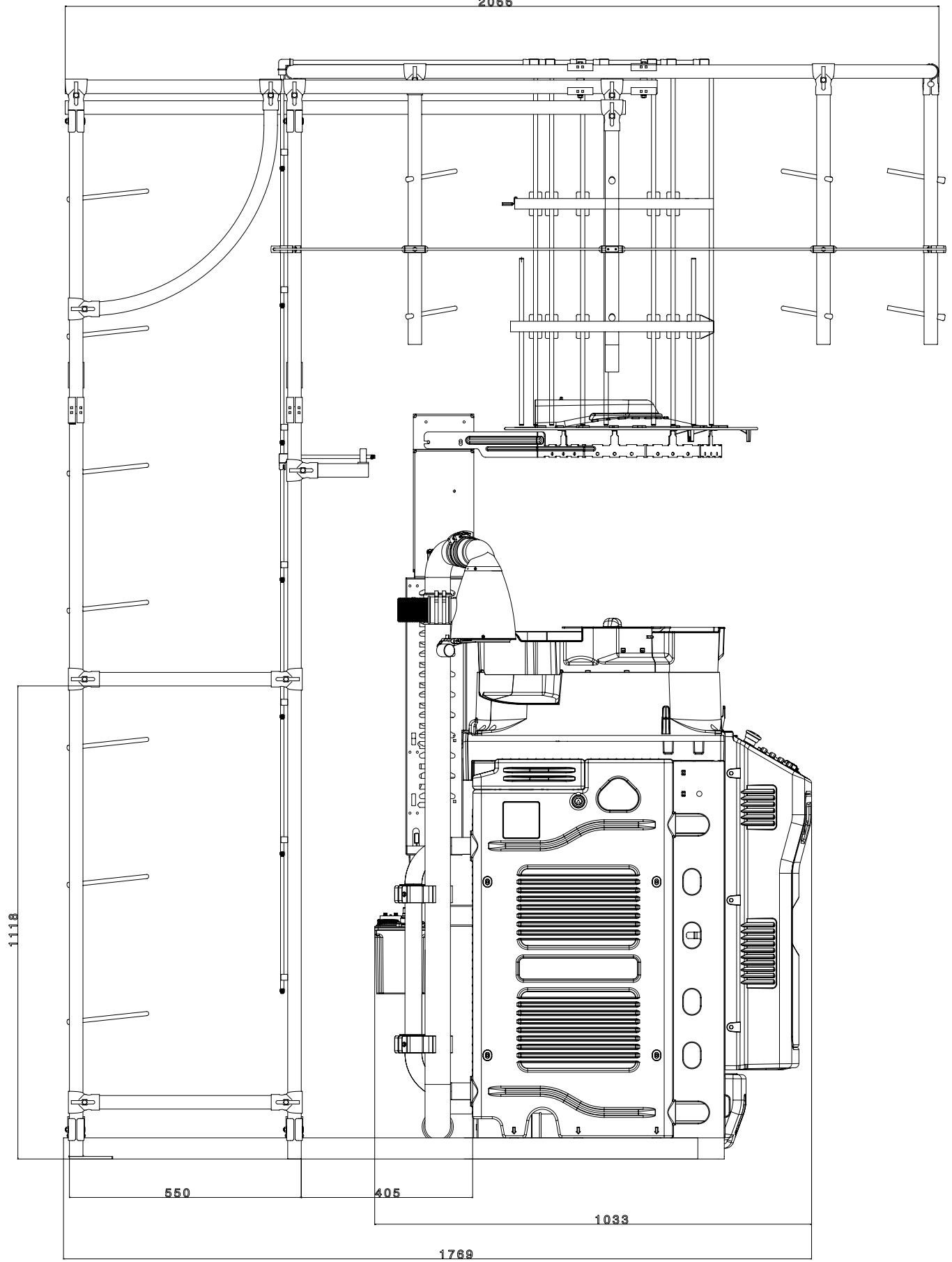
| DESCRIPTION | CODE | NR. OF REELS | WEIGHT KG. | NOTES |
|-------------|----------|--------------|------------|-------------------------------|
| Yarn creel | G3930061 | 28 | 51 | Versione standard |
| Yarn creel | G3930062 | 28 | 51 | Versione con anti strappo BTR |



| DESCRIPTION | CODE | NR. OF REELS | WEIGHT KG. | NOTES |
|-------------|----------|--------------|------------|----------------------------------|
| Yarn creel | G3930061 | 28 | 51 | Versione standard |
| Yarn creel | G3930062 | 28 | 51 | Versione con antistrappo by BTSR |



| DESCRIPTION | CODE | NR. OF REELS | WEIGHT KG. | NOTES |
|-------------|----------|--------------|------------|-------|
| Yarn creel | G1930213 | 52 | 65 | - |



| DESCRIPTION | CODE | NR. OF REELS | WEIGHT KG. | NOTES |
|-------------|----------|--------------|------------|-------|
| Yarn creel | G1930213 | 52 | 65 | - |





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