lonati®
Macchine circolari per calzifici

DC88X
DOUBLE CYLINDER
E132HX – E142HX – E152HX

ENG

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PNEUMATIC
TAKEDOWN

SIMPLIFIED
SHELL

SBYS LINKING
MACHINE

SINGLE-MAGNET
SELECTION

lonati

DC88X

All images in this brochure are indicative and not binding.

DOUBLE CYLINDER
E132HX – E142HX – E152HX

Double cylinder 2 feeds machine for the production of men's, women's and children's socks in ribs, plain knit, links and links jacquard. Needle-needle single-magnet selection for several rib, links and links jacquard patterns.Tuck knitting option on first feed of lower cylinder. Brushless motor incorporated in the column with variable heel and toe reciprocating motion. 2 selection points instead of pickers and needle droppers. Electronic size control by automatic adjustment of the stitch. Available in 3" 1/2, 3" 3/4 and 4" diameters and gauge from 7 to 22. SbyS linking machine with different needle thickness according to machine gauge.

- Needle-needle single-magnet selection instead of pickers and needle droppers and links drums for different rib and links patterns.
- Simplified shell/skirt with less mobile cams used only in the closed toe procedure
- Takedown with electronic control and size self adjustment
- Stitch cams with independent stepper motors
- Easier sinkers maintenance thanks to the rotating knitting head
- Toe linking performed by SbyS linking machine

MACHINE DIMENSIONS

Length cm 116 + yarn creel cm 6
Depth cm 111 + yarn creel cm 69
Height cm 226

MACHINE WEIGHT

Machine ca. 460 Kg
Yarn creel ca. 30 Kg

NOTE:
All data relating to outer appearance, performance, dimensions and weight are just as an indication.

DOUBLE CYLINDER
132HX – E142HX – E152HX

TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
E132HX	3"1/2	from 9 to 22	0.5 - 0.6 - 0.7 mm
E142HX	3"3/4	from 9 to 22	0.5 - 0.6 - 0.7 mm
E152HX	4"	from 7 to 22	0.5 - 0.6 - 0.7 - 0,9 mm

Above data are indicative and not binding.

STANDARD DEVICES

- Needle-needle single-magnet electronic selection system;
- Sock downtake with downwards movement control;
- Automatic turning device;
- Multi-stiffening by means of stepper motor;
- High heel by means of single-magnetic selection;
- Sinker cap with internal lubrication;
- 6 pneumatic yarnfingers;
- 4-rod take-up device;
- Suction valve controlled with stepper motor;
- Tail knitting at the start of the sock;

OPTIONAL DEVICES

- Fan
- Picot welt
- Size electronic control
- Split device
- Pneumatic yarnfinger number 7
- First yarnfinger positioning at feeds 5,6 and 7
- Second yarnfinger positioning at feeds 2,3 and 4
- Lycra plating
- Bare Lycra
- 6-rod take-up device

- Yarn brake discs opener 1 and 2
- Prearrangement for YoYo feeder
- Prearrangement for LGL feeder
- Spyder sensors
- Cassefils mechanical sensors
- Knots electric sensors
- Ethernet board

SUITABLE YARNS

The machine is designed to be used with the following yarns:	- Natural fibers - Syntetic yarn - Elastic yarn

POSSIBLE KNITTING

The standard machine can perform the following knittings	- Plain knit - Rib - Links - Tuck stitch on lower cylinder

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NUMBER OF COLORS

Number of colors	1 color on the same course Up to 6 colors on first feed Up to 3 colors on second feed

PERFORMANCES

GAUGE	4" CYLINDER DIAMETER
	14 (needle thickness 0.7)
KNITTING FEATURES	LINKS = 340 Rpm
	Rib and plain knit = 380 Rpm
	Tuck stitch = 260 Rpm
	Reciprocated motion = 360 Rpm

Above data are indicative and not binding.

GAUGE

GAUGE																	
Model	ø	6	7	8	9	10	11	12	13	14	15	16	17	18	20	22	
132HX	3"1/2				96 100 104	108 112	116 120 124	128 132 136	140 144 148	152 156	160 164 168	172 176 180	184 188 192	196 200	216 220 224	240	

Needle thickness 0.7 (gauges 9–15)
Needle thickness 0.6 (gauges 14–18)
Needle thickness 0.5 (gauges 17–22)

GAUGE																	
Model	ø	6	7	8	9	10	11	12	13	14	15	16	17	18	20	22	
142HX	3"3/4				104 108	112 116 120	124 128 132	136 140 144	148 152 156	160 164 168	172 176 180	184 188 192	196 200 204	208 212 216	232 236 240		

Needle thickness 0.7 (gauges 9–15)
Needle thickness 0.6 (gauges 14–18)
Needle thickness 0.5 (gauges 17–20)

GAUGE																	
Model	ø	6	7	8	9	10	11	12	13	14	15	16	17	18	20	22	
152HX	4"	76 80	84 88 92	96 100 104	108 112 116	120 124 128	132 136 140 144	148 152 156	160 164 168	172 176 180	184 188 192	196 200 204	208 212 216	220 224 228 232	248 252 256		

Needle thickness 0.9 (gauges 6–8)
Needle thickness 0.7 (gauges 9–15)
Needle thickness 0.6 (gauges 14–18)
Needle thickness 0.5 (gauges 17–20)

Above data are indicative and not binding.

DISCLAIMER:
For gauges lower or higher then those in the chart, their maximum speed must be reduced by 10-15%.
Should you use staple fiber, maximum speed has to be detected each time according to the yarn and the item to be produced.

Lonati is recommending needles from
GROZ-BECKERT®

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ELECTRIC POWER CONSUMPTION

With program for medium length socks.

MACHINE MODEL	CONSUMPTION kWh
E132HX - E142HX – E152HX	0.51

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*
E132HX - E142HX – E152HX	3'13"	Nl 120 - ft³ 4.2	Nl 130 - ft³ 4.6	Nl 37.3 - Cfm 1.3	Nl 40.4 - Cfm 1.4

*Sock ejection blow open

SUCTION

Depression = Cylinder = 800 - 850 mm/H20 - **Flow**= 2.5 m³/min

NOISE LEVEL

Machine average noise level, suction included LpA=81.9 dB LwA=99 db

LUBRICANTS

Average consumption for 100 dozens= 330 gr. Lonati recommends: Kluber Madol 183 Supreme

GREASE

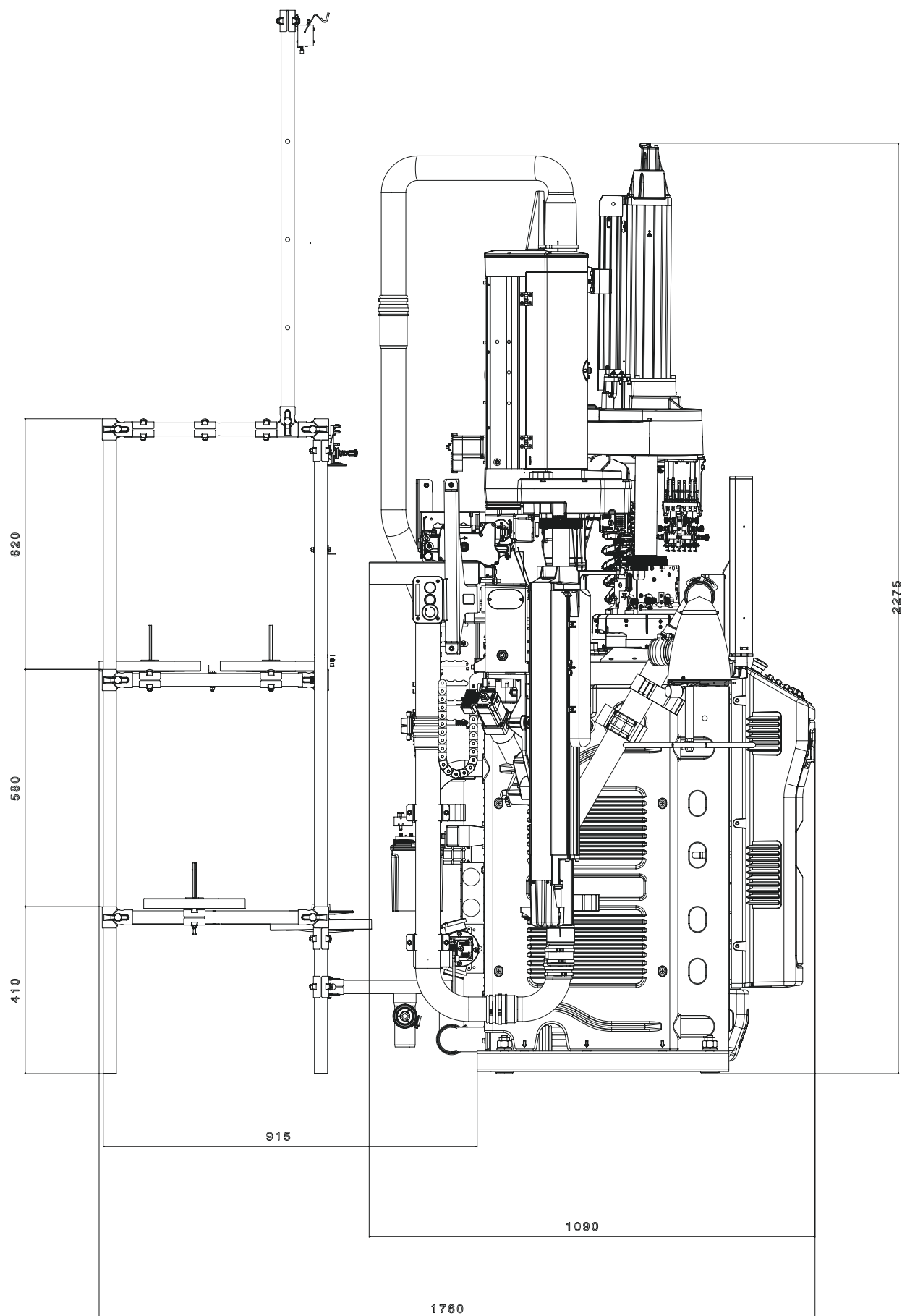For seals, bearing etc Lonati recommends: Damping grease Nyogel 774F
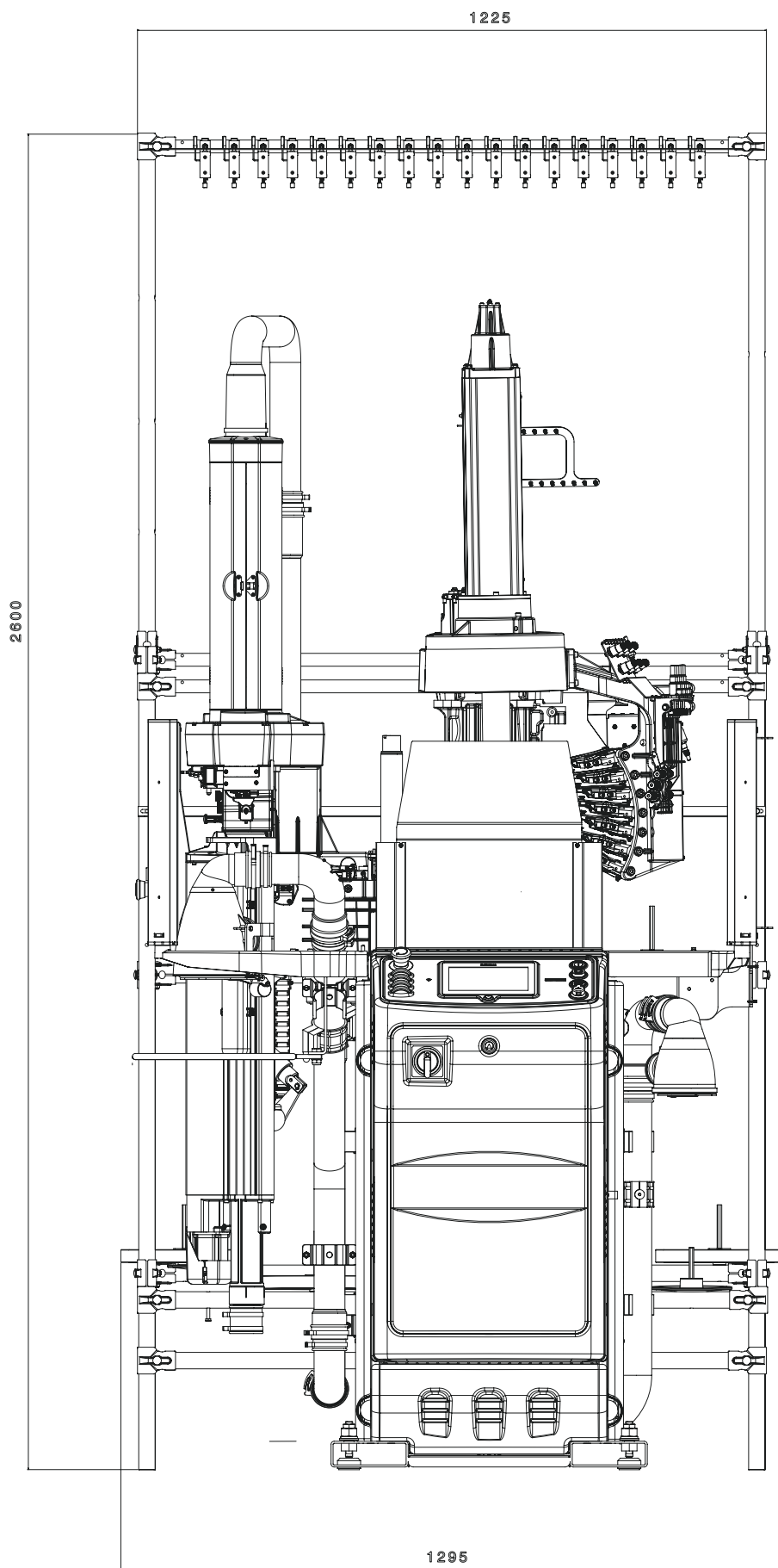
1225

2600

1295

FRONT VIEW
Machine dimensions + 16 positions yarn creel.

NOTE:
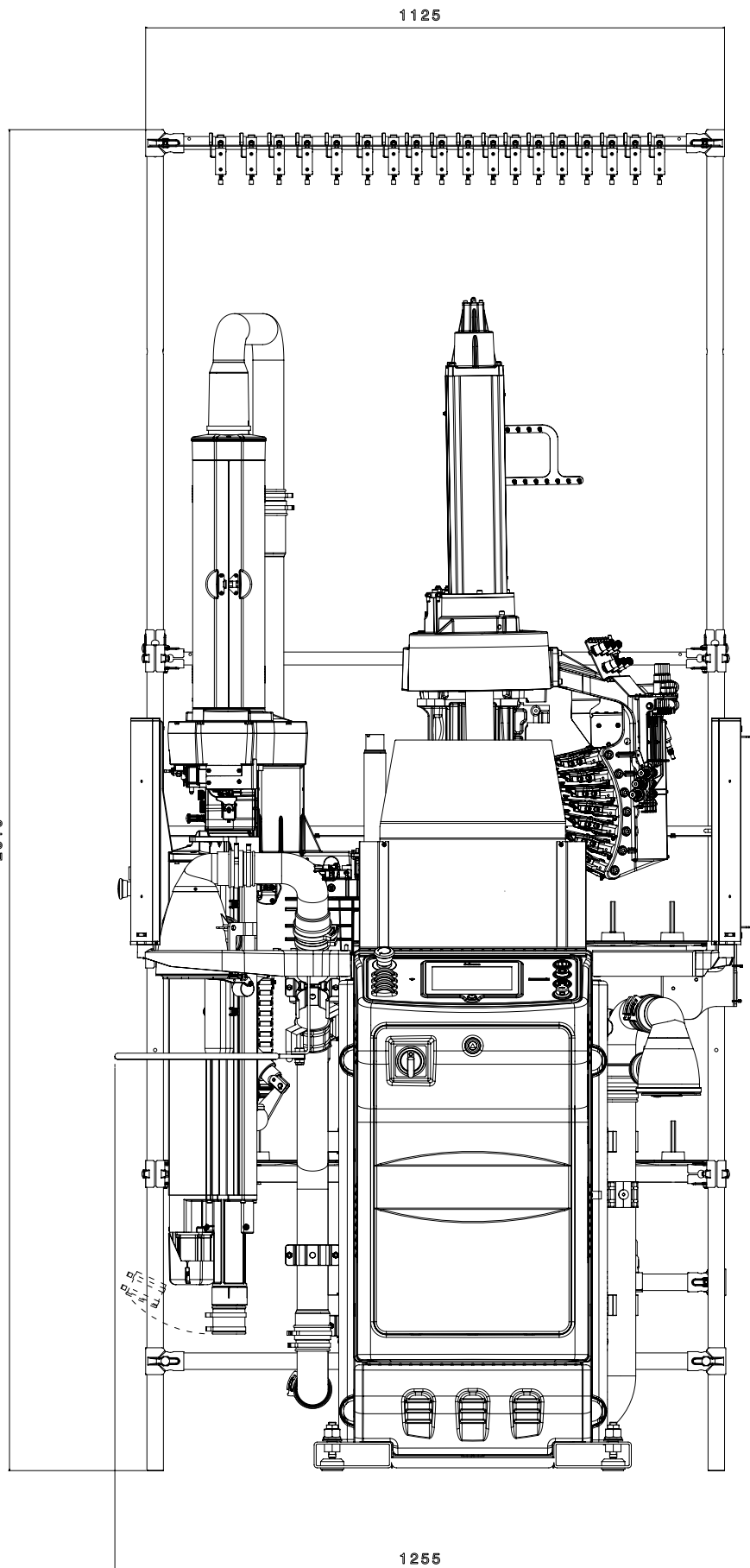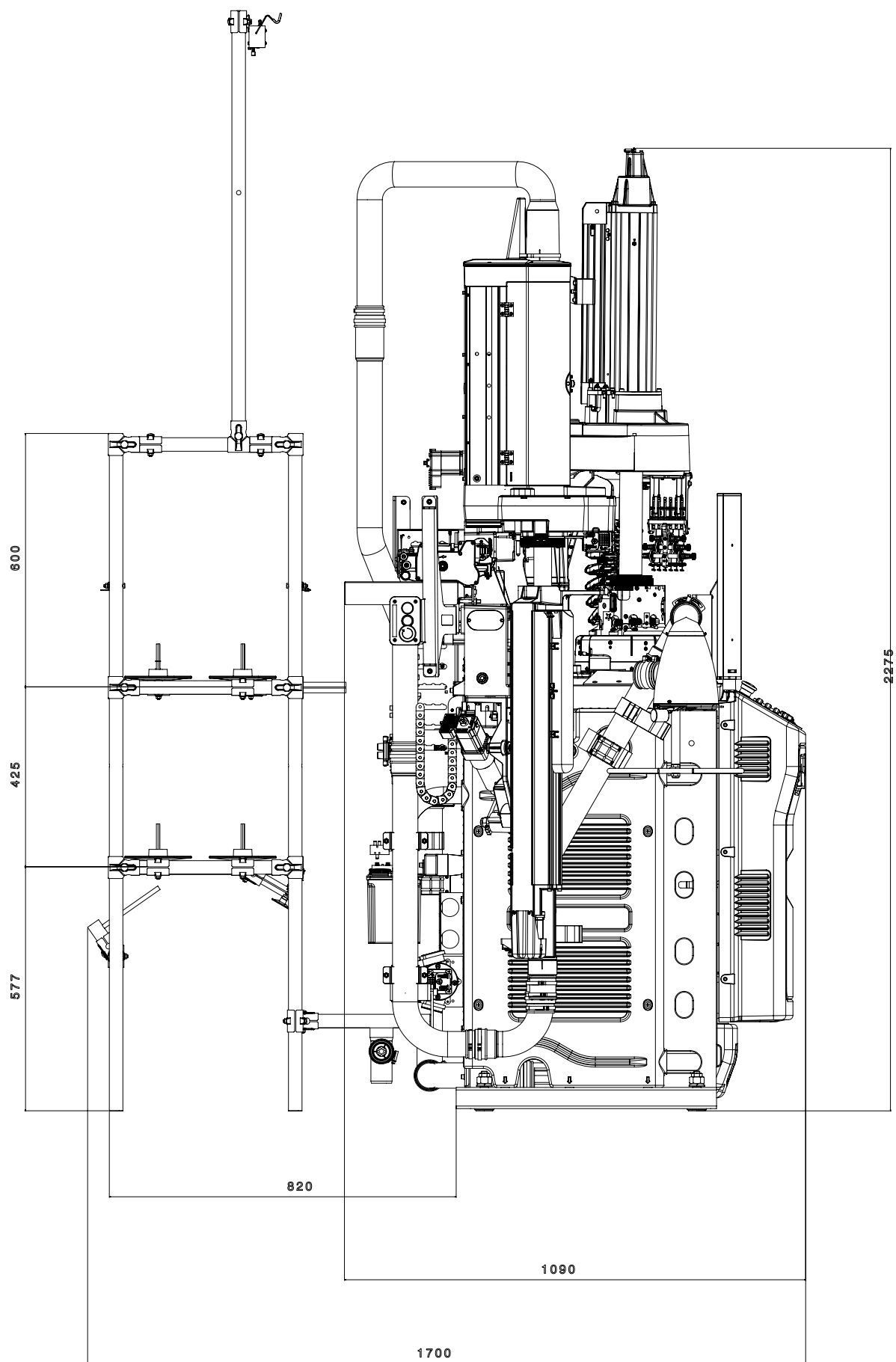The picture may show fittings and equipment that are supplied on demand and not.

620

580

410

2275

915

1090

1760

SIDE VIEW
Machine dimensions + 16 positions yarn creel.

NOTE:
The picture may show fittings and equipment that are supplied on demand and not.

1125

2610

1255

FRONT VIEW
Machine dimensions + 18 positions yarn creel.

SIDE VIEW
Machine dimensions + 18 positions yarn creel.

NOTE:
The picture may show fittings and equipment that are supplied on demand and not.

NOTE
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LONATI GROUP

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