

SYNTHESIS
TECHNOLOGY
ENLIGHTENED



GOLFETTO SANGATI
A COMPANY OF PAVAN GROUP

THE SYNTHESIS OF TECHNOLOGY AND EXPERTISE

The Synthesis rollermill takes on board the very best in milling technology and the skills sharpened by Golfetto Sangati in over 80 years of experience in the sector.

- Low noise levels
- High performance
- Low maintenance
- Long-lasting
- Total precision
- Safe to use

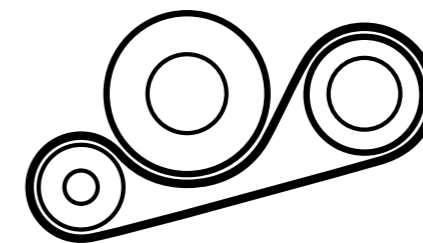
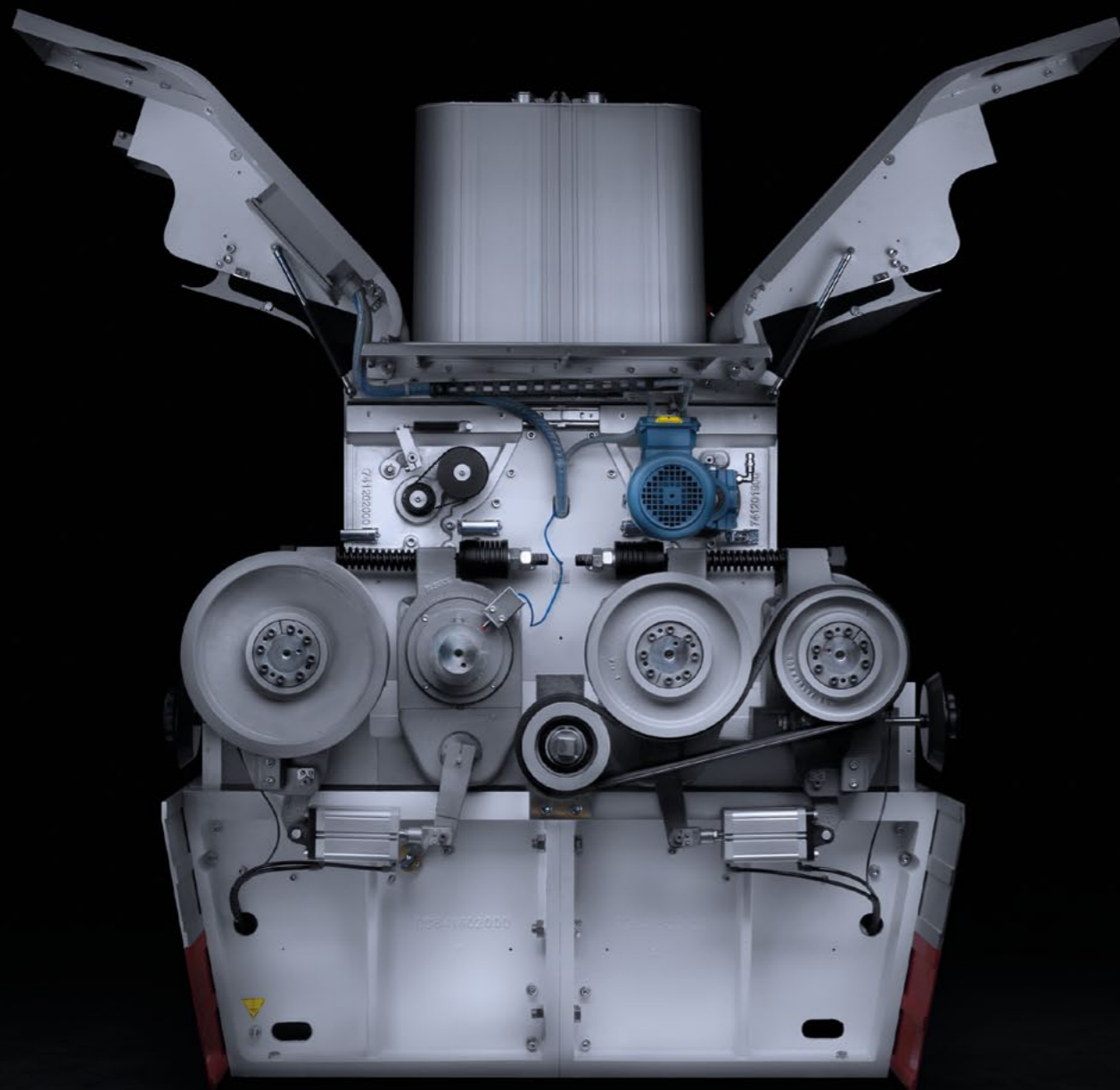


A ROLLERMILL THAT GOES BEYOND YOUR IMAGINATION

The most popular, high-performance machine on the market, Synthesis comes in 2, 4 and 8 rolls versions. Simple to run and versatile enough to cope with the specific milling requirements of whatever country it operates in.



ESSENTIALITY IS VITAL TO FLY



Simple mechanics

A single double-sided Poly V belt rotates the grinding cylinders. During disassembly of the grinding cylinders, the kinematic mechanisms that control the engagement/disengagement of the rolls remain integral with the machine by virtue of an exclusive mechanical geometry. This means there is no need to re-calibrate the grinding components when they are replaced.

Checking on-the-go

The electric control unit, together with the frequency converters, is housed in containers placed on the front of the machine under the inspection hatch, allowing for safe, easy access even when the machine is in operation.

Simplified maintenance

The entire power supply unit of the power train components is mounted on ball-bearing slides, so it can be extracted to access the feeding chamber for cleaning operations. The front block of the machine snaps quickly onto the internal structure and can be raised in order to give operators immediate access to the grinding cylinders and the feeder area.

Direct pick-up (optional)

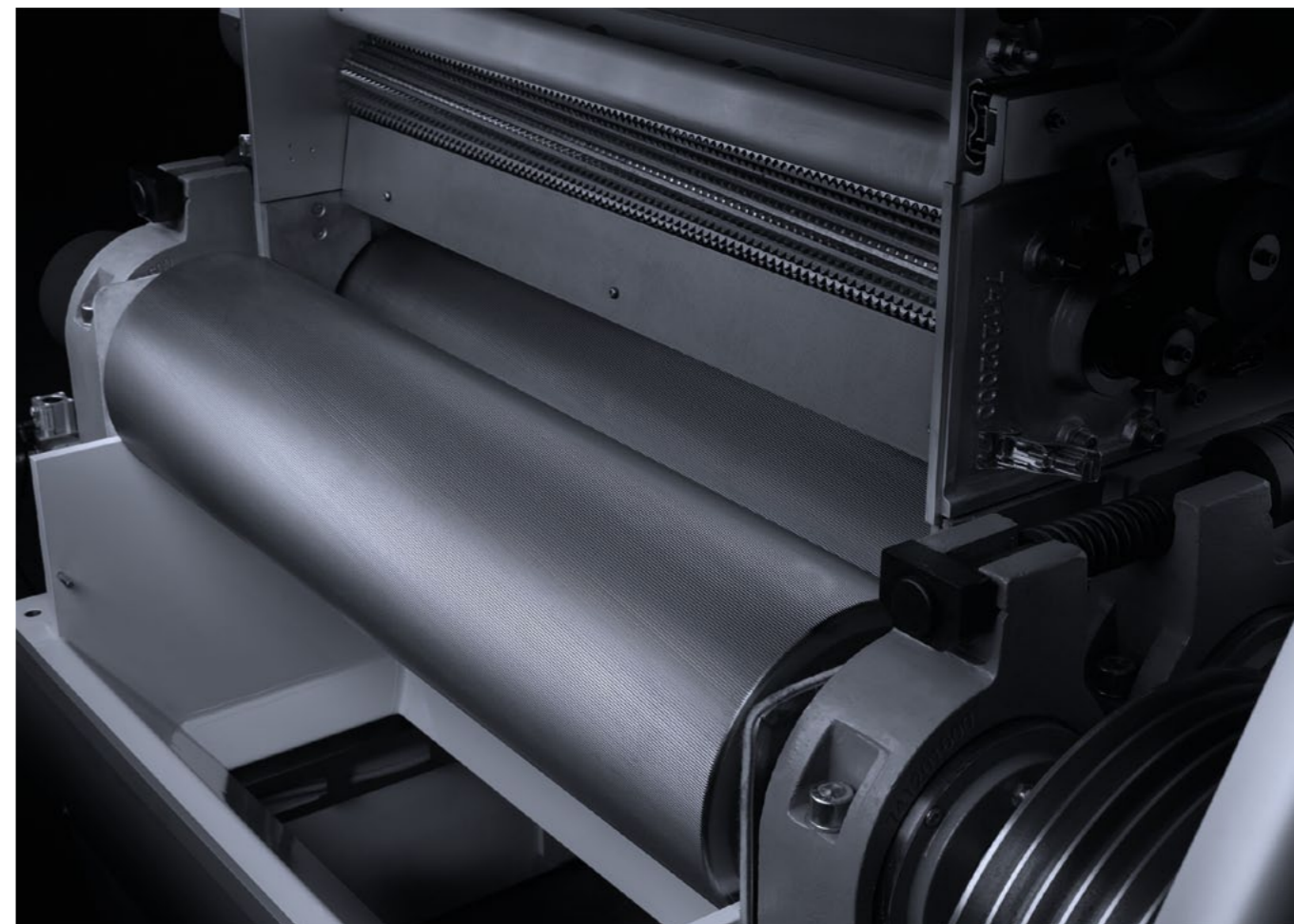
The pneumatic suction tube is positioned right inside the machine, with the roller mill resting directly on the surface.

WHAT IS ESSENTIAL
IS VISIBLE TO THE EYE



MATERIALS THAT MATTER

Both the structural elements and the accessories are in 6060 anodised aluminium and stainless steel; these materials are compliant with the European UNI EN 602 regulations for use in the food sector.



Excellent distribution of the product on the feeder rolls

The large chamber below the bell-shaped hopper allows the material to pass through more easily.

Efficient, silent grinding

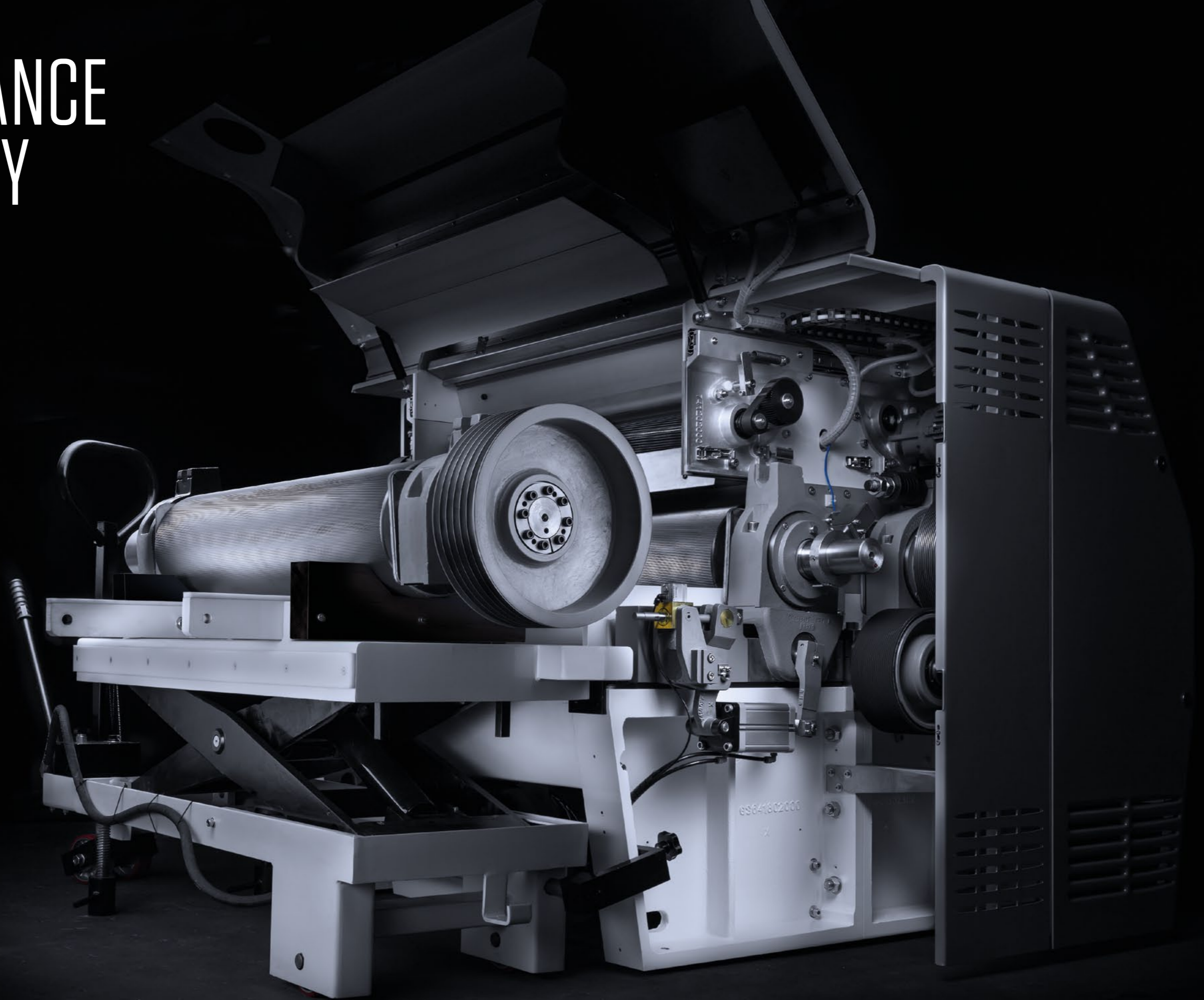
The product is fed through to the grinding cylinders with micrometric precision, and spread right across the breadth of the machine.

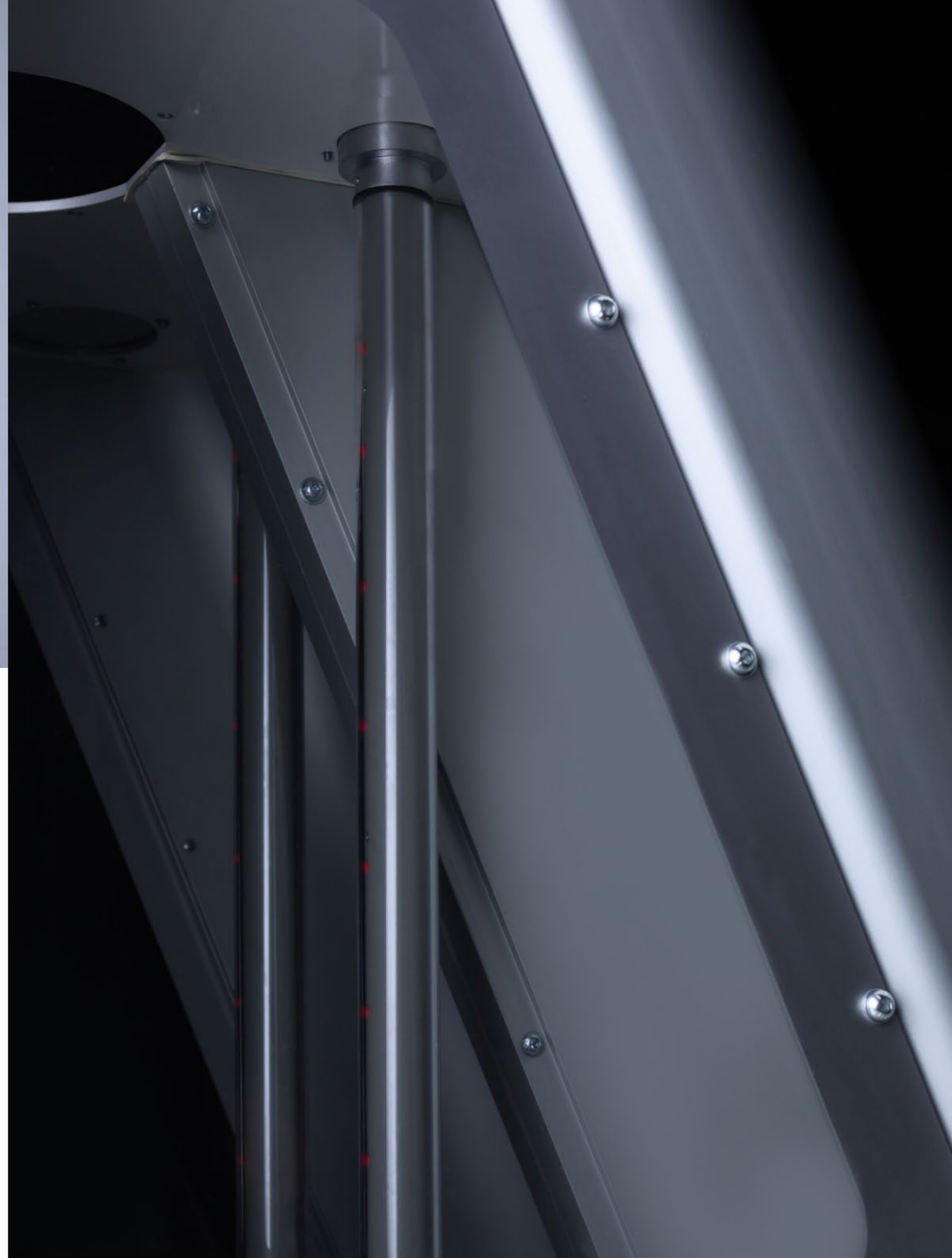
Details that matter

Two solid cast-iron bases, linked by sturdy carbon steel beams to guarantee perfect stability and thus reduce vibrations to zero.

MAINTENANCE MADE EASY

The unit housing the cylinders and the top part of the bearing supports is held in place by eight screws, so it can be instantly removed using a carriage designed for the purpose.





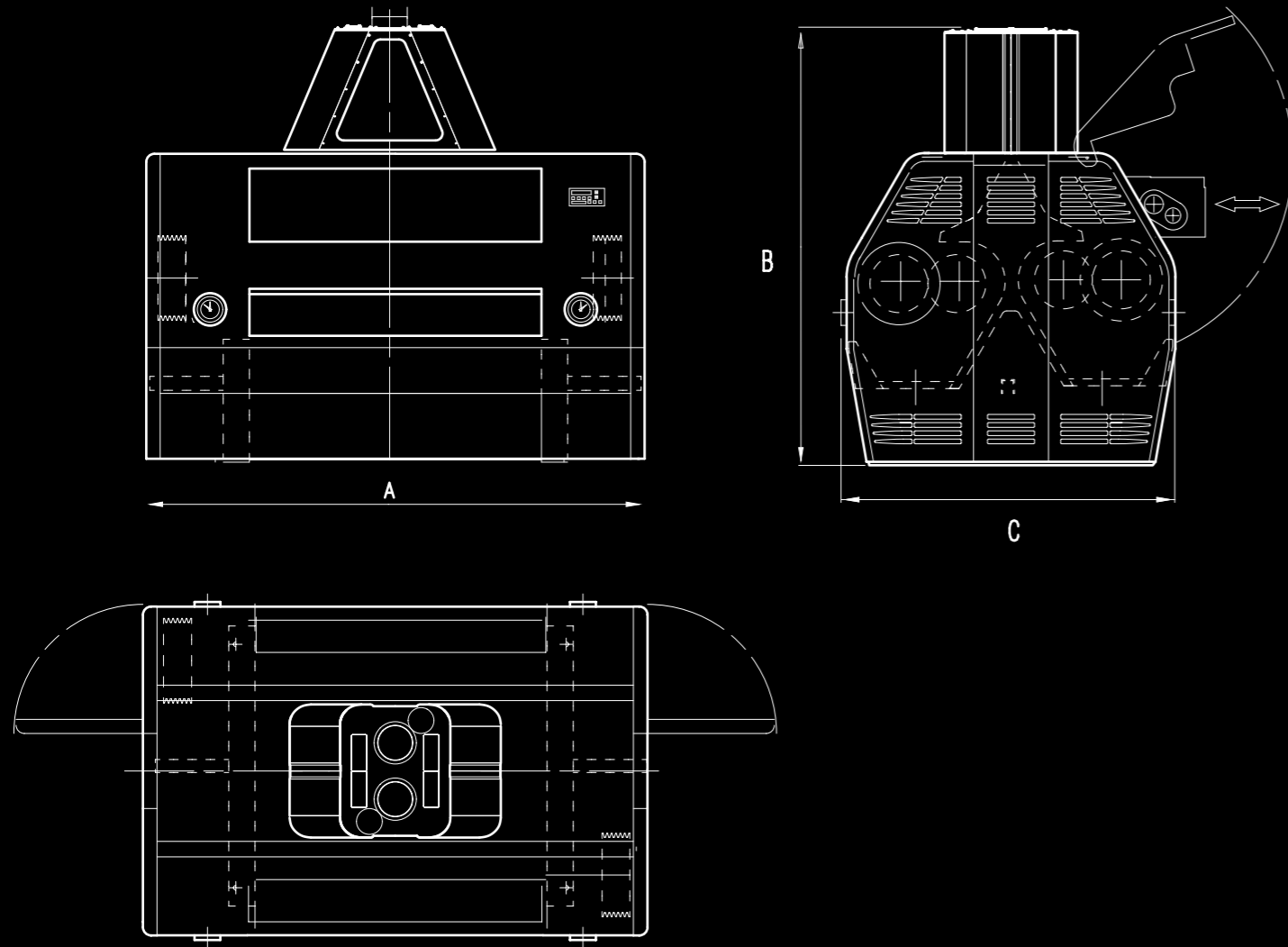
Just one touch

The operator panel makes it easy to check on the milling parameters and the main data, such as the power absorption of the transmission motors. On the Touch Screen version, the panels on either side can also control the opposite side. Through an RS 485 and/or PROFIBUS interface, each machine is able to exchange information with the computer for overall control of the mill.

100% control

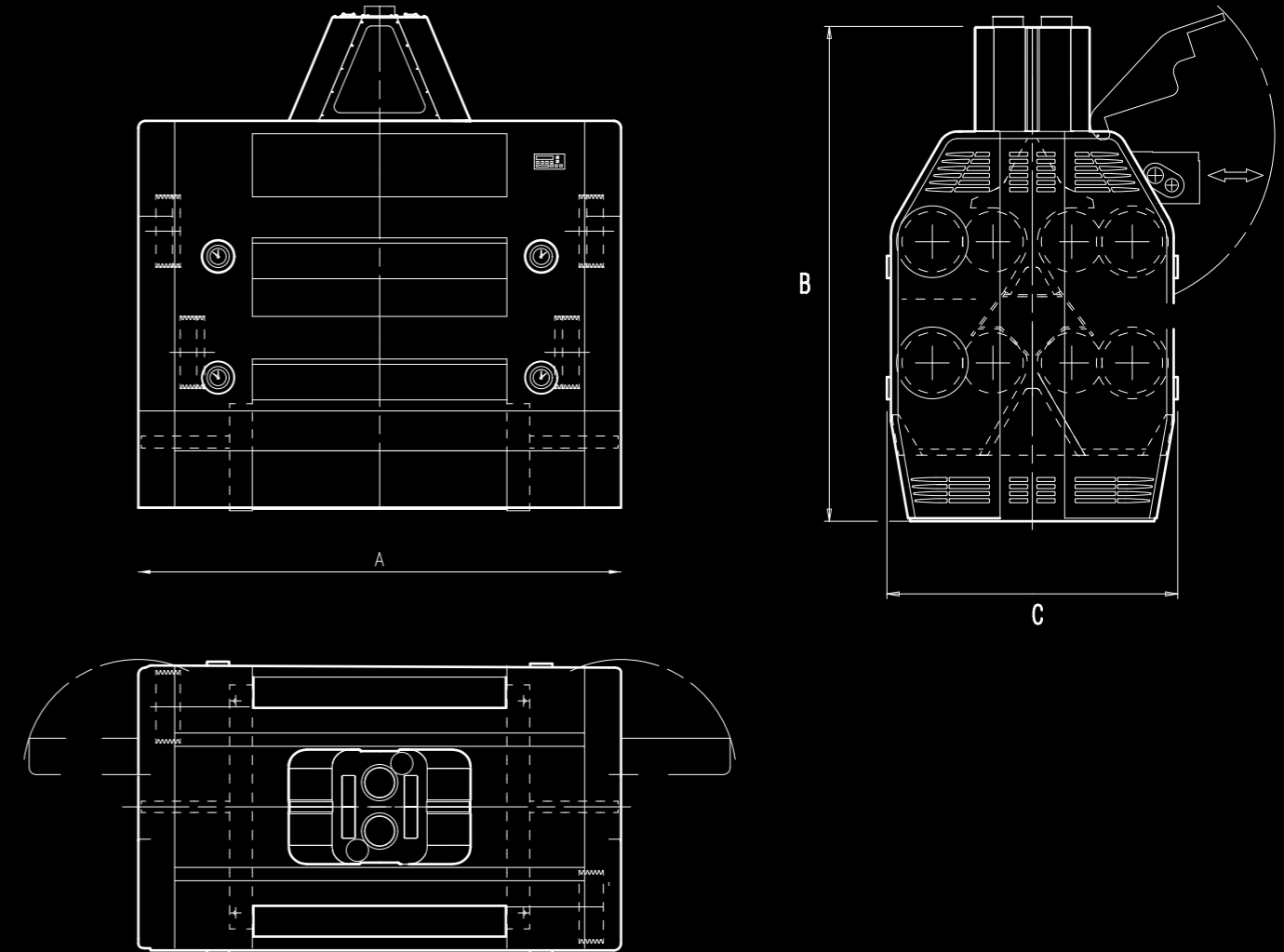
Infrared probes entirely unaffected by dust are able to detect the presence or absence of product in the bell tank, so the grinding rolls can be engaged or disengaged accordingly. The eight reading points of the probes are able to establish the amount of product present in the bell tank, adjusting the speed of the feeder rolls based on the indications of the milling flow sheet.

SYNTHESIS 4 ROLLS



| MODEL | A (WIDTH) | B (HEIGHT) | C (DEPTH) | WEIGHT |
|-----------|-----------|------------|-----------|---------|
| SY 80-4M | 1700 mm | 1850 mm | 1440 mm | 2700 kg |
| SY 100-4M | 1900 mm | 1850 mm | 1440 mm | 3050 kg |
| SY 125-4M | 2150 mm | 1850 mm | 1440 mm | 3400 kg |
| SY 150-4M | 2400 mm | 1850 mm | 1440 mm | 4000 kg |

SYNTHESIS 8 ROLLS



| MODEL | A (WIDTH) | B (HEIGHT) | C (DEPTH) | WEIGHT |
|-----------|-----------|------------|-----------|---------|
| SY 80-8M | 1940 mm | 2450 mm | 1140 mm | 6445 kg |
| SY 100-8M | 2140 mm | 2450 mm | 1140 mm | 7330 kg |
| SY 125-8M | 2339 mm | 2450 mm | 1140 mm | 8215 kg |
| SY 150-8M | 2640 mm | 2450 mm | 1140 mm | 9100 kg |

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