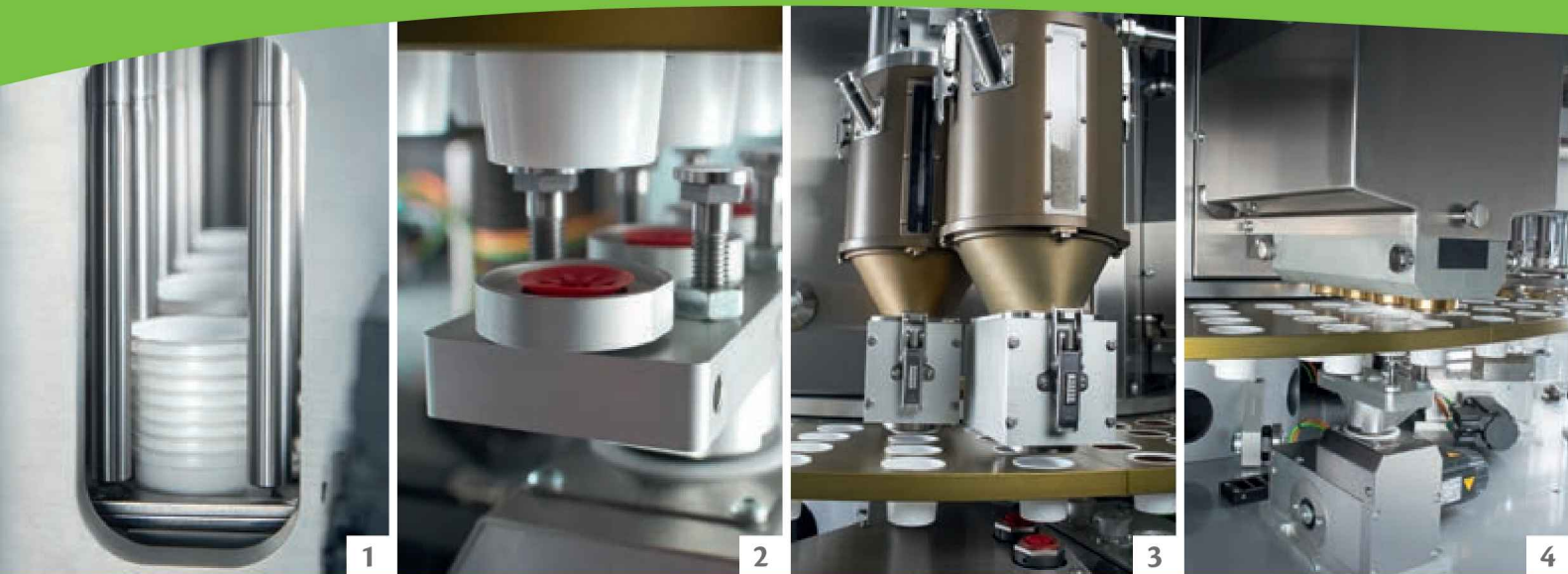


# 590

LOW SPEED CAPSULE FILLING MACHINE



## 590 LOW SPEED CAPSULE FILLING MACHINE



GIMA, together with other sister companies part of IMA Industries, can supply a complete turn-key system, starting from coffee capsule filling and sealing, secondary packaging up to end of line.

The Gima 590 capsule filling machine can handle both injected and thermoformed capsules of different dimensions. In case of self-protected capsules, the machine can also handle them in modified atmosphere (nitrogen).

The Gima 590 is the reliable and cost effective option, designed for low production volumes. It's a rotary machine with a compact footprint, thus ensuring a remarkable space saving.

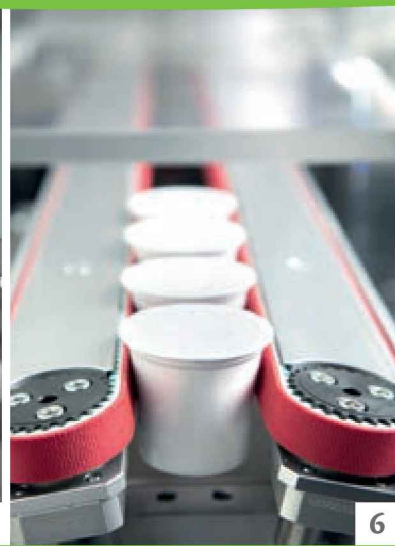
The machine has the same technical solutions as of the well-known Gima 595. Easy cleaning operations are possible thanks to pull-out operating system. According to capsule configuration, tailor-made solutions are possible.

Precise and accurate product dosing into the capsule is performed by a set of servo controlled augers combined with innovative gating systems. Extremely gentle product handling to suit a wide range of products to be filled such as: coffee with different densities, tea and soluble powders. Sturdy construction ensures consistent, high dosing accuracy. Accurate weight is also assured by an on-line weighing system for each filled capsule with data feedback to automatically adjust the dosing unit or to reject the capsules outside the specified weight range.





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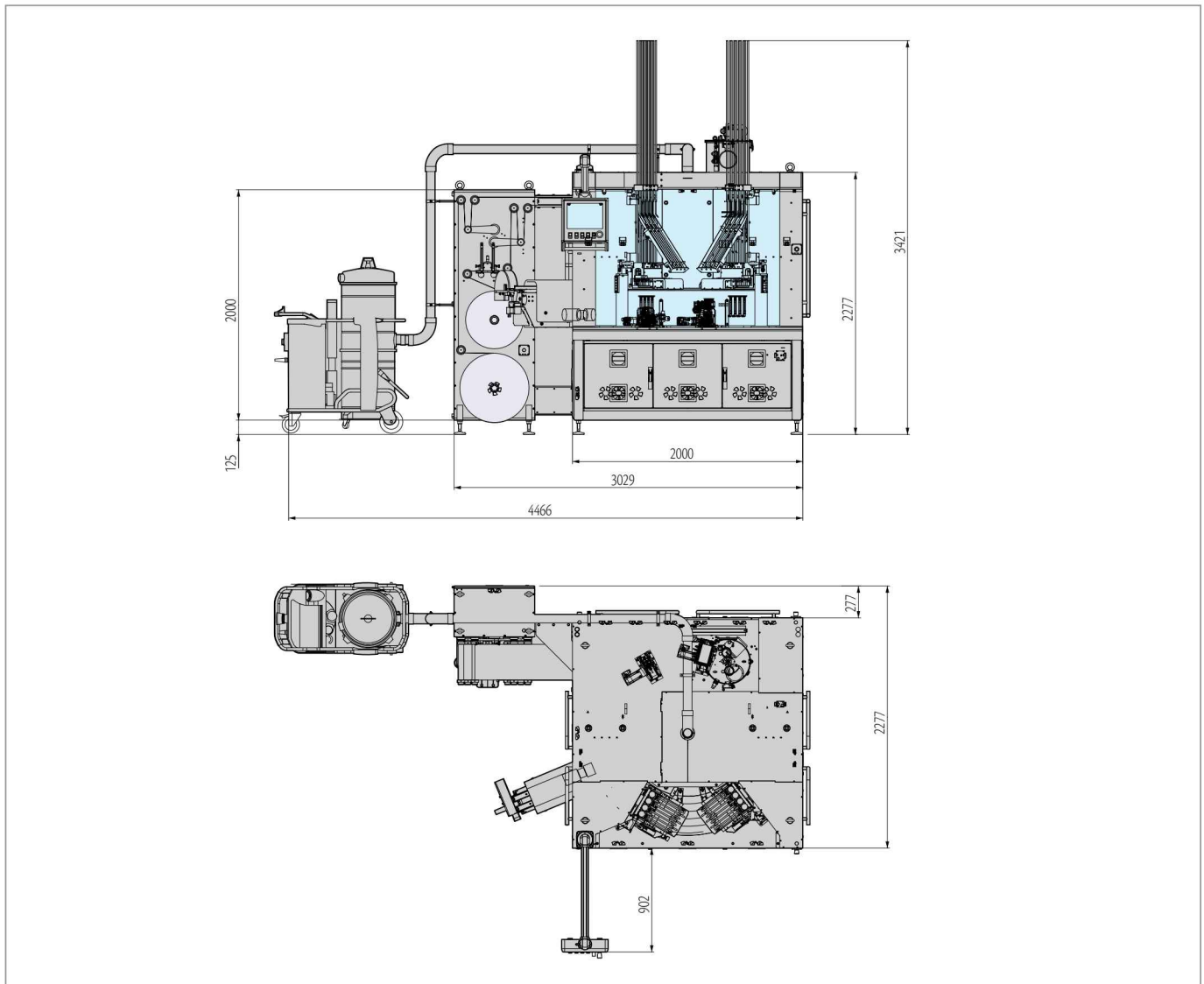
1. Capsule vertical feeding system
2. Plate contrast and capsule holding
3. Dosing system
4. Product compacting and capsule rim cleaning unit
5. Lid cutting/transferring and sealing unit
6. Exit belt



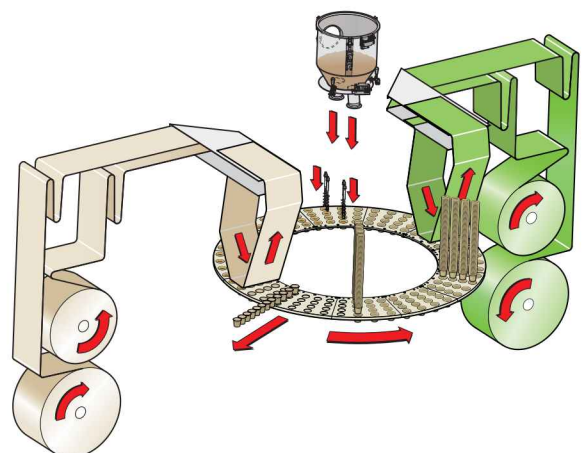
- EXCELLENT PRODUCTION EFFICIENCY
- MINIMAL MAINTENANCE REQUIREMENT
- DEDICATED FEEDING SYSTEM
- POSSIBILITY TO HANDLE DIFFERENT CAPSULES IN MODIFIED ATMOSPHERE
- EXTREMELY PRECISE DOSING TO ASSURE CORRECT PRODUCT WEIGHT
- POSSIBLE TAILOR-MADE SOLUTIONS ACCORDING TO CAPSULE CONFIGURATION



# 590 TECHNICAL DATA



	590
Production speed 2 lanes	100 capsules/min.
Production speed 4 lanes	200 capsules/min.
Installed power	14 kW
Average power consumption	4 kW
Machine weight	3000 kg
Nitrogen consumption	30 m <sup>3</sup> /h
Expected compressed air consumption	1000 NI/min.
Compressed air pressure	6 bar
Filter paper reel	Max. Outer diameter 300 mm
Lid material reel	Inner diameter 76 mm



Data subject to possible technical modifications and not necessarily definitive.

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