

「 ..We..have..been inspired
by the most perfect machine..ever: **man**. 」



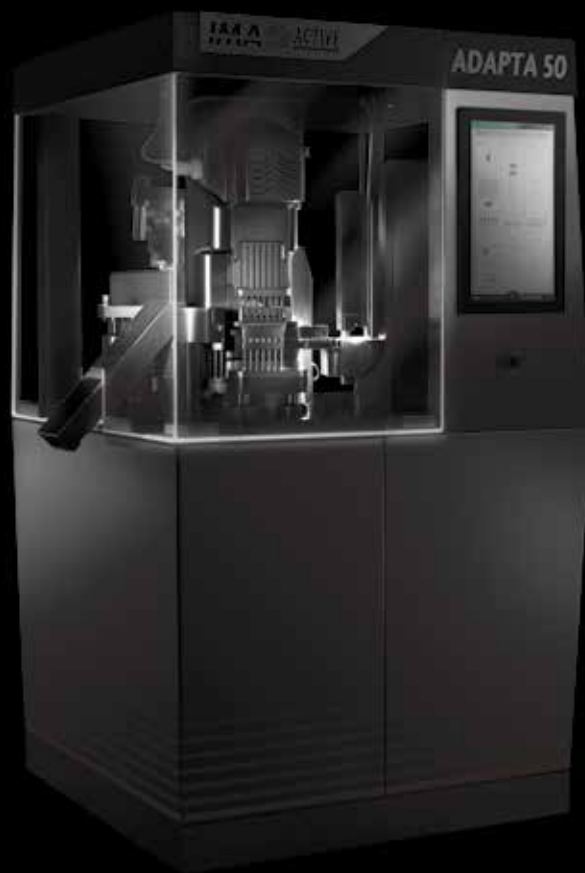


It's time for a new idea of automatic machine.

It's time for a compact capsule filler that combines
IMA's unrivalled experience with the most innovative
technologies for quality control.

It's time to discover the new Adapta 50.

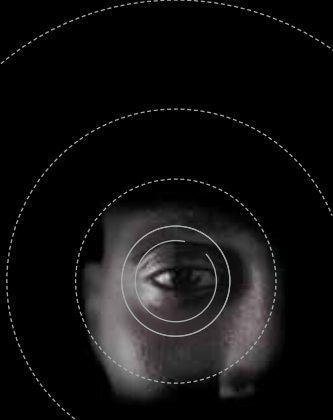
「...New **Adapta 50**. More than a machine.」



1



Corporate HMI



2



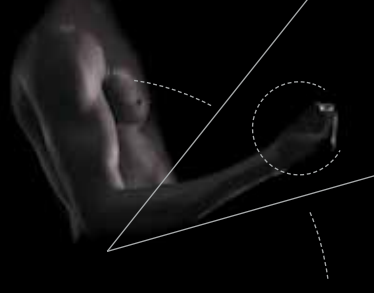
Central capsule infeed



3



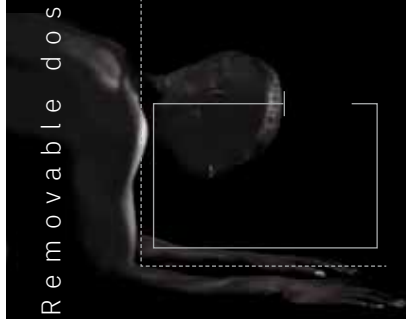
Adjustable dosing system



Built-in upside down scale



Removable dosing unit



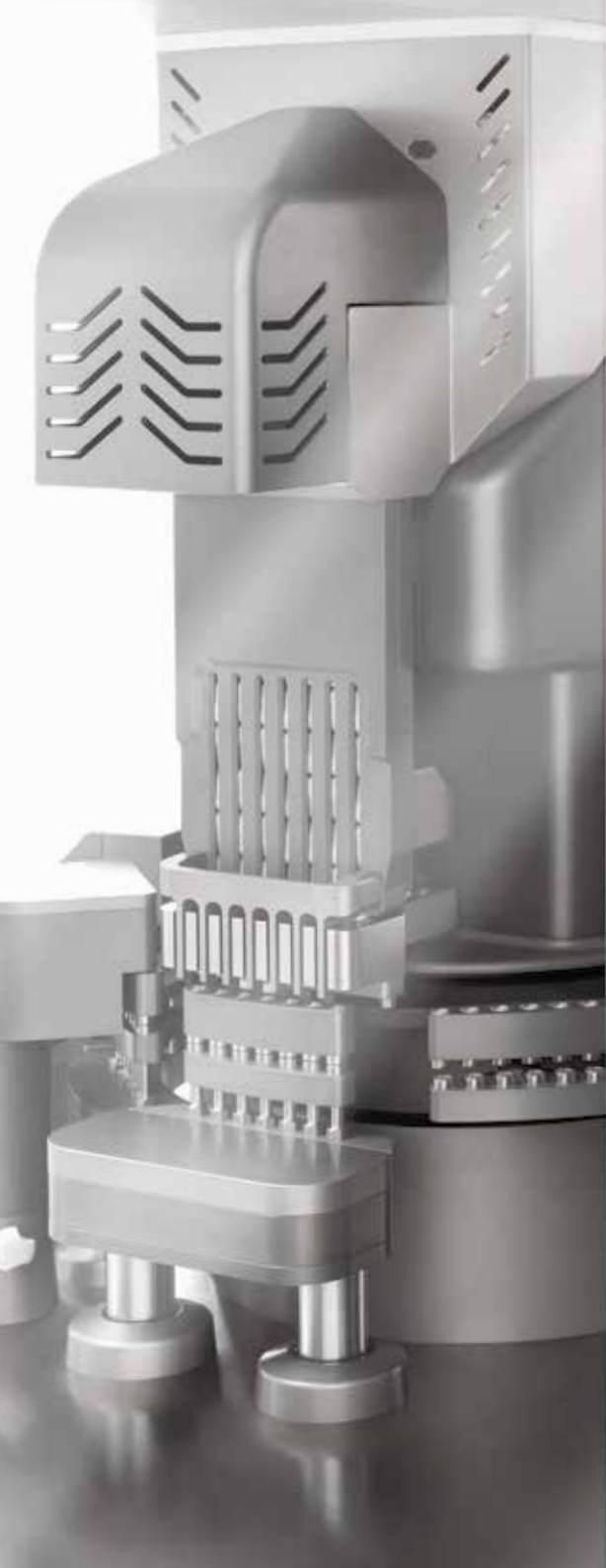
4



5



The new ADAPTA 50 synthesizes all the best of our competence in capsule filling. While designing this machine, we scouted for new technical solutions, improved the handling of difficult products, tested innovative algorithms and feedback loops to enhance the in-line control of critical quality and performance attributes. The result is a machine unique on the market that further underscores the hallmarks of our acknowledged ADAPTA 100 and 200 capsule fillers.





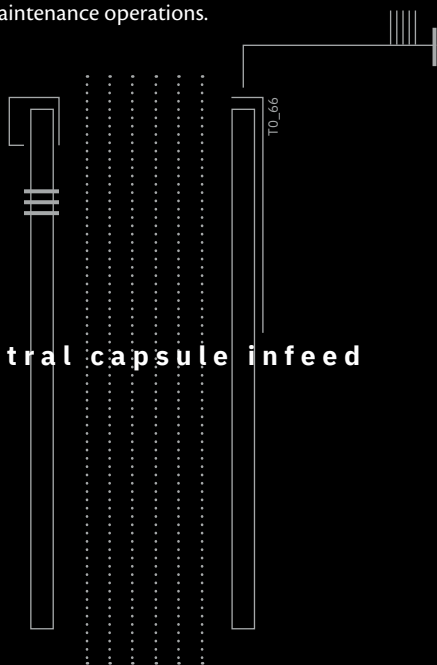
ADAPTA 50 is fitted with MAX, the new corporate HMI. The new UX design plays a strategic role in improving operator efficiency, while ensuring prompt responsiveness, enhanced predictability and easy learning. The result is an HMI that truly meets the operators' needs.

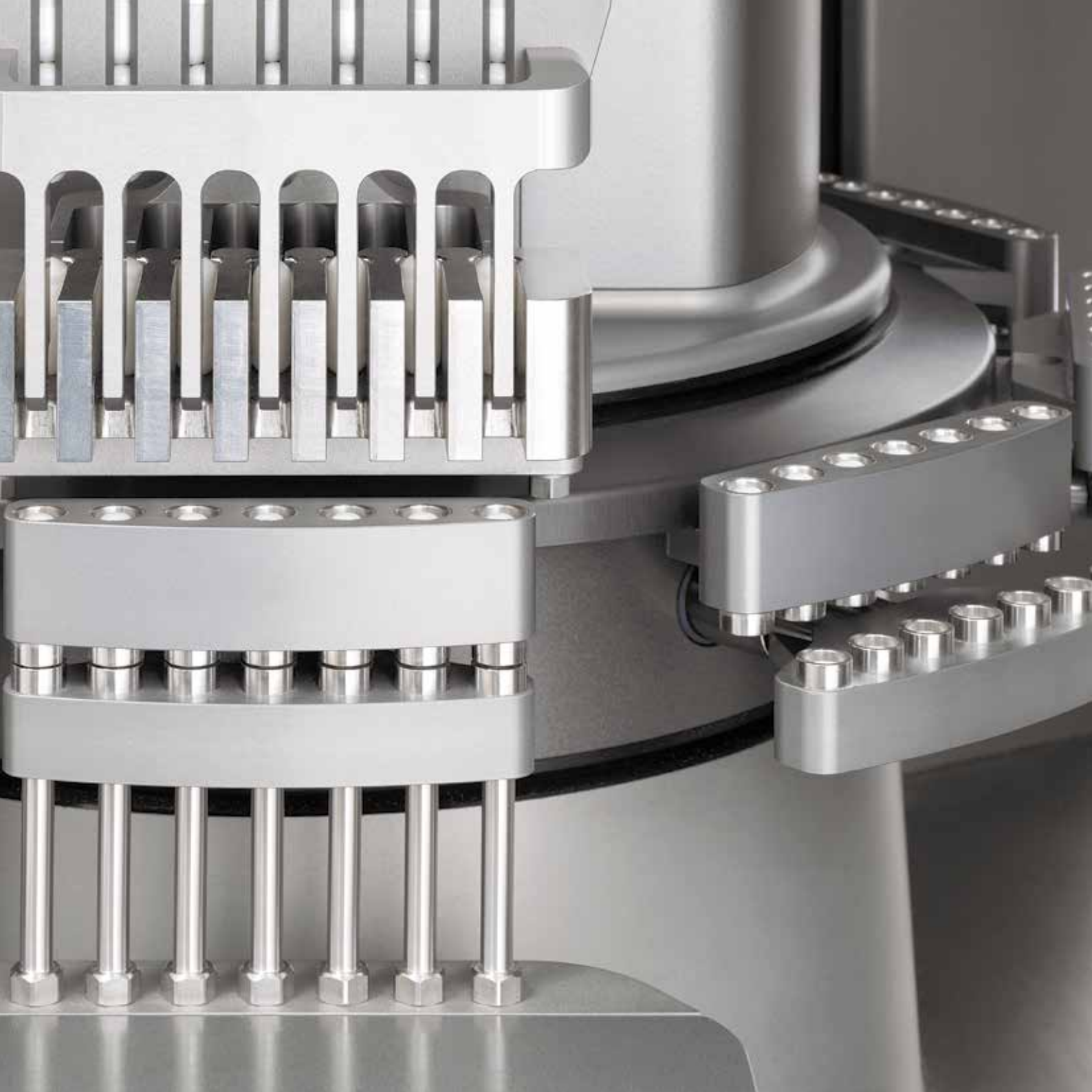
The underneath KORTEK, an iFix-based SCADA, is designed to be IoT ready, for an easier and deeper connection with a superior layer, intra- or inter-plant.

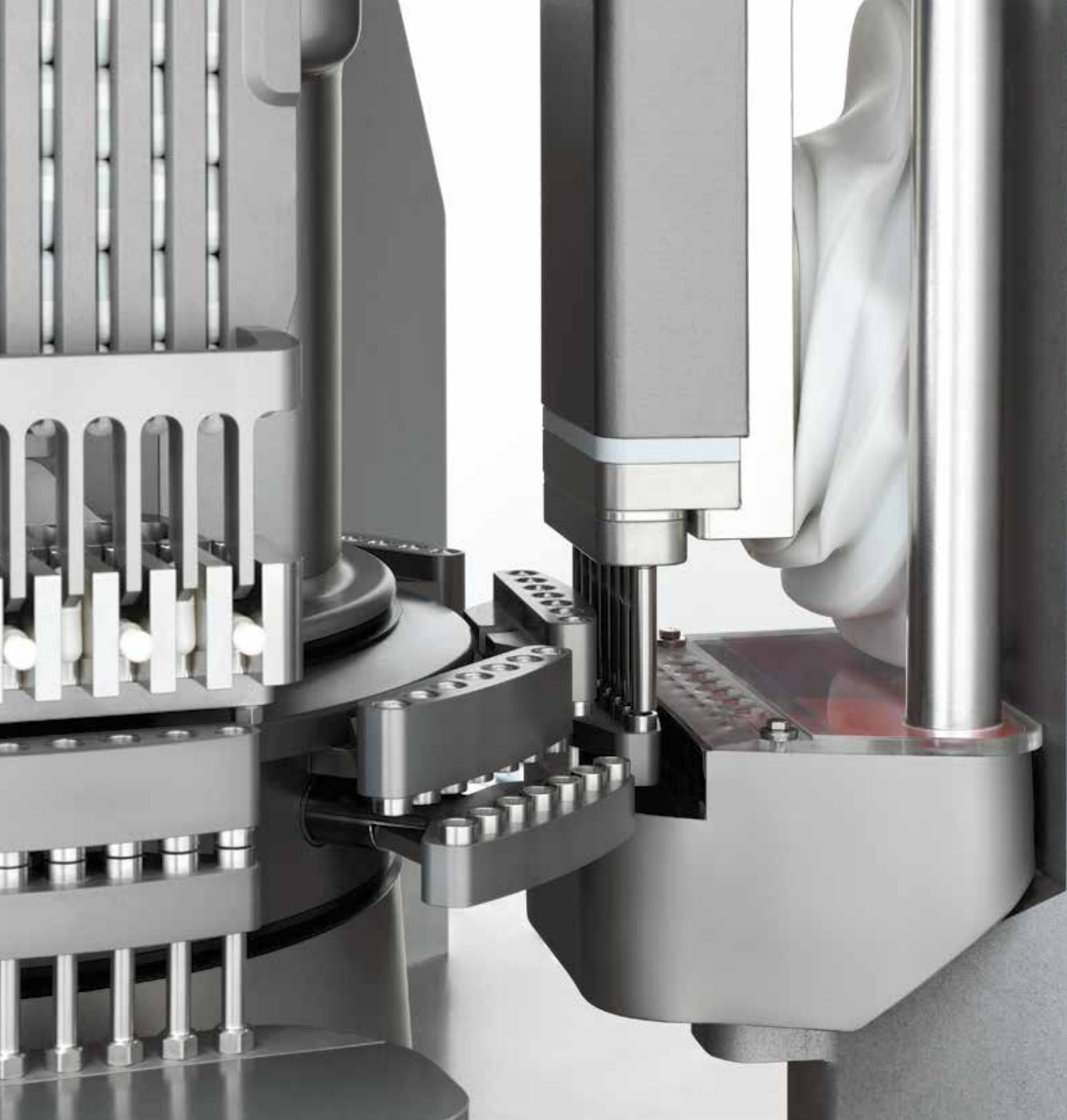



Inside the processing area, positioned at the centre of the transport plate, the capsule infeed unit is fully visible while the process is ongoing. Easy inspection results in superior quality of the final pharmaceutical product. This smart design also leads to great accessibility: the processing area is fully accessible once the external panels are opened, making for quicker cleaning and maintenance operations.

Central capsule infeed







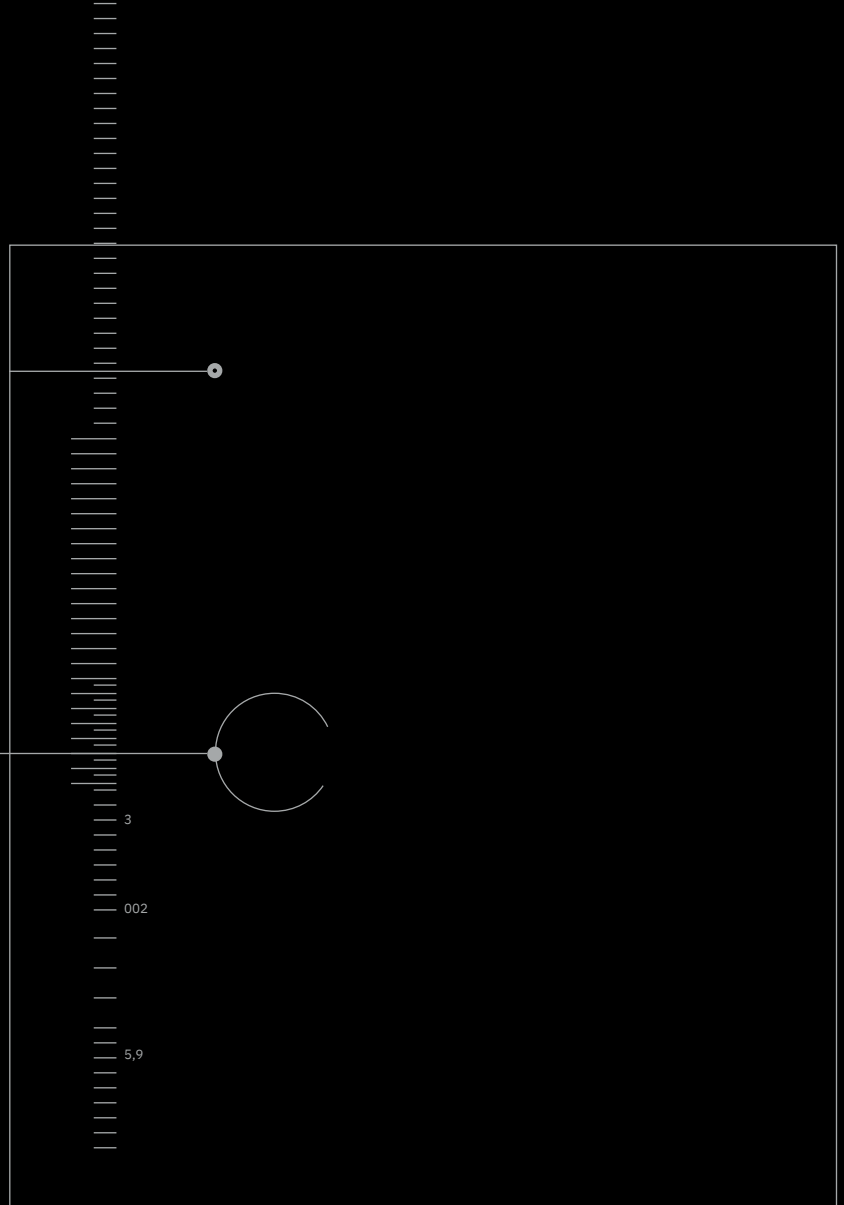
A technical diagram of a dosing system. It features a large circular arc on the left side. A curved line with tick marks runs along the inner edge of this arc, with numerical labels '382,1' and '73,09' at different points. Below this arc, there is a series of seven small circles, each with a vertical line passing through its center. A dotted line extends from the bottom of the diagram towards the right, where it points to a text box. The background is dark grey with some faint geometric shapes in the corners.

ADAPTA 50 fits new special dosators for DPLs and can accurately adjust the dosing chamber. Dosing precision is enhanced by soft linear motor movements which ensure minimum product losses even at high speed. The use of electrical motorization makes for endless adjustment capability of the filling unit, tailoring set-up of each product and optimizing dosing precision.

Adjustable dosing system

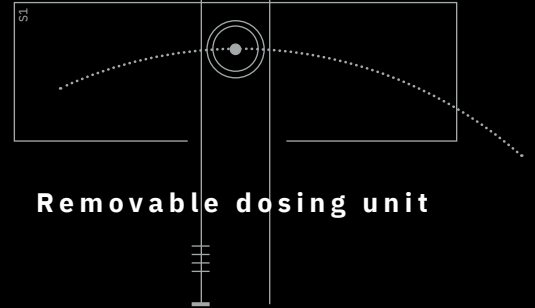
Built-in upside down scale

ADAPTA 50 fits an innovative upside down scale, which ensures maximum accuracy in weight control by checking the capsules in suspension. This system allows for 100% gravimetric net weight control also in the case of product combination. Its integrated design guarantees in-line control and a shorter feedback loop, while ensuring minimum encumbrance in the processing area: the best precision in the least space.







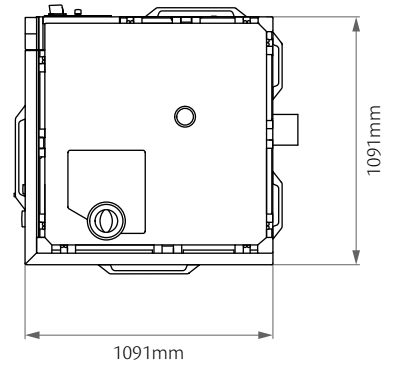
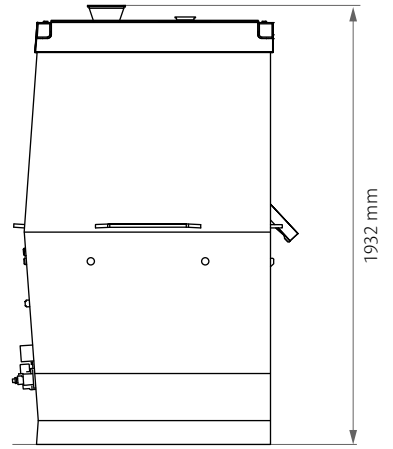


Removable dosing unit

ADAPTA 50 is designed to dose up to three products in the same capsule. The dosing units are easily removable and interchangeable, allowing a plug-and-play shift among different machine configurations and filling combinations. This exceptional flexibility makes ADAPTA 50 capable of meeting the ever changing requirements of the market and of optimizing maintenance operations.

Technical data

Maximum output	50,000 capsules/hour
Number of capsules per cycle	7
Capsule size	5-000, DB E-AA
Maximum installed power	12.5 kW
Aspiration	4,800 litres/minute - 3,100 mm H ₂ O
Compressed air	100 litres/minute - 6 bar
Vacuum	100 m ³ /h - 3 mbar (abs.)
Standard voltage	400 V - 50 Hz
Weight	1,300 kg

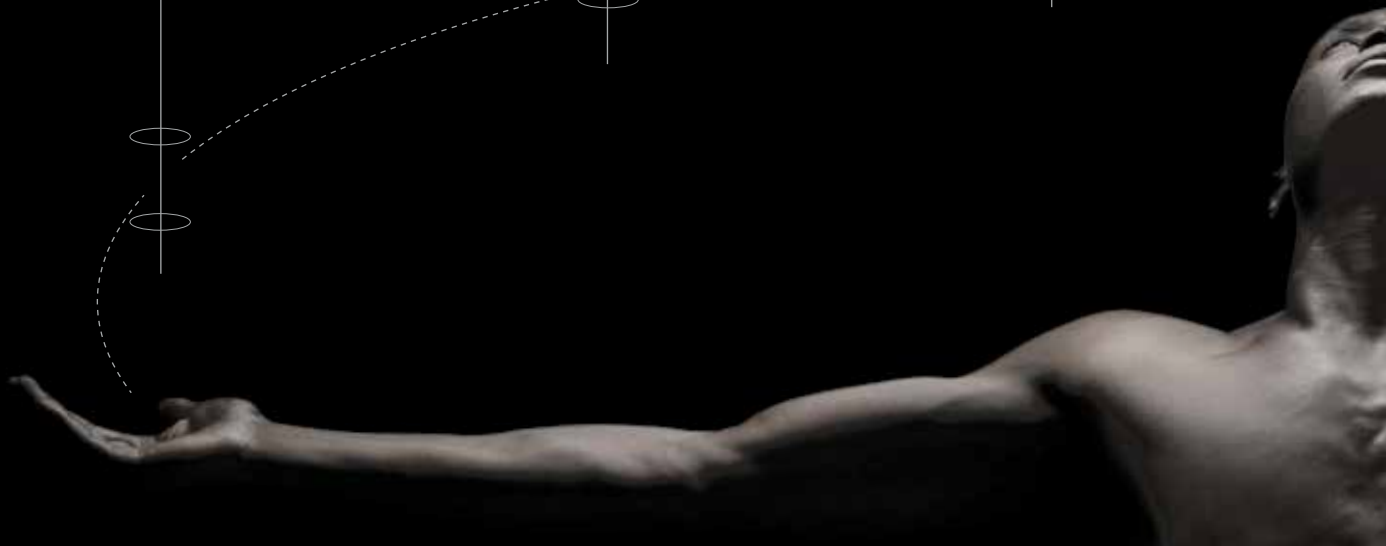


Adapta 50.
More than
a machine.

「1」
Corporate HMI

Central capsule infeed

「2」



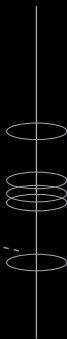
Adjustable dosing system

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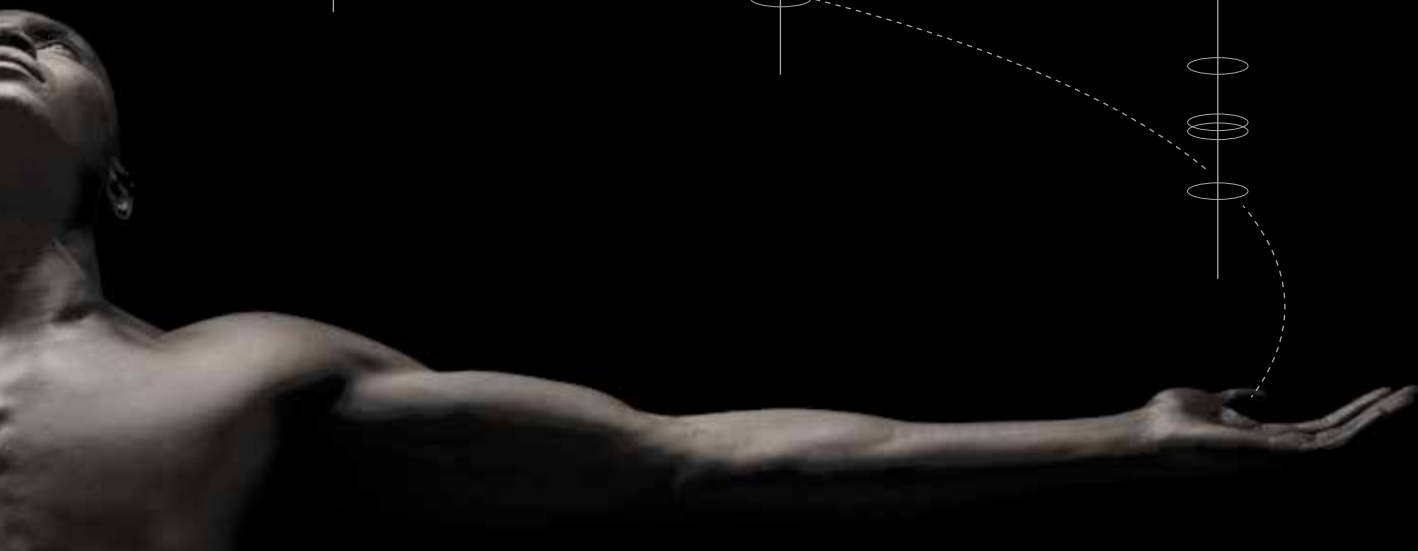
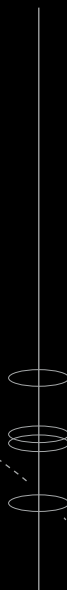
Built-in upside down scale

「4」



Removable dosing unit

「5」



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adapta50.ima.it



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