



Packaging and
Automation Solutions



Our history

The first Farmo Res thermoformer for packing pharmaceutical ampules was built 1960 in Milan, by a company active in the cardboard converting, starting a new business unit for machinery.

In 1970 a location in Cervia was founded, where the machinery business unit became independent in 1985, with the name Farmo Res. During those years the machines range was significantly extended, offering various solutions for the production of suppositories and the packaging in thermoformed blisters of pharmaceutical products, mostly syringes, ampules and vials. In the first years of 2000, triggered by changes in the commercial partnership, Farmo Res extends and consolidates its worldwide sales organisation through partnerships with local agents and dealers, for offering local technical support as well as complete lines, in cooperation with other manufacturers. In more than 60 years of activity, Farmo Res has ac-

quired a significant experience and specialization, focusing on the requirements of the pharmaceutical sector, while also applying the competences to other sectors, such as food, toiletry/cosmetics and consumer goods. In order to satisfy the most demanding requirements of its Customers, the equipment is continuously updated to the best technology available from the market. The consolidated internal competences in the mechanical, electrical and software design is extended to automated solutions for loading and unloading of the products, vision systems for various optical controls and further customization upon the user's specific demands.



Farmo Res, today

With 80 employees, Farmo Res disposes of all relevant competences for developing, designing and assembling its machine range, with high flexibility in realizing mostly significant personalization contents.

For the manufacturing of the main mechanical components, Farmo Res leans on a consolidated network of local specialized suppliers, which grant the required quality level and can quickly react to the requested volumes and lead times. The internal manufacturing is restricted to the strategic needs, mainly related to flexibility, prototyping and specific know-how.

An internal team of product and sales specialists supports the presence in the main markets worldwide through local partners. The Customer Service is granted by a dedicated structure for the technical support and the delivery of spare parts, which are still available for equipment delivered before the year 2000.

Company's Values

family owned and managed, in the meantime by the second generation, strongly rooted in the territory lean structure with

quick reaction times to the Customer's requests

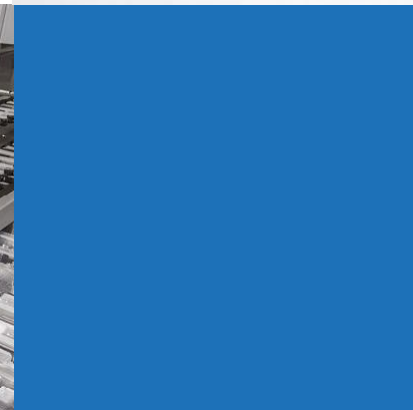
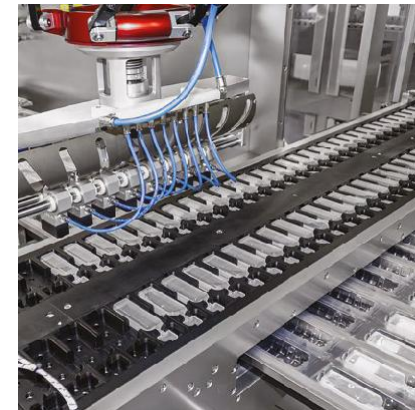
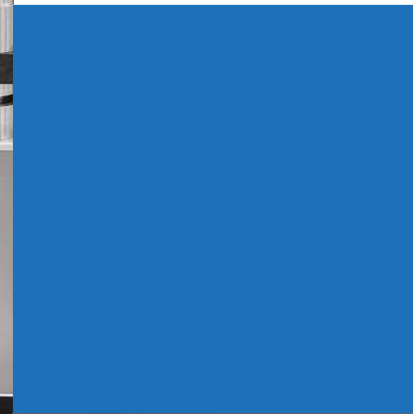
- we believe in long-lasting relationship, based on satisfying the Customer's expectations during the equipment's entire lifetime
- all core competences are internal (mechanical, electrical and software design, assembling) deep, long-term experience and specialization
- worldwide installed base (over 500 machines in operation) high flexibility
- in the design and realization of the equipment
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Prima K7

- / full balcony style frame construction, with total separation between the functional and the technical area, according to the most stringent GMP directives for the pharmaceutical equipment
- / particularly suitable for the secondary packaging of syringes, ampoules, vials and bottles, with dedicated feeding and loading systems
- / solutions for powders and liquids, with specific tanks
- / automated solutions for loading and unloading (pick & place, robots), directly controlled by the main machine's PLC

- / option of MAP
- / every functional group (advance, forming, sealing, cutting, etc.) has its specific servomotor drive
- / internally developed and built FARMOVISION camera control systems, integrated in the machine's main control unit
- / high degree of personalisation
- / execution for food applications (single dose units, solid, semi-solid and liquid products)

- Mechanical performance up to 40 cycles/min – effective performance as function of the package geometry, material features and product to be packed
- Up to 600 syringes/min or 1.200 ampoules/min
- Various versions in terms of web width and cutoff-length
- Thermoformable materials: PET, rPET, A-PET, PET-G, PP, PS, PVC or other thermoplastic materials



KN260N

/ very versatile machine, suitable for pharmaceutical, cosmetic, industrial and food applications

/ several executions for consumer goods, also in combination with cardboard: wallet, stand-up blister, re-closable, euro-slot, etc.

/ Fully automated feeding, loading and unloading

systems, directly controlled by the main machine's PLC

/ internally developed and built FARMOVISION camera control systems, integrated in the machine's main control unit

/ high degree of personalisation

- Mechanical performance up to 40 cycles/min – effective performance as function of the package geometry, material features and product to be packed
- Max. forming area 260 x 260 mm
- Thermoformable materials: PET, rPET, A-PET, PET-G, PP, PS, PVC or other thermoplastic materials



FarmoDue

The product line FarmoDue consists in vertical thermoformers for the production of suppositories as well as liquids, creams, semi-solid products and powders, using thermoformable laminated plastic or aluminium foil.

- / forming of plastic laminate and aluminium foil is possible on the same machine
- / control of film splice and micro holes in the forming (PVC), with deactivation of the filling and automatic reject
- / easy access for setting, cleaning and maintenance
- / comfortable and fast format changeover, with
- limited weight and dimensions of single parts
- / dosage pump unit with high dosing precision, easy to disassemble and sanitize
- / cooling tunnel of the strips with linear advance, for highest cooling efficiency and easy access for inspection and maintenance

Versions for 5.000, 11.000, 22.000 and 30.000 suppositories/hour and for 10.000 and 20.000 monodose/hour

- Various options for the product tank and for further personalization
-



Sicura 245

The new evolution for the vertical filling of single dose units, in full balcony style, for pharmaceutical products, cosmetics and food.

- / up to 25.000 units/hour
- / dosage max. 100 ml
- / dosage under close-to sterile conditions (treatment of the laminate with UV + laminar flow)
- / nitrogen flushing
- / easy-opening with pre-cut



Machines for packaging of contact lenses in pre-formed trays

- / automatic blister loading
- / personalized format of strips
- / stations for liquid dosage, product loading, inspection with camera vision system, application and sealing of lidding foil, variable data printing, stacking of strips in magazines in the exit area

De-Nesting and Re-Nesting of syringes in tubs

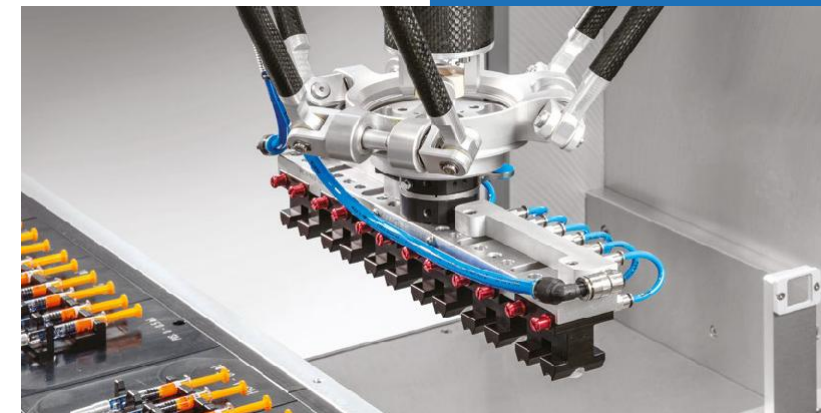
- / various solutions for automatic handling with robots
- / execution as stand-alone or in combination with our thermoformer and/or other machines up- and downstream
- / buffering systems for full tubs, stacking/unstacking units for empty tubs
- / 2 versions: 200 e 400 syringes/min

Loading and handling systems

- / stand-alone loading units for syringes or other products
- / highly customized solutions for handling and transfer, with high automation level

Packaging with environmentally sustainable materials

- / for syringes, vials and ampules
- / the BioRes K7, an automatic forming machine in recycled cardboard trays





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