



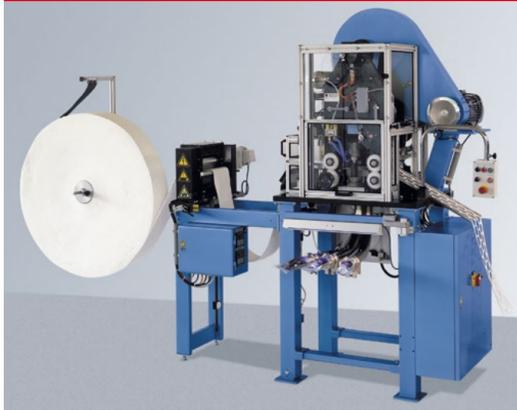
Falu offers quite a range of cotton pad production equipment. Whatever your needs are, we have the right solution for you. Shapes of and patterns on the pad are almost without limits.

The pattern of cotton pads can be easily changed with the use of an embossing cylinder, available as separate tool. This additional unit enables, prior to confection, to emboss

cotton pads with any desired design. Embossing makes the pad look more attractive and improves its stability.

Falu cotton pad machines can produce pads in different formats, with or without stitched edges. The cotton pads can be made of the following materials: 100% cotton, 100% rayon or any desired combination of cotton and rayon. Talk to us, we will find the solution to your needs.

Cotton Pad Production Machine WR-600 family



Semi-automatic production of various shapes of cotton pads. Depending on the size of the cotton pad, the machine has a capacity up to 960 pads per minute. The final product is filled by an operator into the package (for example into polyethylene bags).



Cotton Pad Production Machine WR-900 family

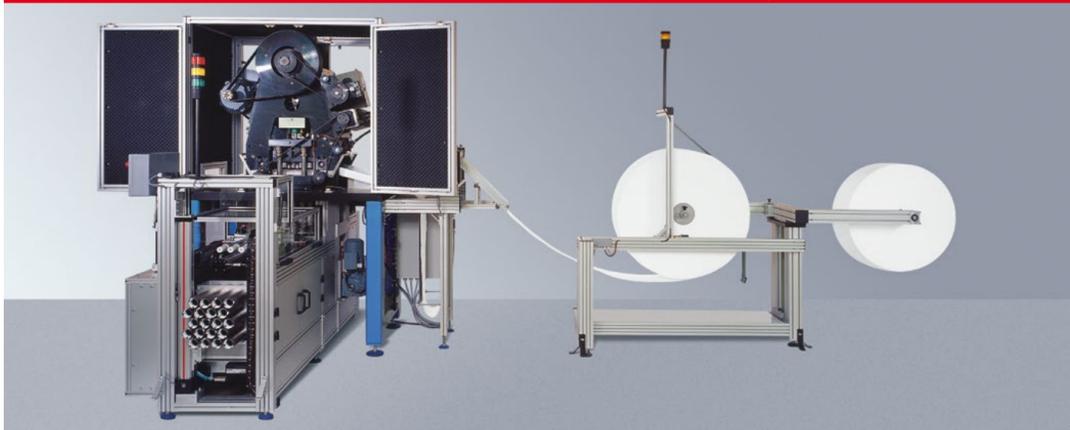
This machine is currently being engineered. It is an extension of the WR-600 family who's proven and reliable design has withstood decades.

The WR-900 offers the robustness of the WR-600 family combined with the comfortable fully automatic parameter adjustment of the WR-2100S. An interface for automatic packaging is in planning.

This machine is designed for flexibility and best suited for factories with a desire to enter the pad market or for production of formats with lower volumes where change over time is of the essence.

Let us know your interest and your requirements so we can consider these in the design.

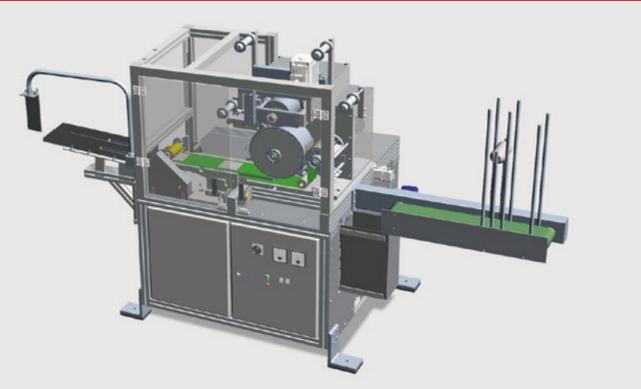
Cotton Pad Production Machine WR-2100-S family



Purpose of the machine FALU WR-2100-S is the fully automatic high speed production of cotton pads and has to be combined with a fully automatic packaging machine (i.e. FALU RB-2 or OPTIMA).

The capacity reaches a maximum of 6'000 pads per minute, depending on shape and package size.

Cotton Pad Packaging Machine VP-2



Silently and efficiently the VP-2 machines cuts square and rectangular pads with no waste. An automatic packaging solution is under way making this an extremely beneficial and economical machine.

Speed:
up to 1000 pads per minute; also depending on pad size and shape

Cotton Pad Packaging Machine RB-2



FALU RB-2 is a fully automated bagging and packaging machine for cotton pads and related products.

It fills the bags automatically with cotton pads and seals them. It enables the use of a wide range of bags. The machine has to be connected to the Interface of the cotton pad machine FALU WR-2000 and 2100-S series.

It has a capacity of up to 52 bags per minute, depending on the bag size.

A bag typically contains between 25 and 140 cotton pads.

Automatic Packing Machine for pre moisturised Pads: the KPD

Why moisturise a dry pad with liquids from a bottle if you can pick an already wet pad from a box or a can? Pre-moisturised pads address the desire for convenience of the consumer and are expected to show significant market growth in the future. FALU KPD is an automatic packaging machine for the production of moisturised pads working in combination with a FALU WR-600 or a

FALU WR2100-SP cotton pad machine. The output of the machines vary between 15 to 63 containers per minute. The machine fills the containers with the preselected number of pads and moves them forward to the next station where the pads are moisturised and the can is sealed and closed.



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Cotton Swab and Cotton Pad Production and Packaging machines, Special Solutions

More than 50 YEARS OF WORLDWIDE EXPERIENCE in cotton converting and packaging machines

- Proven and reliable machinery from Switzerland
- Branch leaders work successfully with Falu for many years
- Efficient and reliable After Sales Service as Falu machines are standardized and uniform throughout
- Lifelong spare parts supply for Falu machinery
- Well trained engineers are available at short notice
- Supply of Bellini & Meda technology as 2012 Falu purchased cotton swab business including all rights to machinery and customer base



Cotton swab production machine CB-4.0; a logical extension of the CB-1 Family.

FALU®



CB-4.0 continues the successful modularity concept of the CB family. Along the way you can add functionality and packaging solutions step by step to your machine making the best use of your initial investment. Additional modules and features are under development continuously and are mostly compatible with the CB-family! The latest module is the 4.0 connectivity module to your Falu swab machines leading the way to the industry 4.0 concept.

Machine Specifications of CB-4.0

The machine is equipped with the following features:

- Increased productivity through higher speed: the machine is capable of running mechanical speed in excess of 3'100 swabs per minute, operational production speed approx. 2'800-2'900 swabs per minute.
- Improved quality control system ensuring that neither tips nor swabs are missing in the package
- Relevant process parameters like speed, quantity of the starch/water mixture, cotton volume and many others can be controlled at operation panel with an integrated touch-screen
- Better management of process and operator through availability of actual data from the controller (PLC) of the machine at individual module level. The data can be collected via Ethernet per machine and transmitted into a central computer at the manager's office through the modern and proven Siemens S7/1200 controller with Ethernet connection.
- New design of stick magazine for increased tolerance to the raw material
- Ergonomic stacking of stick cartons: reloading of the stick cartons at a more ergonomic height (reloading by machine operator possible in any case)
- Automatic up and down movement of the cotton feeder
- Precise control of swab forming through pneumatic pressure adjustment
- Heating unit on the secondary chain to pre-dry the cotton swabs before packing

Mayor modules to the CB4.0:

Dryer: An industrial energy efficient and very compact dryer enables to work with higher moisture content for nicer tips and ensure dry swabs before packaging

Quality Control: revised quality control system working with a reliability of better than 1 ppm

Draft Module / Cotton feeding: Working with higher grammage cotton sliver typically combined with increased precision of cotton cutting allows increased production efficiency and higher quality of the cotton tips

Hot Melt: Very precise glue application due to high performance unit and specialized Falu-designed glue applying head; application of glue synchronized to the machine speed; universal use of all kind of stick material

Industry 4.0: The connectivity concept allows collection of machine operating data and transmitting these to Falu via a "data cloud". This allows remote diagnostics and subsequently precise maintenance programs maximising the performance of the machines. A benchmark program comparing machine functionality with peers on an anonymous base further enhances the continuous improvement of processes in the factory.

You set the corner stone of your swab business and keep building in exactly the speed and requirements your business has. We are here to analyse and consider your current needs for the swab production and provide you with more information and advice. Please be in touch with us.

Packaging machine for round boxes RB-30A



RB-30A is a fully automatic cotton swab packaging machine for round boxes to be combined with a Falu cotton swab machine.

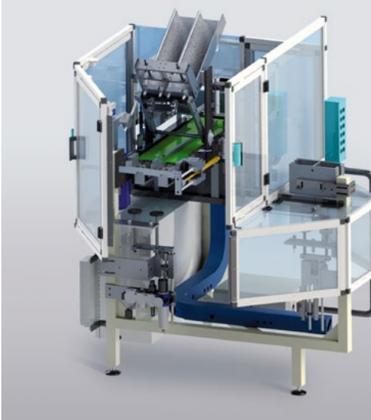
The machine has automatic units for the dispensing of round boxes, lids and closing of the lids. It guarantees a reliable and gentle product handling and delivers high-quality finished products.

Depending on the size of the box, the capacity of the machine is up to 30 round boxes per minute.

The round boxes typically contain from 50 to 300 swabs.



Packaging machine for square or rectangular boxes SQB-2A



The SQB-2A is a fully automatic cotton swab packaging machine for square or rectangular boxes to be combined with a Falu cotton swab machine. It has a capacity of up to 30 boxes per minute, covers a wide range of boxes and it assures high-quality finished products. Every box typically contains from 100 to 300 swabs.

The material of the boxes can be plastic or card board



Cotton packaging machine for card board boxes SV-2-S



The cardboard box presents the swabs in the most appealing fashion pointing out the quality of the product. The printing on the box offers various designs.

The boxes are packed by the FALU SV-2-S, a fully automatic cardboard-box packaging machine to be combined with a Falu cotton swab machine. The cardboard boxes are also an ideal and space saver package for cotton swab. The packaging machine has a capacity of up to 26 boxes per minute; every card board box typically contains from 50 to 300 swabs.



Packaging machine for polyethylen bags BV-2



FALU BV-2A is a fully automatic bag packaging machine to be coupled with a FALU cotton swab machine. The cotton swabs are automatically packed into bags which are subsequently sealed by an integrated welding station. The packaging machine has a capacity of up to 16 bags per minute.

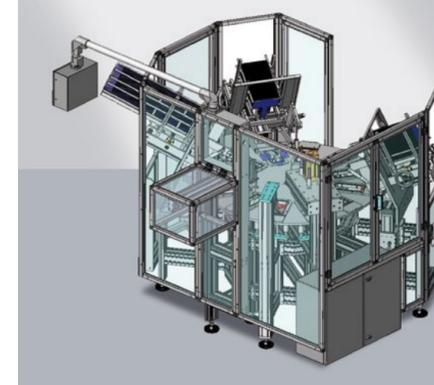
A bag typically contains from 60 to 300 swabs. The bag can be a zip lock bag or a draw string bag.

For highest automation in high labour cost industrial zones like Western Europe or North America an add-on module will place your poly bag packages layer by layer into the bigger container, usually a card board box.

FALU BV-2M is a semi-automatic bag packaging machine to be combined with a Falu cotton swab machine. After the bags are placed at the machine by the operator, the machine fills the cotton swabs automatically into the plastic bags; the bag is then sealed by the operator at a separate welding station. The packaging machine has a capacity of up to 20 bags per minute.



Packaging machine for blister packages BL-12



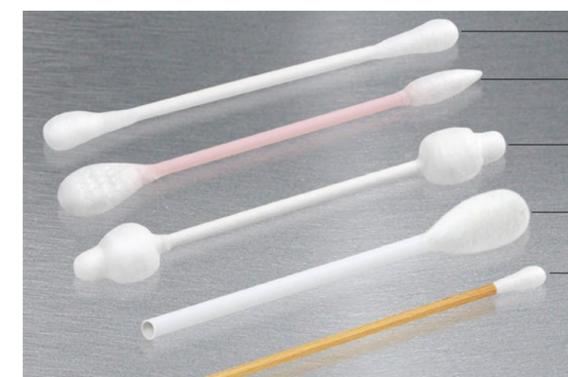
Blister packages can be made in various sizes from 50 up to 750 swabs per blister container. It is the package making full use of your high speed swab machine keeping costs down and volumes up. The machines produces 20 boxes per minute.



With the Falu cotton swab machines you can produce different cotton head shapes upon request:

- standard swabs of different shapes and sizes
- safety (baby) swabs
- cosmetic swabs
- medical swabs

Challenge us with your special shape!



Standard Swabs

Cosmetic Swabs

Baby Swabs / Safety Swabs

Medical Swabs

Medical Swabs