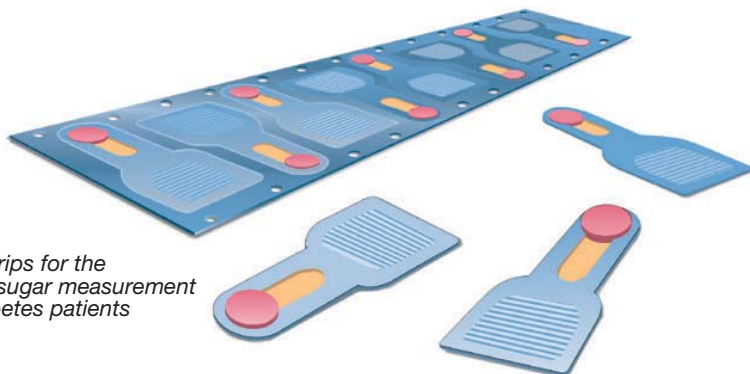


Production of diagnostic products

Sophisticated engineering for wide range of products.



Test strips for the blood sugar measurement of diabetes patients



Felt pads saturated with diagnostic liquid are introduced into capsules. Color-coded dispenser tubes ensured safe differentiation in the laboratory

Diagnostic products are being used with ever greater frequency, both in laboratory analysis and in the area of self-diagnosis.

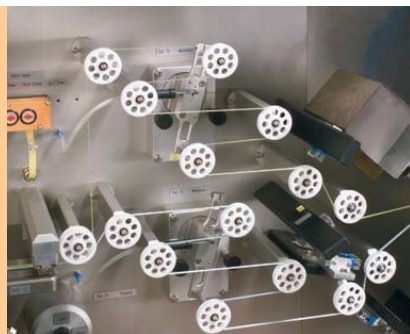
In the manufacture of diagnostics products tasks are incurred such as the following:

- the processing of foils/films of extremely different shapes, functions and stretching properties
- complex assembly and joining processes of components
- joining options, e.g.
 - the use of felt pads saturated with the active substance in carrier capsules
 - the introduction into bulk dispensers
 - packaging of diagnostics products into dispenser
- dosing of diagnostic substances, consisting of powders, liquids etc. in Clean Room conditions

As these products correspond with the analysis instrument and include the analysis substance, the product lines are specially designed for efficient and exact processing. This requires very precise processes for procedures such as die-cutting, cutting and laminating as well as general handling of the product.



Precise die-cuts by means of servo-controlled tools



Handling of highly sensitive materials



Feeding of filled diagnostic capsules into an assembly machine

Filling liquids in the diagnostics sector

Process technology with dosing in perfection.



In this machine, cartridges are filled with two different analysis liquids and then sealed with a foil. These suspension liquids contain micro-particles enveloped with glass.

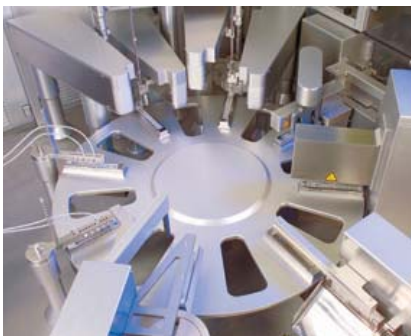
The liquid is agitated permanently to generate a homogenous mass. In addition, the precise and variable filling of extremely diverse cavity combinations places high demands on the machine concept.

Special features of the line:

- Three supporting production processes on a very small footprint:
 - Individual product conveyance and alignment of the cartridges on insertion into the turret
 - Highly exact dosing of analysis liquids
 - Precise processing of the sealing web
- "Laminar Air Flow" for a sterile product environment



You will find further informations in our brochure "Pharma Solutions"



The core of the machine is the turret



Dosing liquid with peristaltic pumps