

# Assembly technique for diagnostic units

## System solutions with integrated processes.



For analysis purposes cartridges are filled with two different analysis liquids and then sealed with a foil:

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 production environment

### Technical data, cartridges

**Output:** 15 – 20 cartridges / minute

In another production line concept, either cartridges or vials are filled with liquid product and then coded.



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

- Processing of foils/films of extremely varying shapes, functions and stretching properties
- Complex assembly and joining processes of components
- Joining options, e.g.
  - Use of felt pads saturated with the active substance in carrier capsules
  - Introduction into bulk dispensers
  - End-packaging of diagnostics products into dispensers
- Dosing of diagnostic substances, consisting of powders, liquids etc. in Clean Room conditions

### Technical data, dispensers

#### Output:

|                        |                    |
|------------------------|--------------------|
| Die-cutting machine:   | 60 cycles / minute |
| Assembly machine:      | 10 cycles / minute |
| Gauze pads / capsules: | 240 / minute       |
| Products:              | 40 units / minute  |

depending on the respective application



Turret for assembly and dosing



Feeding of filled diagnostic capsules into an assembly machine