



OPTIMA Machine Solutions for Filtration Technology

OPTIMA
EXCELLENCE IN PACKAGING

Member of



Technologies

1) Component feeding

- ▶ Nested components
- ▶ Conveyor fed pieces
- ▶ Sorting / unscrambling
- ▶ Manual insertion



2) Dosing and filling

- ▶ Gravimetric filling weighers
- ▶ Auger dosing systems including feedback control
- ▶ Volumetric dosing systems



3) Component assembly

- ▶ Magazines for stacked components
- ▶ Sorting equipment for bulk component feeding
- ▶ Tailor made solutions



4) Sealing / Welding

- ▶ Ultrasonic welding
- ▶ Rotation welding
- ▶ Vibration welding
- ▶ Thermo sealing technologies



5) Coding, labelling and inline inspection

- ▶ Laser, inkjet, thermo transfer printers
- ▶ Mechanical and optical inline inspections, weight control
- ▶ Track & Trace applications



6) End of Line

- ▶ Case and tray packing
- ▶ Labeling/coding
- ▶ Cartoning
- ▶ Palletizing



Filtration Technology



Optima Consumer offers machine solutions customized to your requirements for individual applications. **Benefit from our extensive product portfolio** – from laboratory machines through to high performance lines!

"The solution for every application"

- Manual filling
- Semi-automatic
- Fully automatic
- Turnkey

Products

- ▶ Water filters, respiration and dialysis filter cartridges
- ▶ Cartridges for anesthesia equipment
- ▶ Single and multi-chamber filters



up to **10** containers/min.



Figure shows an example:
OPTIMA SD2

up to **30** containers/min.



Figure shows an example:
OPTIMA FC2

Your competent partner

You can rely on our extensive experience in the assembly and packaging of filter cartridges when planning your new plants.

We utilize state-of-the-art technology guaranteeing maximum process accuracy and highest product quality in manufacturing of filters.

OPTIMA Expertise

- Water filters
- Respiration filters
- Dialysis filters

Machine Solutions

- ▶ Dosing systems
- ▶ Filter assembly machines
- ▶ Line solutions based on your project requirements

Technology

- ▶ De-stacking, filling, assembly of components, welding (ultrasonic/spin welding), coding, labeling, handling, primary and secondary packaging, palletizing and more

up to **120** containers/min.



Figure shows an example:
OPTIMA MODULINE
integrated into a turnkey system

Processes

The manufacturing of filtration products for air, water and dialysis requires a combination of know-how and several manufacturing processes.

Beginning with handling, de-stacking and feeding of containers or individual components and includes precision filling (volume or weight), assembly, closing, coding and transfer into trays.

OPTIMA Turnkey

- Process reliability
- Product quality
- Risk minimization

Application-related plant line concepts

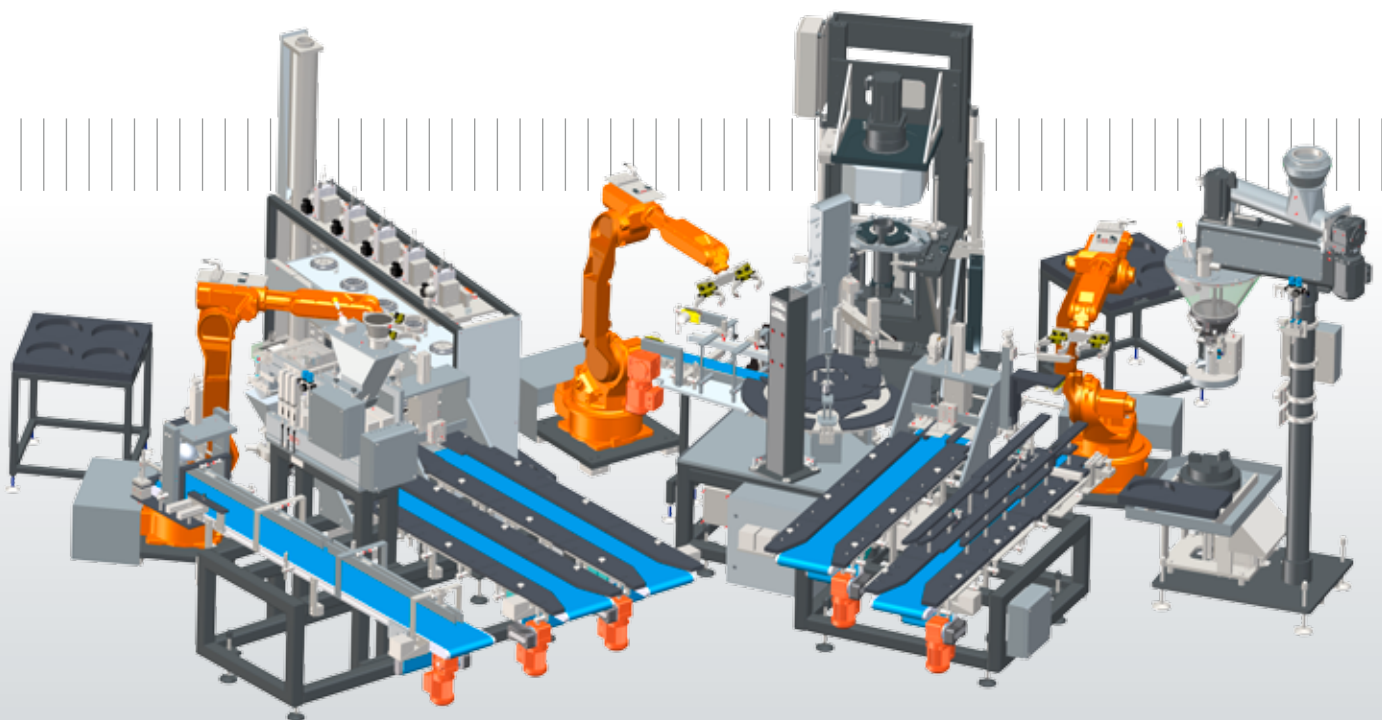


Figure shows an example:
Turnkey plant line

More information:

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