



DRYING TECHNOLOGY EVAPORATION TECHNOLOGY EXTRACTION TECHNOLOGY



Process engineering expertise Made in Germany

Member of the KAHL Group

family owned since 1879

- Members:
 - AMANDUS KAHL
 - SCHULE MÜHLENBAU
 - DEVEX Verfahrenstechnik
 - HEINEN FREEZING
 - NEUHAUS NEOTEC
- 900 employees in total
- Turnover 250€ mio./ year





Evaporation Plants



Extraction Plants



Process Equipment



Continuous Dryers



High Concentrators/ UHT



Instant Coffee Plants



Batch Dryers



Distillation Plants

Industry Sectors



Extraction Plants



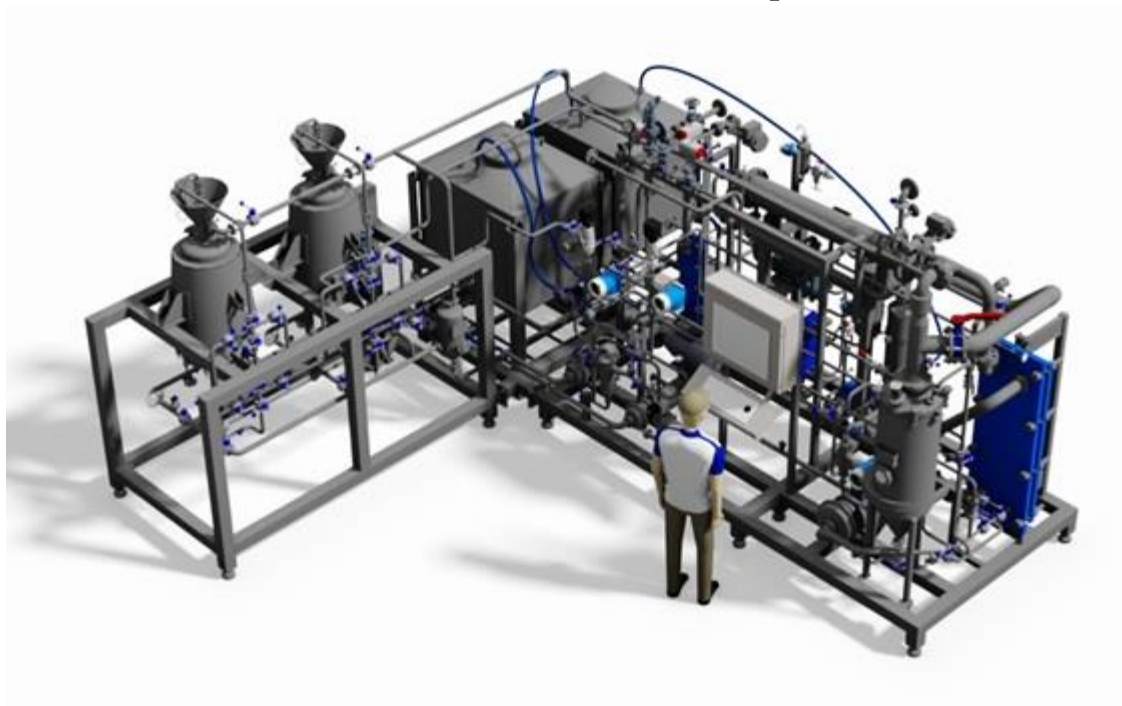
- -1 up to 0,5 or 3 bar
- High Pressure Extractors
- Volume 100L/ 10 m³
- Single-/ Multistage Extraction
- Pilot Extraction Plants
- Distillation
- Automatic feed/ discharge
- CE, FDA, GMP, PED

Evaporation Plants

- Plate-Heat-Evaporators
- Tube-Bundle-Heat-Evaporators
- Falling Film Evaporators (MVR / TVR)
- Flash-Evaporators
- Agitator-Evaporators
- Pilot-Evaporators
- Starting from 100 liters/hour up to ...
- CE, FDA, GMP, PED



Pilot Plants: combined Extraction/Evaporation



Batch Drying



Pilot Vacuum-/ Freeze-Belt-Dryer

- Continuous operation
- Batch operation
- Vacuum drying
- Freeze drying
- Liquid-freeze drying

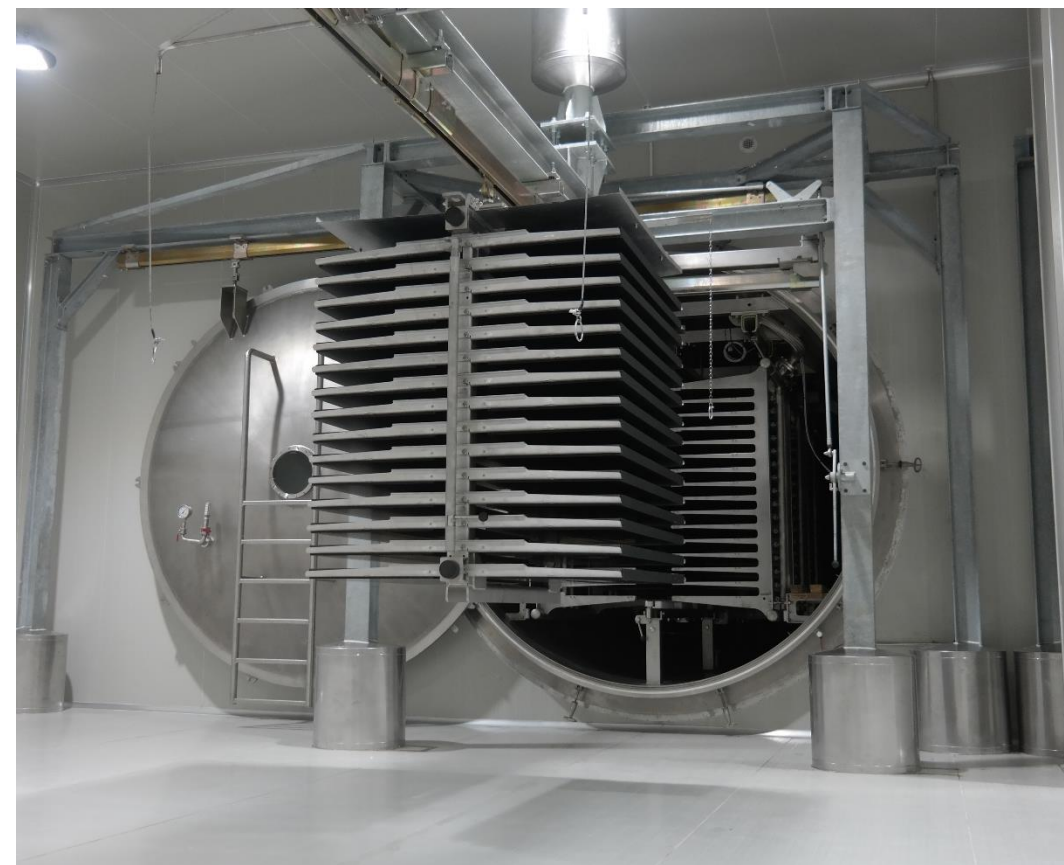


Vacuum/ Freeze-/ Liquid Freeze-Drying

Continuous Operation



Batch Operation

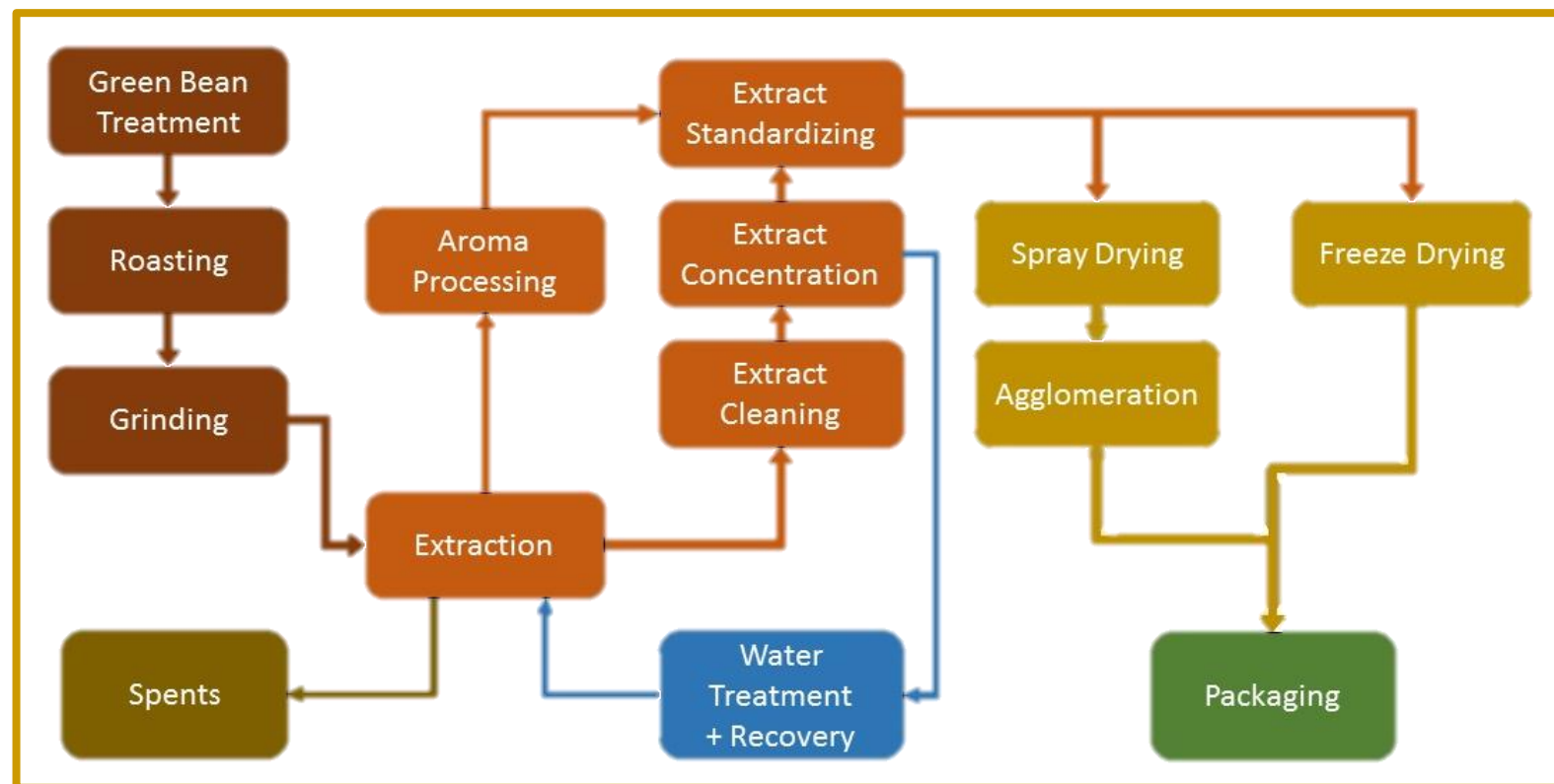






Instant Coffee Plants

- Green bean handling
- Roasting
- Extraction
- Aroma Recovery
- Evaporation/ Concentration
- Vacuum Drying
- Freeze Drying
- Spray Drying/ Agglomeration
- Vapourisation/ Steaming





DEVEX Innovation Centre

- ✓ Execute trials based on client's specification
- ✓ Product development for and together with the client
- ✓ Execute first R&D trials for new processes
- ✓ Verifying lab parameters in a first scale up
- ✓ Define process parameters for future production scale
- ✓ Easy upscaling to industrial size





DEVEX
Verfahrenstechnik GmbH
Extraction and Drying

**NEUHAUS
NEOTEC**
Coffee Technologies

**NEUHAUS
NEOTEC**
Particle Technologies

DEVEX Innovation Centre – perfect for R&D and product development

You are welcome to join us during trials in the Innovation Centre

Contact DEVEX: info@devex-gmbh.de – Phone: +49 2581 927230 – www.devex-gmbh.de

Thank you for your attention

- KAHL Group
- Extraction Plants
- Evaporation Plants
- Combined Pilot Plant
- Drying technology
- Pilot Vacuum-/ Freeze-Belt-Dryer
- Instant Coffee Plants

