

# Areas and ranges of application

Ejectors  
Vacuum technology

Waste gas cleaning  
Environmental technology





## Evaporation technology

Körting thermocompressors in evaporation plants or as compressors to adjust pressure levels in steam networks

- optimum energy utilisation
- many years of experience
- on-going further development
- worldwide leading in this field



## Fertiliser production

Körting HP-Ejectors for re-feeding the carbamate solution in urea reactors, multi-stage steam jet vacuum plants. Boosters and condensers are designed especially for

- requirements prevailing at urea evaporation stages
- particularly economical
- guarantee for trouble-free operation
- absolutely worldwide leading in this field



## Paper production

Körting steam jet compressors allow for

- sensitive process control
- uniform temperature distribution
- continuous steam recirculation

and they are important for high product quality.



## Petrol refineries

Multi-stage vacuum systems with exactly coordinated steam jet vacuum ejectors and surface condensers with our own developed design software

- optimised consumption
- operational reliability

## Shipbuilding

Körting water jet ejectors with high suction capacity

- for bilging inaccessible tank and ballast spaces
- for conveying solids
- for fresh water generation



## Edible oil processing

Körting steam jet ejectors can be found in nearly all important process stages of the edible oil production. Specially developed systems with closed water circuits, cold water systems as well as ice condensation plants guarantee

- energy saving
- environmental protection
- reliability



## Chemical industry

Körting supplies customised solutions for vacuum generation from 0.01 mbar suction pressure and from 0.5 kg/h suction flow

- high operational safety



## Steel degassing

Körting steam jet vacuum ejectors for degassing during steel production

- high suction performance
- low space requirements
- low investment and operating costs
- almost maintenance-free







## Power plants

Körting turbine condensers as well as steam and water jet vacuum ejectors for condenser exhauster applications have been firm components of steam power plants for many decades now and allow

- best possible heat recovery
- lowering of energy consumption



## Polyester production

Körting glycol steam jet vacuum plants

- minimise operating and maintenance costs
- lead to an exceptionally high operational safety
- minimise environmental impact



## Oleochemistry

Reliable vacuum systems for diverse process steps such as

- drying
- distillation
- fractionating
- transesterification

during production of

- biodiesel
- fatty acids
- soaps
- glycerine



## Chilling Crystallisation

Körting vacuum chilling plants for generating cold water and for crystallisation processes

- environment-friendly
- energy saving

## Gas cleaning

Körting gas scrubbing plants with the components

- Jet scrubber
- Venturi scrubber

have been utilised successfully for decades for

- cooling
- physical and chemical absorption
- dedusting



## Droplet separation

Körting swirl droplet separator make an essential contribution towards the observation of emission codes and therefore towards the protection of the environment

- in gas scrubbing and vacuum plants
- for condensate separation in chimney stacks
- in evaporating plants
- for the separation of difficult products (e.g. those with a tendency to polymerisation)



## Water treatment

Körting ejectors are applied as the centre piece of gas introduction systems

- for waste water aeration
- to introduce ozone and oxygen
- in the pressurised dissolved air flotation
- for disinfecting potable water and de-acidification

Furthermore, also for diluting and conveying of acids and lyes and for the regeneration of ion exchangers.



## Textile finishing

Körting Caustic Recovery Plants (CRP) for recovering mercerising lye

- turn mercerising waste water into money
- payback time < 1 year
- global market leader in Caustic Recovery Plants (CRP)
- nearly 100 % recovery rate
- sustainability in the mercerisation process





FED s.r.l.

Via dei Valtorta, 2  
20127 MILANO  
Italy

Tel.: +39 02 26826332

Fax: +39 02 26140150

E-mail: [fed@fed.it](mailto:fed@fed.it)

[www.fed.it](http://www.fed.it)