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

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.

Chilling
Crystallisation
Körting vacuum chilling plants for generating cold water and for crystallisation processes
- environment-friendly
- energy saving

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