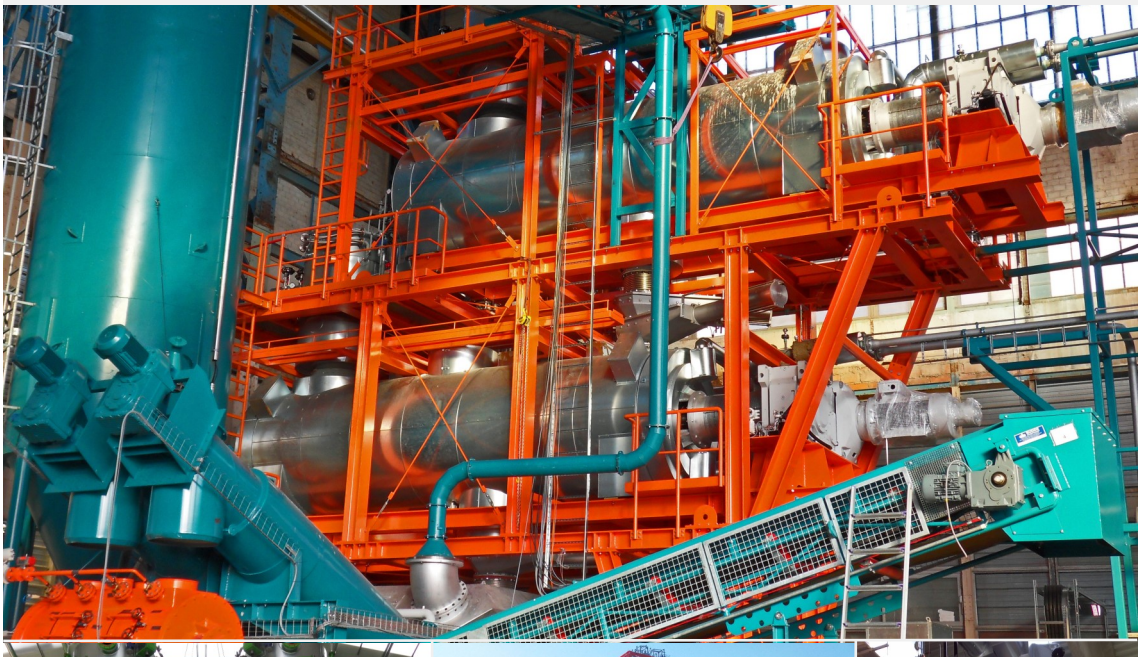
econ INDUSTRIES

VacuDry®

Resources recovery through vacuum distillation by econ industries



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Zero industrial waste … !

VacuDry® - vacuum distillation

Turning special waste into a resource

VacuDry® is worldwide the most environmentally friendly technology to turn special waste into valuable resources. It is the only vacuum distillation technology for the treatment of special wastes and contaminated soils with a proven track record.

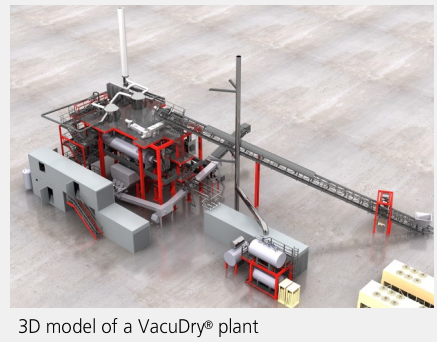
The core of the VacuDry® technology is a specially designed evaporator that combines controlled vacuum and heat to separate contaminants and valuable substances from the original material. By doing so the VacuDry® technology turns contaminations into a resource, with the resulting treat and dried solid residues achieving a purity of more than 99 %.The VacuDry® vacuum distillation process is a purely physical separation process – no incineration involved. This ensures recovering resources with first-grade quality whilst reducing emissions to a minimum. Consequently, due to the reduced emissions, VacuDry® plants can be operated on-site, even close to residential areas –with permission from the local environmental authorities.

For our customers, usually market-leaders in their particular field, the VacuDry® technology is the unique solution to solving their waste management issues in an economically sound and sustainable way. As per today more than 100 different types of waste streams have been successfully treat. Contaminants or resources with a boiling point < 450 °C / 842 °F (at normal pressure) are ideal for the VacuDry® technology.

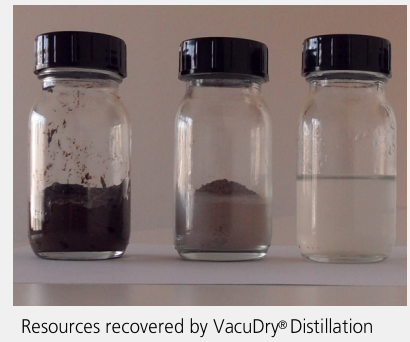
VacuDry® applications

- Oily waste (refinery waste, drill cuttings, oil sludge, NORM waste, etc.)
- Mercury waste (catalysts, filter cakes, sludge, residues, etc.)
- Contaminated soils & building rubble (hydrocarbons, PCB, PAH, dioxins, mercury, solvents, organic lead, etc..)
- Grinding swarfs and mill scale from metal processing
- And many others…

Front view of a VacuDry® plant



3D model of a VacuDry® plant



Resources recovered by VacuDry® Distillation

What our customers like best about econ's VacuDry® technology

- **High quality of recovered resources** - adapted temperature profile, vacuum and nitrogen prevent oxi dation or deterioration of valuable resources
- **Low energy consumption** - through highly efficient thermal oil heating system
- **High flexibility** - plants can be adapted easily to changing waste streams
- **High availability > 90 %** - Heavy duty equipment for 24/7 operation
- **Highest safety level** - (CE and ATEX certified; approved by German TÜV)
- **Lowest emissions** - due to vacuum and activated carbon filter
- **Perfect process control** - due to online monitored batch process

Join the market leaders with the VacuDry® cutting-edge technology for the 21st century.

Zero industrial waste … !