

RASCHKA

Raschka FBI Technology

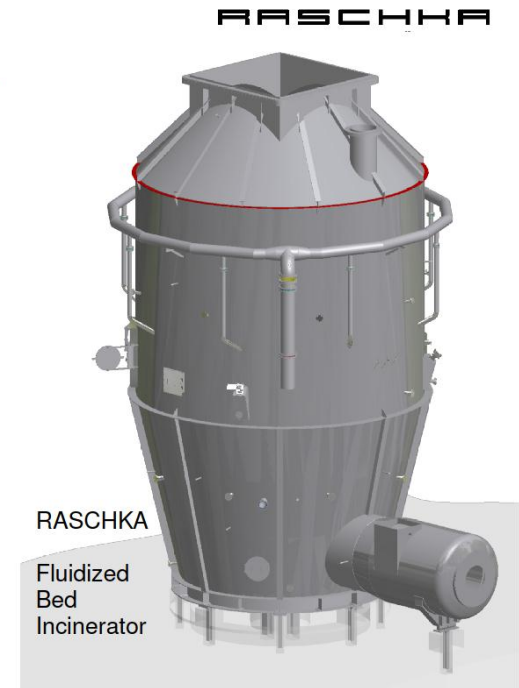
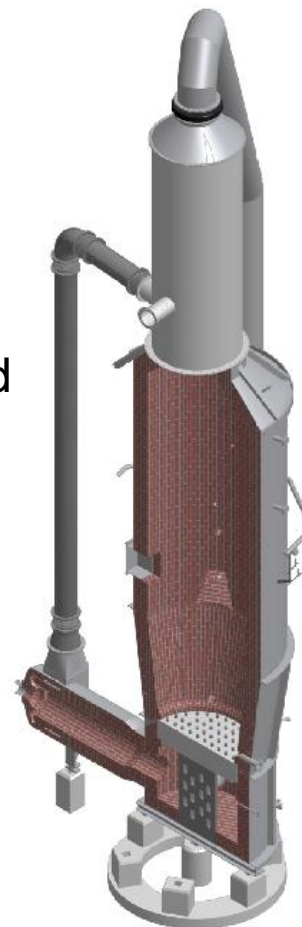
Felix Wyss

FBI (fluidized bed incinerator)

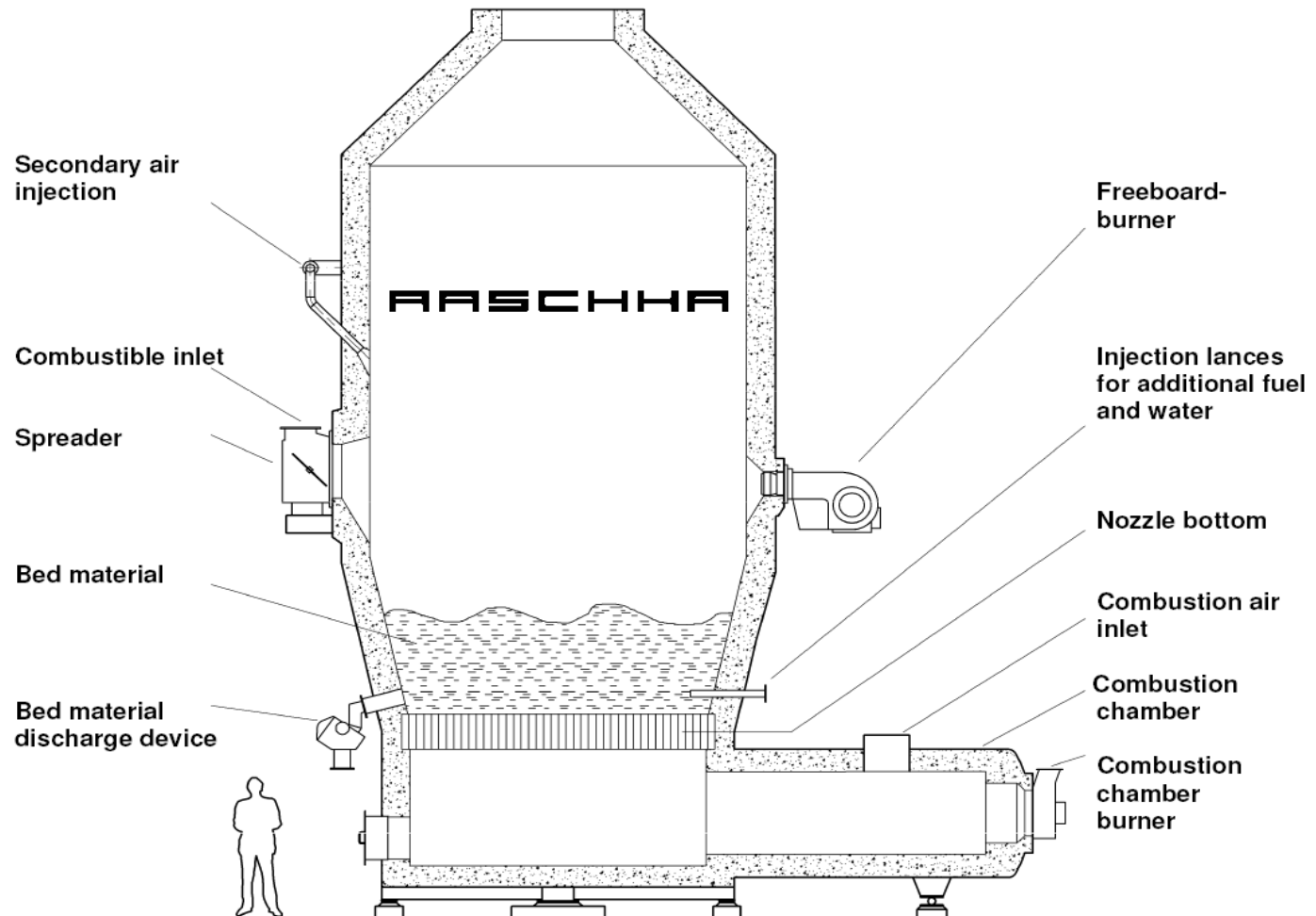
- Applications
 - Biomass, waste wood, bark, secondary fuel
 - Ballast coal, low quality, coal, pyrolysis coke
 - Residual waste from paper cellulose and chemical industry
 - Sewage sludge, coal sludges and waste sludges from industry and refines
 - Domestic waste, waste from slaughter house, animal carcass
 - Pyritiferous ores, pyrite

More information available from

www.raschka-engineering.com



Basic scheme of FBI



Raschka fluidized bed incinerator characteristics

- nozzle bottom: ceramic sandwich construction, alternatively steel bottom or nozzle system permeable for foreign matters, air nozzles of special design to ensure even and exact air distribution
- discharging of bed material and foreign matters while operation of incinerator
- combined injection of natural gas, fuel oil, water and air into the fluidized bed by means of special design injection lances
- feeding of sludge and other fuel into the incinerator by means of the RASCHKA-spreader, which serves for an even distribution over the entire cross section of the fluidized bed
- injection of secondary air for controlled staged combustion
- extreme long retention times and low flow velocity in the freeboard, thus enabling excellent and complete combustion
- NO_x-reduction by SNCR (Selective Non-Catalytic Reduction) available



Raschka FBI sludge incinerator at Lonza Visp operational since 1976



RASCHKA FBI sludge incinerator at Lonza Visp

Waste water treatment system including sludge incineration in Visp, Switzerland

