

INSTALLATION PARTNER:



## COMMERCIAL INSTALLATION

### Bimmerle Distillery, Germany K8-2500kW SD Kohlbach Biomass Boiler

#### PROJECT:

As one of the first Germany's distilleries, Bimmerle decided to install a Kohlbach biomass furnace but wanted to burn off wood chips in combination with bark, and homogenous cherry stones. Kohlbach provided a detailed combustion test to ensure the desired special fuel would work and found that the mixed heterogeneous fuel was feasible with the K8 furnace. These particular cherry stones fuel have an increased bulk density, lower ash content and in relation to other biomass fuels a higher caloric value. The thermal plant supplies approx. 4 tonnes per hour of saturated steam at 16 barg for the production process to manufacture Schnapps, German liqueur.

#### SOLUTION:

The furnace at Bimmerle was implemented as a K8-Kohlbach-Standard with adaption of the fuel infeed system and system software. Due to the fuel's water content the plant (30% - 55%) is equipped with a primary and secondary flue gas recirculation and a water-cooled grate frame, as well. The auger elevator doses the cherry stones fuel and conveys it to the hydraulic stoker where it's mixed. The process is controlled with the PLC.

BOILER TYPE	K8-2500kW SD Kohlbach boiler
FUEL TYPE	Wood chips, bark and cherry stones
CO <sub>2</sub> SAVINGS	> 8,000 tonnes / year

