

News by UNITHERM–CEMCON Feuerungsanlagen GmbH

Bulgaria:

Italcementi has commissioned Unitherm-Cemcon to supply two M.A.S. Rotary Kiln Burners for the **Vulcan Cement** plant. The Kiln Burner equipment is mounted on a 430/580 TPD wet kiln with planetary cooler system. The Burners are designed to fire natural gas, petcoke and steam coal. The successful commissioning was completed by February 2001. The Emission measurements showed very low NO_x-Emissions.



Vulcan Cement Plant

Lettland:

Ready Mix Group has signed a contract with Unitherm-Cemcon for their Cement Plant in **Broceni**. The kiln capacity is a 840 TPD wet system. The order includes one combined M.A.S. Burner for coal, natural gas, heavy oil, solid and liquid (waste oil and acid tar) secondary fuels. The modernization project includes a new gas control valve station.



Kiln Burner at Unitherm-Cemcon Factory

Serbia:

Beocinska Cementa in **Beocin** next to Novi Sad has placed the order to Unitherm-Cemcon for two M.A.S. Rotary Kiln Burners. The firingsystem was installed on a 500 TPD wet kiln and runs on oil and coal. The fuel oil valve train and control system were included for the plant modernization.



Combined M.A.S.Kiln Burner



fuel oil valve train for kiln burner



Beocinska Plant

Romania:

Heidelberger Cement has placed the order to Unitherm-Cemcon for a combined Rotary Kiln Burner for the plant in **Deva**. The Burner is mounted on a 4.000 TPD dry kiln and is designed for 24.000 kg/h coal, 14.000 kg/h heavy oil and 16.000 Nm³/h natural gas. The fuel feeding is achieved by a newly developed and fully automatic burner valve train which was also supplied by Unitherm-Cemcon. For a second plant in **Bicaz / Moldocim** Unitherm-Cemcon was commissioned to supply a similar Burner with the additional possibility to burn secondary fuel in the future. In addition to the burner Unitherm-Cemcon delivered a fully automatic gas and oil valve train together with a free programmable control system (Simatic S7).



Deva Cement Plant



Kiln Burner Gas Valve Train DN 300



M.A.S. Kiln Burner 165 Gcal/h

Litauen:

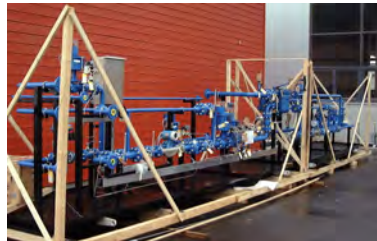
Akmenes Cementas has awarded Unitherm-Cemcon the contract to supply a new M.A.S. Kiln Burner (135 Gcal/h) for coal, heavy oil, solid and liquid secondary fuels for a 1900 TPD wet kiln. The scope of supply includes the engineering for a new burner trolley, which is hydraulically adjustable in any direction.

USA-Maryland:

Unitherm-Cemcon was selected by the Lehigh Portland Cement Company to supply the new M.A.S. Kiln Burner for **Union Bridge Modernization Project**. The Burner system is mounted on a new Polysius short kiln with a capacity of 6.500 TPD which is the most modern and the biggest Cement Plant in North America. The Kiln Burner (145 Gcal/h) is designed for pet coke and heavy oil / light oil. The burner trolley with hydraulical adjustment in any direction, as well as kiln burner valve train, calciner burner valve train (both fully automatic) and the whole fuel supply system from storage tank with transfer pump station and high pressure pump stations to the Burners were included in the order. Commissioning will start in September 2001.



M.A.S. Kiln Burner with Trolley



Kiln Burner Fuel Oil Valve Train DN 65



Union Bridge Site

Pakistan:

Bestway Cement Limited signed a contract with Unitherm-Cemcon for a complete firing system for natural gas supplementary to the fuel oil system. A combined M.A.S Kiln Burner for natural gas and fuel oil and four combined Calciner Burners were supplied for this 3.300 TPD Kiln in **Haripur District**. The order also included the burner gas valve trains and a free programmable control system for Kiln Burner and Calciner Burners. This plant started its operation in November 2000.



M.A.S. Kiln Burner



Combined Calciner Burner



Control System S7

Hungary:

Heidelberg Cement has chosen Unitherm-Cemcon for two M.A.S. Burners for their 1950 TPD plant in **Duna-Drava**, Beremend Cement. The Burners are designed to burn coal, oil and natural gas as well as solid secondary fuels. To improve the secondary fuel burning a “pneumo swirler” was installed into the burners. The Burner system was completed by a new burner trolley, a fully automatic burner valve train for gas and oil as well a free programmable control system (Siemens S7).



Gas Control Valve Station DN 200

Austria:

Wietersdorfer & Peggauer Cement Group placed the order to Unitherm-Cemcon for a new M.A.S. Burner (30 Gcal/h) for the cement plant in **Peggau/Styria**. The Lepol-kiln capacity is 850 TPD. The Burner is designed to fire coal, natural gas, liquid and solid secondary fuels. To improve the secondary fuel burning (plastics) a “pneumo Swirler” was installed into the burner. The order includes also a new Burner trolley.

Germany:

Heidelberg’s Cement Plant in **Leimen** made a project review of a combined M.A.S. Kiln burner for petcoke, waste oil and secondary fuels on a 1500 TPD Lepol-kiln after a one year operation. The installed “pneumo-Swirler” set the alternative fuel into rotation and improved the burning process as well as the keeping of the sinter zone. The client is very satisfied with this new burner system.



M.A.S. Kiln Burner / Leimen



Burner for Secondary fuel**

** This 60 MW Burner is in operation with 6-8% primary air for petcoke. The big central channel is suitable for alternative solid fuels up to 40mm grain size.