

Brecon Vibrationstechnik GmbH, 50933 Cologne, Germany

## Modern compaction technology at P.V. Prefabet in Poland

**P.V. Prefabet has developed a new production system with pipe moulds and vibrating tables at Krapkowice, Poland. After thoroughly testing different production technologies, it was decided to acquire the compaction system using the new**

**synchronous running (SR) vibrators from Brecon. Production had already been expanded several times with further SR vibrators and electronic inverters from Brecon being installed.**

The company decided to use SR technology from Brecon after a visit to BAUMA 2004. According to Joachim Amthor, who is in charge of the Krapkowice plant, this decision was proved right in two respects. The SR vibrators fully satisfy the production requirements. The promises made by Brecon at the trade fair have been thoroughly upheld and Brecon has

the surface of the face concrete produced. According to Mr Amthor, the high quality of the products can be seen particularly when compared with those from other plants in the company where internal vibrators are still being used. When working with electric external vibrators, the compaction of the concrete is outstanding everywhere. As soon as a vibrator breaks

loads during 2 production runs every day followed by steam treatment for several hours. The staff in charge of production also consider that the system is very simple to operate and outstanding results are achieved with a high level of reliability. Electric vibrators are already known from previous production systems in Poland. However, it was not possible to regulate the speed and the noise level was very high continuously. With SR vibrators, the speed during concrete distribution is started low. During the compaction stage, the speed is then increased successively to 85% of the maximum speed. At these speeds, the SR vibrators are already supplying a vibration energy which is often not reached with standard vibrators until they reach significantly higher speeds. For this reason, even at these speeds, outstanding results are achieved with minimum air inclusion and with the noise level significantly lower than with previous systems.



*Brecon vibrators easily cope with two production runs with several hours steam treatment every day*

proved to be a reliable partner for P.V. Prefabet by its 100% commitment during every phase from the planning system to putting machinery into service. Particularly in a country like Poland which is a low-wage country compared to the rest of Europe, investment in technology for improving productivity must be considered very precisely. However, the advantages in production outweighed the disadvantages. SR vibrators produce outstanding product quality. And because the system is simple to operate, hardly any waste is produced. Even visitors from other plants are amazed at the quality of

down, which is normally difficult to see during operation, this is indicated visually at the distribution box. Another benefit is that the noise level is significantly lower than that of other vibration technologies so work safety is also significantly better in this area.

The production staff were initially concerned that the electric vibrators would not be able to withstand the high loads in the production process. Experience after one year, however, has shown these fears to be unfounded. Brecon external vibrators have been well able to cope with the

### Further information:



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