

New orders in the Floatzone Crystal Growing Systems Unit of PVA TePla AG

(Aslar, February 7, 2007) – At the start of 2007, PVA TePla Danmark, Frederikssund, a branch of PVA TePla AG in Denmark, received an order from a Korean customer to supply three Floatzone systems. These systems will be delivered in the current financial year.

Floatzone technology is one of four key industrial processes for manufacturing monocrystalline silicon crystals. These highly complex, hugely technologically sophisticated systems for extracting high-purity crystals are generally used for special applications in the high-frequency and high-performance electronics sector. In the last two years, PVA TePla Danmark has supplied three such machines with a crystal diameter of up to 200mm to customers in Asia.

Special systems using this method are also used in the context of industrial production of high-purity raw silicon. The customer has now ordered two "slim rod pullers" from PVA TePla Danmark. The crystal rods pulled with this system are just 5-8mm in diameter and serve as the starting point for separating high-purity silicon from the gaseous base material.

An FZ-14 M crystal growing system is also to be supplied. In this system, polycrystalline silicon rods are converted into monocrystalline rods in order to enable analysis of the quality and purity of the base material.

Press Release



No. 1/07
February 7, 2007
Seite 2 von 2

In light of the global expansion of capacity for producing high-purity raw silicon, PVA TePla Danmark expects further orders for these types of systems.

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