

Toyota Kohki Co., Ltd., Tokyo, 183-0035 Japan

## Precast concrete molds in Japan

The processes of manufacturing precast concrete products are similar from country to country, Japan is considered as one of the world's top producers and users of precast product. Earthquakes are a normal event in Japan, because of this the concrete products in Japan have become more and more complex and are required to be higher quality, more precise and more durable designs. Precision precast molds are crucial for maintaining these high standards. Due to the intense environment and use of precast concrete products in Japan the Japanese concrete form/mold industry have cultivated their skills and know-how in order to meet the demands of the complex and diverse products.



*Fig. 1: Factory of Toyota Kohki*

Since 1966, Toyota Kohki Co. Ltd. has been the leader in Japan for precast concrete molds, plant machinery and concrete delivery systems for producing wet cast concrete products. Today, Toyota Kohki is known as the leading contributor to the development of the concrete industry and precast concrete molds in Japan. Toyota Kohki molds precision is so accurate, they are actually water tight. In addition, the durability, productivity, and ease of use are attributes that have attracted many of their customers.

Toyota Kohki began export of precast concrete forms/molds to the U.S. in 1991, and now exports to Canada, Turkey and China, as well. In an effort to continue to expand business more internationally Toyota Kohki will exhibit at bauma 2010 in Munich, Germany in pursuit of distributors/representatives as well as new customers from around the world.

Shown in figure 2 is a public lavatory in a park. This framework is made of precast concrete of a one piece. Figure 4 shows the precast concrete form/mold to produce the precast lavatory. This



*Fig. 2: Public lavatory in a park*

"open-and-shut" core system enables the user to collapse and slide in the inner core with no need of hydraulic or electric tools. Toyota Kohki always put themselves in their customers' shoes to seek more productive, efficient and safe designs for improving the precast concrete industry. For example, using Toyota Kohki molds made it possible for a customer in the U.S. to complete in less than five minutes the amount of work that usually took more than ninety minutes for a single set up and stripping of a precast concrete product, versus using molds from another form/mold company. Every Toyota Kohki mold is filled with water and checked for leaks before shipping! This proves the outstanding quality and precision of Toyota Kohki molds.

### FURTHER INFORMATION

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*Fig. 3: Precast lavatory in the plant*



*Fig. 4: Precast concrete form/mold for the production of the precast lavatory*