

'3S Segment Method': to protect social infrastructure

A leading manufacturer of plastic products since 1948, the company has developed an innovative method for pipeline rehabilitation.

A firm that specializes in plastic molded products, plastic mold design and non-excavation construction methods, Shonan Plastics is dedicated to *monozukuri*, the spirit of innovation and perfection that's a core philosophy for Japanese businesses.



2000mm L224.2m

For Takao Kamiyama, the company's president, *monozukuri* is also about responding to the demands of the market. "I think the essence of manufacturing in Japan is to produce what is needed by customers and society with high quality," he says.

"My father, our founder, foresaw the potential demand for plastics



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Takao Kamiyama,
President,
Shonan Plastics MFG. Co., Ltd.

after the war and started the plastics business in 1948," Mr. Kamiyama continues. "Since then, we have been designing and manufacturing plastic parts for electrical, mechanical, automobile-related equipment, etc.

Based on these basic technologies, we have also focused on the renewal of pipelines, such as sewer pipes in the aging social infrastructure."

Key to Shonan Plastics' pipeline rehabilitation is its cutting-edge '3S Segment Method', which involves assembling translucent plastic segments on the pipe's inside wall and injecting a cement-based filler



2600mm L102.2m

between the segments and the inner surface.

The process is twice as quick as conventional excavation, Mr. Kamiyama notes, adding: "Since it does



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not require large-scale equipment during construction, the number of trucks will be reduced, so it also has the feature of being environmentally friendly."

Having already established a factory in Thailand, Shonan Plastics' plans for international growth are focused on Southeast Asia, in addition to the United States. "Currently, we are in the process of developing a strategy to sell our products in these countries," Mr. Kamiyama says.



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