

## Large Coating System iDS-720 Introduced to Manufacturing Sites in India —Strengthening coating services in India—

Nissin Advanced Coating Indo Co., Private Ltd. (ACI), which is a group company of Nissin Electric Co., Ltd. and provides coating services in India for cutting tools, molds, and automotive parts, introduced the latest large coating system iDS-720 and started full-scale production in December 2021.

This business action is in line with the strategy “identifying demand resulting from increasing environmental awareness in emerging countries,” stated in the six growth strategies in the Nissin Electric Group Medium-to-Long-Term Business Plan VISION2025 and will help achieve “improving productivity” set out for strengthening the business foundation.

India has the world's second largest population, 1.3 billion people, and the world's sixth largest automobile production volume. In the nation, the demand for coatings on cutting tools, various molds, and automotive parts, among other items is growing along with the growth of its auto industry. ACI is a joint venture between Nissin Electric and the Samvardhana Motherson Group, India's largest automotive parts manufacturer. It started its coating business in Noida near Delhi in 2007, followed by a second works in Pune near Mumbai in 2017. Subsequently, ACI further expanded its business, establishing a third works in Gujarat near Ahmedabad in 2021.

The recently introduced iDS-720 is the latest model from Nippon ITF Inc., a group company of the Nissin Electric Group. This model is a large-capacity coating system 720 mm in coating zone diameter and 800 mm in height. The incorporated innovative STEER-ONE evaporation source improves the model's film formation rate by approximately 20% compared with previous models. This coating system efficiently renders highly smooth and high-quality coatings. With introduction of the iDS-720, all ACI works have been equipped with large-capacity coating systems. These systems will quickly respond to needs for coating large press molds and long broaches for cutting a long groove, among others.

In India, demand for automobiles is expected to continue to grow due to strong economic development and an expanding middle class. For cutting tools and molds used in automotive production, coating technology reduces costs as it extends service life and improves machining speed and contributes to the efficient use of raw material resources. Thus, the coating technology is now the focus of attention. The Indian market is expected to grow in the future, at which time the companies intend to further expand their business.

### [Overview of iDS-720]

Recommended coating zone: 720 mm in diameter, 800 mm in height

Number of evaporation sources: 12

Film formation process: Cathodic arc ion plating



iDS-720

The Nissin Electric Group has been stepping up its efforts to promote the SDGs through its business operations. This accomplishment is related to the following goals among the 17 SDGs.

9. Industry, Innovation and Infrastructure

12. Responsible Consumption and Production