

Smart Manufacturing Technology for the Fastener Industry

Adopt the Internet of Things, smart manufacturing and specialized industrial Apps to help transform domestic manufacturers in becoming first tier companies to receive global orders.

Introduction

- Integrate forming design simulation and manufacturing system, optical modulation expert system, monitoring system for fastener forming process, pre-diagnosis system for forming quality analysis and automatic sampling system to establish a "Smart manufacturing demonstration production line for metal fastener industry", and provide systematic manufacturing practices for the fastener industry and customized smart manufacturing solutions.
- The technology transforms the conventional manufacturing patterns into highly customized, smart and service-oriented business models. Greatly improve the development, trial run and adjustment of products. Quickly expand the diffusion to metal stamping, forging and die casting domains. Help improve domestic manufacturers to grow capabilities in becoming very first tier companies of receiving global orders.

Honors/ Patents

- 2019 Taiwan Innotech Expo Taipei Innovation Award Gold Medal
- 2020 Edison Awards in the US
- Methods for adjusting the relative position of mold base of fastener forming machine (patent application 107129354), 9 patents of Taiwan and China.

Industrial Applications / Case Studies

