

Development and Features of Increased Capacity "SAN ACE MC" Production Equipment

Kazunori Izawa and others

1. Introduction

We developed "SAN ACE MC", which is directly built onto the micro processor (CPU) to cool it directly, in 1994. As demand for "SAN ACE MC" increased rapidly, an assembly line with greater mass production capacity for various product types was required.

This paper describes the technical features of (1) a high-speed automatic winding line, (2) a high-speed assembly line for the rotor and (3) a highly efficient final assembly line developed for mass production of many types of "SAN ACE MC".

2. High-speed Automatic Winding Line

- 2.1 Background of Development
- 2.2 Main Development Subjects
- 2.3 Line Configuration and

Production Capacity

- 2.4 Features of Line

3. Rotor High-speed Assembly Line

- 3.1 Background of Development

3.2 Line Configuration and
Production
Capacity

- 3.3 Features of Rotor

High-speed
Assembly Line

4. Final Assembly Line

- 4.1 Background of Development

- 4.2 Requirements of New Line

- 4.3 Line Configuration and

Production Capacity

- 4.4 Features of Line

5. Conclusion



Fig. 2 Appearance of high-speed automatic winding line