

Wire Winding Technology Supporting Various Motors and Its Recent History

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1. Introduction

Remarkable advances in reducing the size and weight of motors including AC servo motors have been made in recent years, and improvements in wire winding technology have made major contributions. In the wire winding technology, the main themes are high density wire winding and rationalization of processing of wire ends (processing of the ends of conductors). Recognizing the importance of wire winding technology, Sanyo Denki has introduced proprietary wire winding equipment using its unique technologies and has developed a new wire end processing method.

We report on the recent history the latest our wire winding technology.

2. Development of Wire Winding Method and Wire End Processing Method of Stepping Motor

2.1 Development of Direct Wire Winding Machine

2.2 Development of Wire End Processing Method

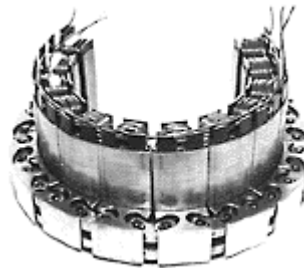


Fig. 13 Setting jig

3. Development of Wire End Processing Method of DC Motor Wire Winding

3.1 Background of Development

3.2 Development of New Winding Technology

4. Development of Series Winding Machine for AC Servo Motor

4.1 Background of Development

4.2 Development of Series Wire Winding Machine

5. Conclusion

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