

# Development of Data Input Type AC Servo System with Positioning Function

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## 1. Introduction

Sanyo Denki has developed the worlds fastest stepping motor technology for performing the read/write head seeking (driving) of computer hard disks (HDD). This was made possible by Sanyo Denki's experience in motor design technology and production engineering, unique CPU control models "PMM8715" and "PMM8716", and the control technology to utilize them. The motor, CPU and control software technologies are widely used as a set by many HDD makers.

This paper reports on the data input type AC servo system with built-in positioning function.

## 2. Background of Development

## 3. Features of "ROBUSTSYN" and "PR"

### 3.1 Features of "ROBUSTSYN"

### 3.2 Features of "PR"

## 4. Application Example

## 5. Conclusion



"ROBUSTSYN"

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