

Hybrid Stepper Motor

# ***CORE TECHNOLOGY MANUAL***

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The Core



MANUAL

FERROUS  
GEAR

Get Down  
The Basics

# Introduction

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## Purpose and Scope How to use this manual

## Purpose and Scope

### *What is it for?*

The Core Technology Manual is a reference source for standard technologies used in Ricoh office products. It has three main intended uses.

#### 1. Support for Service Manuals

Instead of repeating a common technical description, a service manual can refer to the description of the process in the Core Technology Manual. Or the service manual can refer the reader to the Core Technology Manual for additional information. Thus service manuals can be made more compact and more focused on the target machine.

#### 2. General Technical Reference

Technical staff and field service personnel can use this manual as a standard technical reference about Ricoh office machines. It may be especially useful as a memory refresher concerning the technical aspects of the various products that are often encountered in the field.

#### 3. Source for Training Material

This manual can be used as a source of background material when preparing technical training courses.

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## *Scope*

While the Core Technology Manual can be studied, it is intended primarily for use as a reference. It doesn't cover all technical aspects of Ricoh office products. Instead, it concentrates on the common technologies used in many products. Generally, leading edge technology and machine specific technology will not be covered.

This manual will be updated from time to time as technology evolves and field needs change.

## **How to use this manual**

### *The Portable Document Format*

This manual is a PDF (portable document format) file, and you must use Acrobat Reader or Acrobat Explorer to view it. We assume that you are familiar with the features of Adobe Acrobat. If not, please take a few minutes to familiarize yourself with Acrobat's navigation features. To make best use of this and other electronic documents, you need to know how to use the navigation buttons, bookmarks, thumbnails, and searching functions. (Acrobat comes with several reference and tutorial documents that you can use to "book up" on Acrobat.)

## *Navigating*

This manual has numerous links that allow you to quickly jump to related information. The links are indicated by green italic text. Also, this manual is heavily bookmarked. You can get almost anywhere you need to by “drilling down” through the bookmarks. In addition the manual is fully indexed; so, you can use Acrobat’s full text search function to locate items by keyword searches.

## *Printing this manual*

This manual is formatted for screen viewing. The actual formatted size is A5; however, if you print to A5 paper, some of the image may be cut at the margins depending on the capabilities of the printer. If this happens, print to a slightly larger size paper. ISO B5 and JIS B5 work well. As colors are used in this manual you will get better results by using a color printer.