

## Case Study: Wayne-Dalton

*Instruction documents for residential garage doors and openers, and commercial door systems*

9100/9400/9600

TORQUEMASTER® PLUS  
STANDARD LIFT

---

MH  
INSTALLATION INSTRUCTIONS AND OWNER'S MANUAL




Table Of Contents

<b>Parts Breakdown</b>	<b>2</b>
<b>Pre-Installation</b>	<b>3</b>
Important Safety Instructions	3
Tools Required	3
Package Contents	3
Door Section Identification	4
Removing an Existing Door	4
Preparing the Opening	4
<b>Installation</b>	<b>6</b>
<b>Optional Installation</b>	<b>14</b>
TorqueMaster® Plus Reset Instructions	14
Door Arm Hookup	14
Trolley Arm Configuration	14
Inside Lock	15
Pull Down Rope	15
Stop Plate	15
<b>Maintenance</b>	<b>17</b>
Cleaning Your Garage Door	17
Painting Your Garage Door	17
Operation and Maintenance	17
<b>Warranty</b>	<b>18</b>
<b>Dealer Locator Information</b>	<b>20</b>

IMPORTANT NOTICES!

Wayne-Dalton highly recommends that you read and fully understand the Installation Instructions and Owner's Manual before you attempt this installation.

To avoid possible injury, read the enclosed instructions carefully before installing and operating the garage door. Pay close attention to all warnings and notes. After installation is complete, fasten this manual near garage door for easy reference.

The complete Installation Instructions and Owner's Manual are available at no charge from:  
Wayne-Dalton, a Division Of Overhead Door Corporation,  
P.O. Box 67, Mt. Hope, OH., 44660,  
Or Online At [www.Wayne-Dalton.com](http://www.Wayne-Dalton.com)

©Copyright 2011 Wayne-Dalton, a Division Of Overhead Door Corporation
Part No. 341459 REV4 08/15/2011

9100/9400/9600 or  
5120/5140

TORQUEMASTER® PLUS  
STANDARD LIFT

---

MH  
QUICK START GUIDE




Table Of Contents

<b>Parts Breakdown</b>	<b>2</b>
<b>Pre-Installation</b>	<b>3</b>
Important Safety Instructions	3
Removing an Existing Door/Preparing the Opening	3
Preparing the Opening	3
<b>Installation</b>	<b>3</b>
<b>Maintenance</b>	<b>9</b>
Cleaning Your Garage Door	9
Painting Your Garage Door	9
Operation And Maintenance	10
<b>Warranty</b>	<b>10</b>
<b>Dealer Locator Information</b>	<b>12</b>

QUICK START GUIDE IMPORTANT NOTICES!

This Quick Start Guide is only meant to be used as an aid and / or introduction to garage door installation, and does not replace the complete Installation Instructions and Owner's manual available on the web at [www.Wayne-Dalton.com](http://www.Wayne-Dalton.com).

Wayne-Dalton highly recommends that you read and fully understand the Installation Instructions and Owner's Manual before you attempt this installation.

To avoid possible injury, read the enclosed instructions carefully before installing and operating the garage door. Pay close attention to all warnings and notes. After installation is complete, fasten this manual near garage door for easy reference.

The complete Installation Instructions and Owner's Manual are available at no charge from:  
Wayne-Dalton, a Division Of Overhead Door Corporation  
P.O. Box 67  
Mt. Hope, OH., 44660  
Or Online At [www.Wayne-Dalton.com](http://www.Wayne-Dalton.com)

©Copyright 2011 Wayne-Dalton, a Division Of Overhead Door Corporation
Part No. 341232 REV4 08/15/2011

# Complex content & layouts for 1,600 documents made simpler by automated workflow

By streamlining and simplifying product data and images, Wayne-Dalton takes advantage of Typefi Publish to repurpose their content more easily

## Background Manufacturer with extensive product range

Wayne-Dalton is a manufacturer of residential garage doors and openers and commercial door systems. Since opening for business in 1954 in Mount Hope, Ohio, it has grown through expansion, development, acquisitions and mergers. Today it has additional plants and distributors throughout North America and Europe.

Wayne-Dalton produces two instruction documents for each door product shipped from the

Mount Hope facilities for use by both retail customers and dealers.

The full instruction documents are PDF files available for download from the Wayne-Dalton website. The Quick Start Guides, which use the same content but with fewer pictures and are on average half the length of the full documents, are printed and shipped in the hardware boxes.

Both versions are produced and updated as needed—with 1,600 documents on the go, the production cycle is almost constant.

## Challenge

Manual composition process for similar or same content across multiple documents

Before Typefi Publish was installed, each document was individually composed by hand in InDesign. Reusing text and image content common to several documents was laborious, involving intensive re-work in each case. The task was time-consuming, inefficient and costly.

## Solution

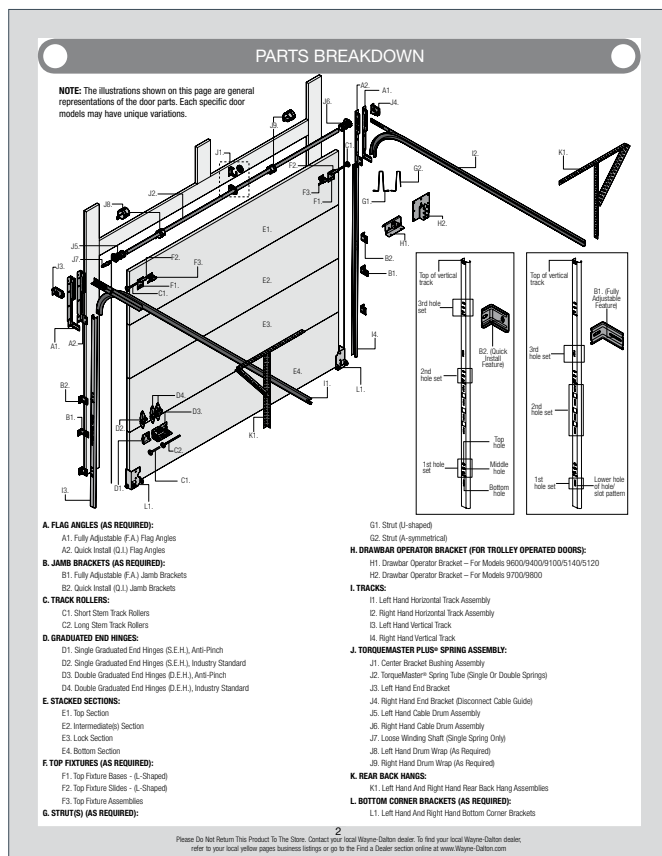
Automating composition with Typefi Publish

Typefi Publish was installed in early 2008 to automate this composition process. The project team handling the implementation identified that only a few minor scripting customisations were needed to handle Wayne-Dalton's complex content and layout needs.

In the new workflow, text and images are managed through the Typefi Publish interface and flowed automatically into InDesign, in full for the longer PDF for the website and a subset for the print PDF Quick Start Guide.

Converting all of the documents for Typefi production is still a work in progress, which in 2011 was 95% complete for residential doors. If one of the older instruction documents awaiting conversion needs a quick update, for example to replace just one step, a supplemental insert is produced using Typefi Publish and included with the existing document.

Producing a document now takes 80% less time than previously.



## Benefits

### Streamlined workflow brings productivity gains ...

The production process is much simpler and faster, with efficient and easy reuse of content. Jon LaBarba, Technical Drawings and Documents, estimates that producing a document now takes 80% less time than previously.

### ... and optimised content

Analysis undertaken as part of the Typefi Publish implementation process identified ways to streamline Wayne-Dalton's content as well its workflow. As a result, the production team simplified and consolidated both images and text. Optimising the actual content in turn meant a reduced number of pages were needed for each document.

### ... as well as reduced costs

Production efficiencies gained from optimised content and workflow has resulted not only in time savings but also in cost savings.

Mr LaBarba states that since implementing Typefi Publish to produce the printed Quick Start Guides, the cost saving has been significant.

Wayne-Dalton is very pleased with its return-on-investment;

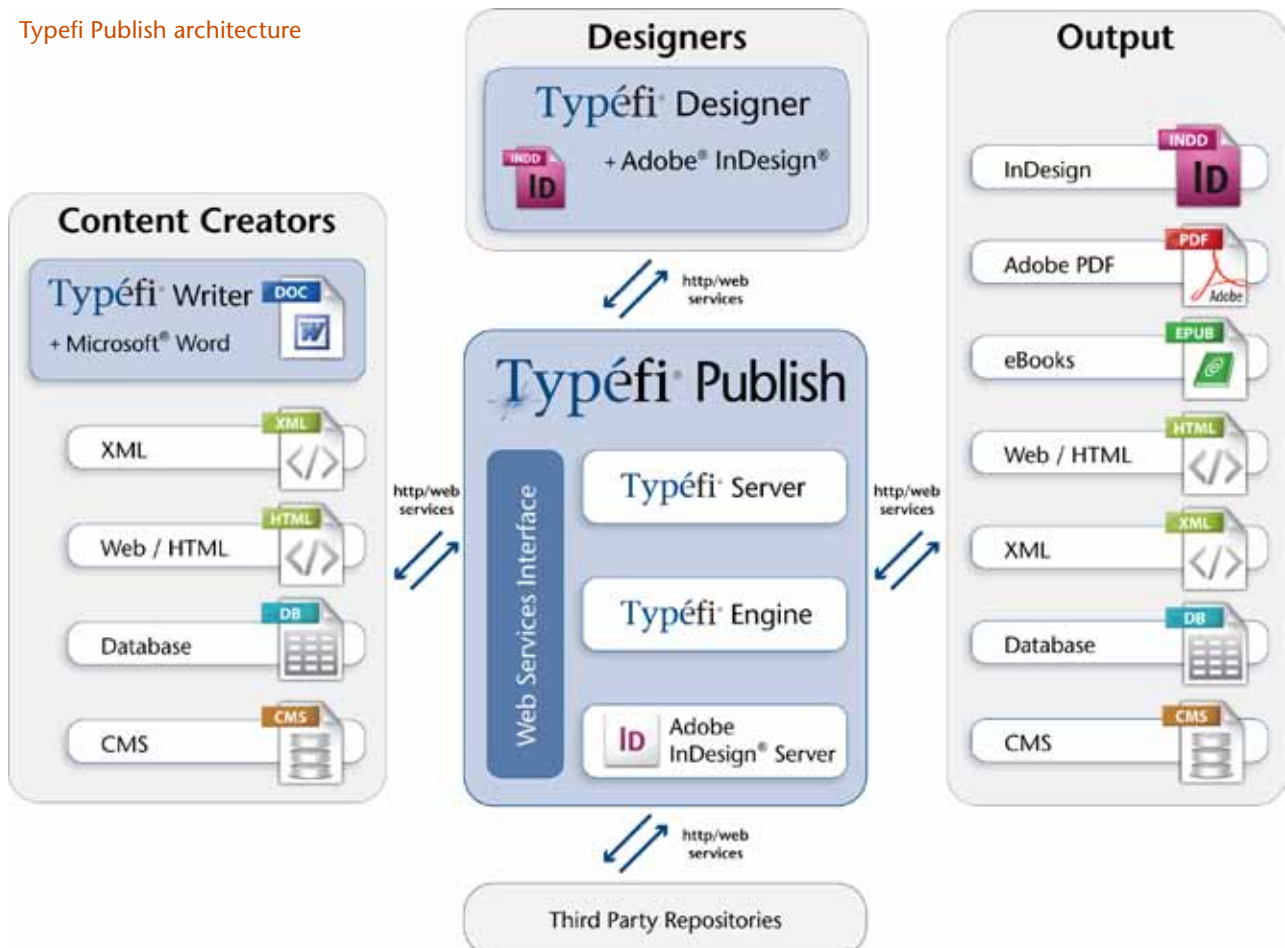
*"It was a big decision at the time, but for the cost there was no other software like Typefi [Publish] out there. I couldn't do my job without it—I wouldn't ever go back to the old [manual composition] process."*

Jon LaBarba,

Technical Drawings and Documents, Wayne-Dalton

the software has delivered exactly what it promised. "It was a big decision at the time," says Mr LaBarba, "but for the cost there was no other software like Typefi [Publish] out there." He now considers it an integral and essential part of Wayne-Dalton operations, and is working with colleagues to investigate implementing Typefi Publish in other parts of the business.

Typefi Publish architecture





**Typefi Systems Pty Ltd**  
**www.typefi.com**

**Australia**

PO Box 143  
Peregian Beach QLD 4573

Phone: +61 7 3102 5444  
Fax: +61 7 3910 1036  
Email: mail@typefi.com

**United Kingdom**

7 Welbeck Street  
London W1G 9YE

Phone: +44 20 8123 2657  
Fax: +44 20 8588 7154  
Email: mail@typefi.com

**United States**

Suite 163  
40 E Main Street  
Newark DE 19711-4639

Phone: +1 215 253 3692  
Fax: +1 866 231 1005  
Email: mail@typefi.com

© 2011 Typefi Systems Pty Ltd. All rights reserved.

Typefi Cloud, Typefi Publish, Typefi Desktop and Typefi NLM are registered trademarks of Typefi Systems. Microsoft Word and Microsoft Office are registered Trademarks of Microsoft Corporation. Adobe, Adobe InDesign and Adobe InDesign Server are registered trademarks of Adobe, Inc.