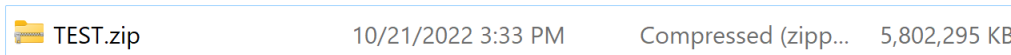This document captures ideas, experiences, and informal recommendations from the Yaskawa Partner Support team. It is meant to augment – not supersede manuals or documentation from motoman.com. Please contact the Partner Support team at partnersupport@motoman.com for updates or clarification.

How to Split Large Simulation Files or Large Files for Sharing

Introduction

It is not uncommon for a MotoSim Simulation to grow so large that cannot easily be shared. Standard compression methods do not help. But there is a method to split the file into smaller files.

Examples of Sharing Limitations

E-mail usually has an attachment limitation of 10-30MB

Microsoft SharePoint has an upload limit of 250MB

Many Filesharing sites set upload limits of 1GB

How to Split Files

A popular, free, compression software is called 7zip (www.7-zip.org).

Here is a sample zip file at about 5.8GB

| 📁 TEST.zip | 10/21/2022 3:33 PM | Compressed (zipp... | 5,802,295 KB |

Figure 1

Drag the file into 7zip or right-click and "add to archive."

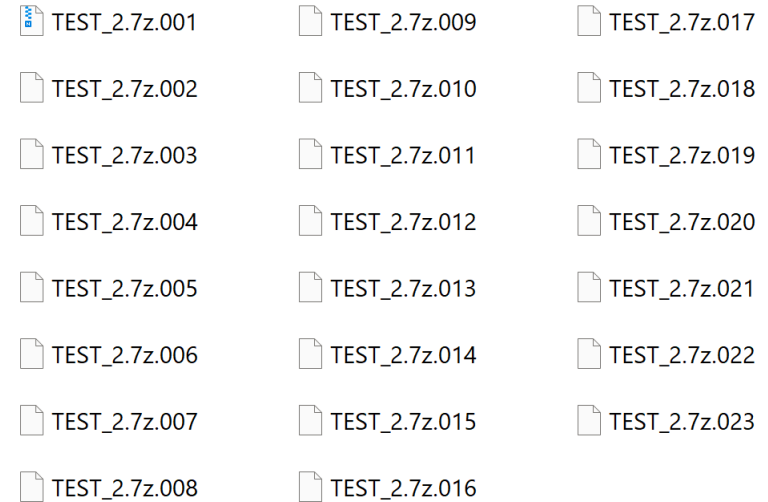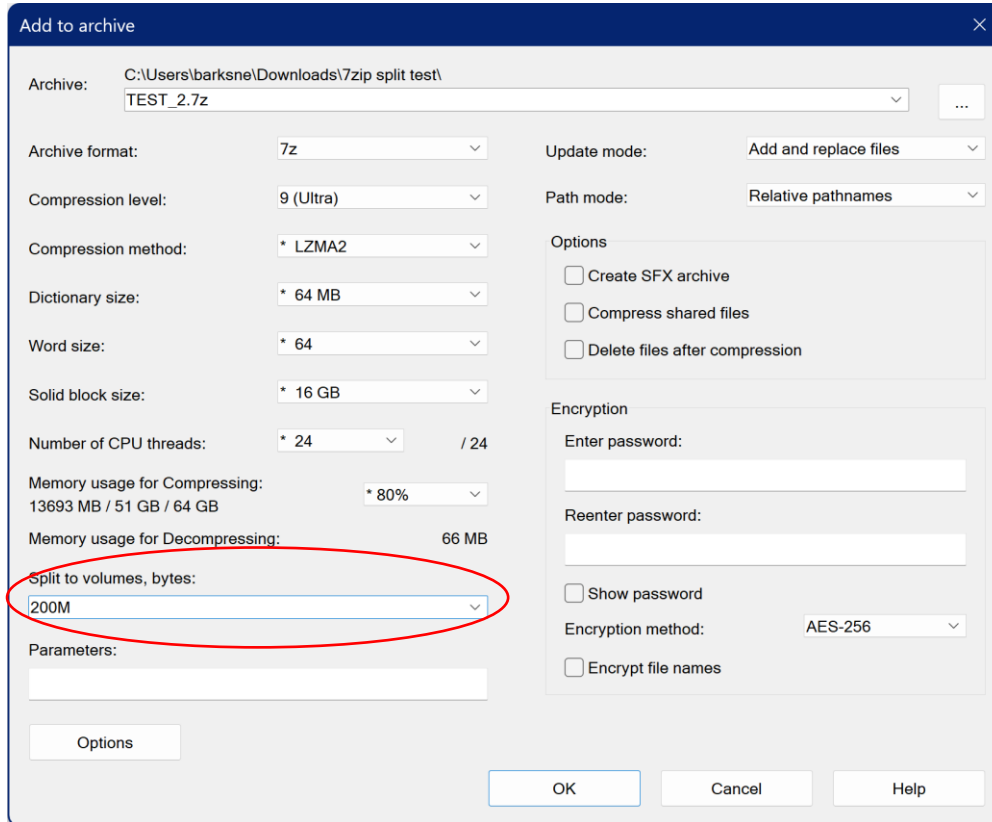|		
TEST_2.7z.001	TEST_2.7z.009	TEST_2.7z.017
TEST_2.7z.002	TEST_2.7z.010	TEST_2.7z.018
TEST_2.7z.003	TEST_2.7z.011	TEST_2.7z.019
TEST_2.7z.004	TEST_2.7z.012	TEST_2.7z.020
TEST_2.7z.005	TEST_2.7z.013	TEST_2.7z.021
TEST_2.7z.006	TEST_2.7z.014	TEST_2.7z.022
TEST_2.7z.007	TEST_2.7z.015	TEST_2.7z.023
TEST_2.7z.008	TEST_2.7z.016	

Figure 1

Simply specify what the size limit needs to be (100, 200, 300, etc.) in MB or GB. Just specify with an "M" or "G." See Figure 2.

The result will look like Figure 2.

To recombine them, just execute the file with the .001 extension. It will automatically rebuild the larger file if all pieces are in the same location.