

UMC-750 Roof Cover



Product Guide

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Welcome

Thank you for choosing Dynatect as your solution partner. We are excited to share our application knowledge to help maximize your smooth-installation, safety-in-operation, and service life of the product. This guide contains important information on your new UMC-750 Roof Cover. Please take the time to thoroughly read and understand this guide prior to installation, operation, or maintenance of the equipment.

Since Dynatect is continually improving all of its products and services, this guide may include updates from a previous version, and we are always seeking feedback for how to make it better. If you need additional copies of any instructions or if you have questions, recommendations, or feedback regarding the safe and proper installation or operation of your UMC-750 Roof Cover, please contact a sales representative or Dynatect directly at 262-786-1500.

Please consider where to store and file this guide so that it can be used again for future adjustment or maintenance. We appreciate your business and the confidence you have placed in us. Please contact us if we can be of further assistance.

Before You Begin

The contents of your shipment include:

QTY	Description
1	UMC-750 Roof Cover
4	Shipping/Squaring Brackets w/ Lift Rings
2	3/8-16 x 3/4" LG Button Head Cap Screws
7	1/4" x 3/4" LG Hex Head Sheet Metal Screws

Please thoroughly check this shipment carefully and compare it to the bill of lading. Account for all items in the container or package, and inspect the container and each item for damage and/or concealed damage. Notify the carrier at once if there are any shortages, damages, or concealed damage; add any necessary notations to your bill of lading; and request that the carrier return and make an inspection.

File your claim with the carrier promptly and support it with photographs and all available documentation. Be sure that all missing or damaged parts are replaced and that the mechanical problems are corrected prior to installing this unit. Dynatect is not responsible for collection of claims or replacement of lost or damaged materials due to carrier negligence.

The guidelines and procedures in this book are published in good faith and have been checked for accuracy; however no warranties, either expressed or implied, are made; nor are successful results guaranteed. The author and editors do not take any responsibility for human error, typographical mistakes, or variations in individual work. Nor shall they be liable for special, consequential, or exemplary damages resulting, in whole or part, from the reader's utilization of, or reliance upon, this material. The reader is expressly warned to consider and adopt all safety precautions and activities presented herein to avoid potential hazards and liabilities. By following the instructions and guidelines contained herein, the reader willingly assumes all risks in connection with these instructions and guidelines.

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Safety Notices

Your safety and the safety of others are very important. Always read, understand, and obey all safety messages within this guide to ensure your personal safety, the safety of bystanders, and to prevent damage to the product or the surrounding property. The safety symbols used to indicate the severity of actions are as follows:

Type	Symbols Used	Definition
Notice		A notice symbol indicates special instructions that are important, but not related to hazards.
Caution		A caution symbol indicates a hazardous situation or action which can result in minor personal injury to the operator or a bystander if the instructions or proper precautions are not followed.
Warning		A warning symbol indicates a hazardous situation or action which can result in severe personal injury or death to the operator or a bystander if the instructions or proper precautions are not followed.
Danger		A danger symbol indicates an immediate hazard or action which will cause severe personal injury or death to the operator or a bystander if the instructions or proper precautions are not followed.

Damage to the UMC-750 Roof Cover or the surrounding property may also occur if warning notices are not heeded.

Warnings in this guide or on the product must be observed at all phases of installation, operation, and maintenance. Please be alert to the possibility of personal injury or death whenever seeing a **Caution**, **Warning**, or **Danger** symbol; and carefully read and understand the message that follows. If more than one degree of danger is present, the warning notice that represents the highest degree of danger will be used.

PLEASE READ THE ENTIRE PRODUCT GUIDE PRIOR TO INSTALLATION

SAFETY FIRST!

Be careful, be aware, and be safe.

Please, always wear your safety glasses and protective equipment when installing, operating, and servicing your UMC-750 Roof Cover.

Application Overview

The UMC-750 Roof Cover is designed specifically to rest on top of your UMC-750, protecting the surrounding environment from dust/chips/debris and provide subtle noise attenuation.

Features / Benefits:

- Bearing rollers, UHMW strips and nylon riders incorporated into the design to enable handling of maximum machine speeds
- Self-supporting frame accommodates maximum required travel with minimum deflection
- Individually replaceable bellows sections with hook and loop ends promote simple cover maintenance
- Lifting lugs, squaring braces and foam surfaces enable simple installation process

Tools Required

The tools required for the installation of the UMC-750 Roof Cover are those used to install equipment in machine tool applications including (but not limited to):

- Metric Allen Key Set
- Imperial Allen Key Set
- 7/32" Drill Bit
- Drill/Driver
- 3/8" Socket Wrench
- Tape Measure
- Overhead Crane or Forklift

All tools used to attach the UMC-750 Roof Cover are solely the responsibility of the installer. Please gather the required tools for the procedures outlined in the installation/removal sections of this guide.

Warning

For all installation, operation, and servicing activities:

- ⚠ Always wear durable work clothing. Loose fitting clothing should be avoided.
- ⚠ Always wear safety glasses. Eye protection is essential during all procedures.
- ⚠ Wear tight fitting leather gloves to protect your hands during handling. Parts may have sharp edges.
- ⚠ Wear hearing protection in enclosed areas or if noise levels are high.
- ⚠ Wear sturdy, oil-resistant, steel-toed shoes to protect your feet and for stability.
- ⚠ Wear support belts for lifting activities.

Personal protective equipment (PPE) will help to make installation, operation, and maintenance safer. However, it does not take the place of safe operating practices. Always be aware of your surroundings, stay alert, and pay careful attention as you work.

Fasteners Required

Several fasteners are supplied for the assembly of your UMC-750 Roof Cover. Please ensure that you have all fasteners readily available before starting the assembly of this unit. The supplied fasteners are:

- (2X) 3/8"-16 X 0.75" LG Button Head Cap Screws
- (7X) 1/4"-20 X 0.75" LG Hex Head TC Screws
- (7X) 1/4" Flat Washers

Fasteners used for installing the unit to your machine are solely at the discretion of the installer.

Before Installation

Before beginning installation of the UMC-750 Roof Cover, you and your crew must read and understand this product guide. Know what components you have, where they must be located, and how they are to be installed. Be aware of, and comprehend, all warnings shown in this guide. Verify that you have all the tools required for the job, and that they are all in good, working condition. And, open all crates or packages and inspect the contents prior to installing.

If you suspect there is a defect, contact your sales representative or Dynatect directly at 262-786-1500 immediately. If you elect to install questionable product, and a manufacturing defect is not found to be the source of the problem, any claim may not be honored.

The installation/removal details in this guide are recommended methods, but are not intended to cover all instances, building requirements, designs, or codes and regulations. Some field cutting and drilling may be expected from the installer as minor field corrections are a part of normal installation work.



- ⚠ Improper installation can result in damage to your product and/or property and may cause serious injury or death to you or a bystander.

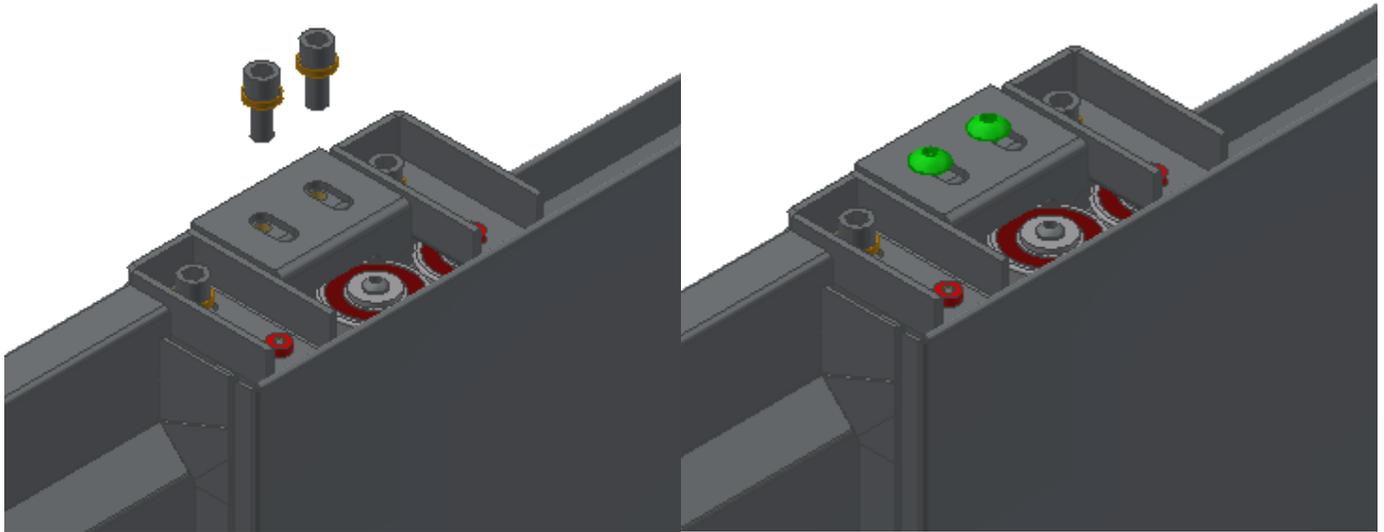
Installation of the Unit



- ⚠ The work area should be secured. All energy to the machine should be turned off (locked & tagged out) before any work is started.
- ⚠ Only approved lifting equipment should be used to move the UMC-750 Roof Cover. No homemade devices should be used.
- ⚠ Personnel should not be on or under the unit during installation of the UMC-750 Roof Cover.

Step 1 – Preparing UMC-750 for Roof Cover

- a. Remove (2x) Socket Head Cap Screws from upper door bearings and replace with (2x) 3/8-16 x 0.75” Long Button Head Cap Screws.



- b. Jog the spindle head to the home position

Step 2 – Cover Installation and Mounting

- a. Using a fork lift or overhead crane, lift the cover onto the top of the machine, while sliding the opening in the cover over the spindle head on the machine. NOTE: Two people will be needed for this process.
- b. Align the outer frame of the cover so the front-right corners of the UMC-750 and the outer frame are aligned. The outer frame should now be flush with the front and right sides of the enclosure.
- c. On the back-right mounting bracket hole (shown in Figure 1 below), drill a 7/32” hole into the UMC-750 enclosure.

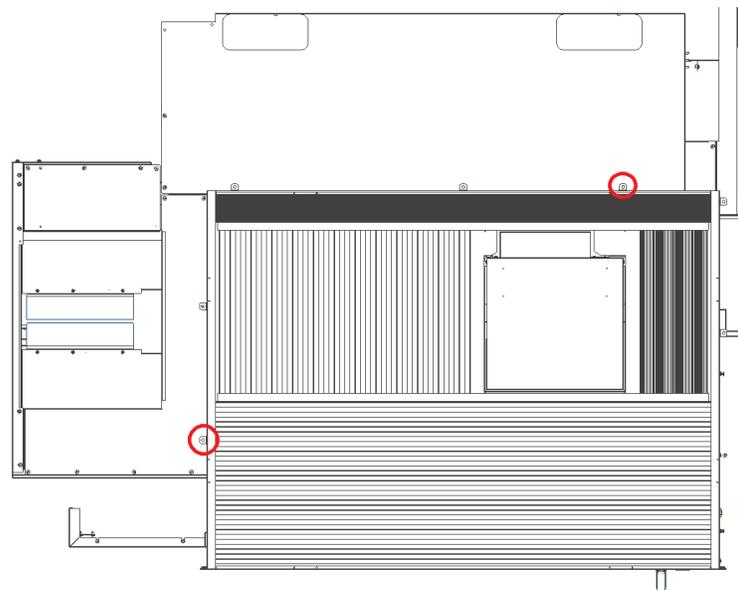


Figure 1: Alignment Mounting Brackets

- d. Install 1/4" x 3/4" Long Hex Head Sheet Metal Screw and Flat Washer into drilled hole, but do not tighten completely.
- e. Jog the spindle head to the opposite (front-left) corner.
- f. On the forward most mounting bracket on the left side of the roof cover frame (see Figure 1), drill a 7/32" hole.
- g. Fasten this mounting bracket to the UMC-750 enclosure with a 1/4" x 3/4" Long Hex Head Sheet Metal Screw and Flat Washer.
- h. Using a tape measure, measure the diagonal distance from corner to corner to check square-ness. Make adjustments, as necessary.
- i. Once cover is square, completely tighten the two mounting screws.
- j. The bellows system should now be aligned with the travel of the spindle head. Verify by jogging the spindle head around, looking for any signs of binding.
- k. If bellows travel smoothly, fasten the remaining mounting brackets to the enclosure.
- l. Remove lifting / squaring brackets. Keep brackets and fasteners on-site.

Removal of the Unit

Step 1 – Cover Removal

- a. Attach lifting / squaring brackets to each of the (4) corners using the supplied fasteners.
- b. Remove the mounting hardware from the (7) mounting brackets
- c. Using a forklift or overhead crane, lift the cover off the top of the machine. Be sure to clear the spindle head before moving off the machine enclosure.

Preventative Maintenance

Make certain that all operators are properly trained on the correct and safe operation of the UMC-750 Roof Cover. Carefully inspect the unit on a regular basis and perform all maintenance as required. Service and maintain this unit only with authorized and approved replacement parts.

The following chart is a summary of the maintenance/service intervals for the UMC-750 Roof Cover. Following this schedule is important to ensure the consistent performance and longevity of your purchase.

Interval (Days)	Action
30	Inspection of bellows for tears
30	Inspection of spindle frame for rubbing

Replacement Parts List

Item	Quantity	Part Number	Description
1	8	2000247	BEARING ROLLER
2	2	PN0344718-300-9	RIDER BLOCK, Z-AXIS
3	1	PN0344718-300-10	FELT WIPER, FRONT
4	1	PN0344718-300-11	FELT WIPER, RIGHT
5	1	PN0344718-300-12	FELT WIPER, LEFT
6	2	PN0344718-400	Y-AXIS HEAT SEAL BELLOWS
7	2	PN0344718-500	X-AXIS HEAT SEAL BELLOWS
8	4	PN0344718-700	LIFTING / SQUARING BRACKET

If you require assistance in identifying a part, or you cannot find the part you require from the above list; please contact your local sales representative or contact Dynatect directly at 262-786-1500.

Repair Services

Extreme wear conditions and accidental damage can sometimes occur which may necessitate the need for product repair or replacement. When critical parts require continuous protection while in operation, you can't afford to wait for a new unit. Dynatect offers expedited repair services. A repair can often be less expensive and faster than a replacement cover. To evaluate the repair and replacement cover options, contact a sales representative or Dynatect directly at 262-786-1500. Alternatively, if you are using an OEM or foreign cover, a Dynatect sales representative can pro-actively visit your site to evaluate the existing machine protection and recommend improvements.

Return Procedures

Damaged units cannot be returned to Dynatect without prior approval. A return material authorization (RMA) must be obtained first. If this unit must be returned, please contact your local sales representative or Dynatect directly at 262-786-1500 to set up your repair service.

Company Information

Dynatect Manufacturing, formerly known as A&A Manufacturing®, has over 65 years of experience in dynamic equipment protection manufacturing.

Headquartered in New Berlin, Wisconsin, Dynatect designs and manufactures a complete line of components to protect equipment and people. Products can be manufactured from metals, elastomer-coated fabric, rubber, polyurethane and engineered plastics. Our products include protective covers, cable and hose carriers, elastomer components, mechanical motion control. With tens of thousands of worldwide clients, and a library of more than 500,000 customized products, Dynatect has the broadest product offering to solve applications.

Our global coverage includes six manufacturing plants and two distribution locations. Our growth has been driven by our focus on manufacturing quality products and finding innovative and practical solutions that are valued by our customers. We rely on a commitment to continuous improvement, engineering innovation and manufacturing excellence to ensure a dynamic future.

Whether you need a simple off-the-shelf component, an engineered assembly, or a turnkey solution, Dynatect has the capabilities. Our knowledgeable customer service and sales people, including a network of sales representatives, can help you define how Dynatect can design and deliver exactly what you need to keep moving forward.

If you're looking for a functional solution, you've found the perfect partner in Dynatect®.

MARKETS

TRANSPORTATION

MEDICAL

OIL & GAS

CONSTRUCTION & AGRICULTURE

MACHINE TOOL & AUTOMATION

MAINTENANCE, REPAIR & OPERATIONS



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For Equipment and People

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