



Science.
Applied to Life.™

Solutions for your production challenges.

Woodworking Solution Guide

A calendar is mounted on the right side of the pegboard. It shows the month of January with dates from 2 to 31. The name 'Gret Wilson' is visible at the bottom of the calendar.

	2	3
8	9	10
15	16	17
22	23	24
29	30	31

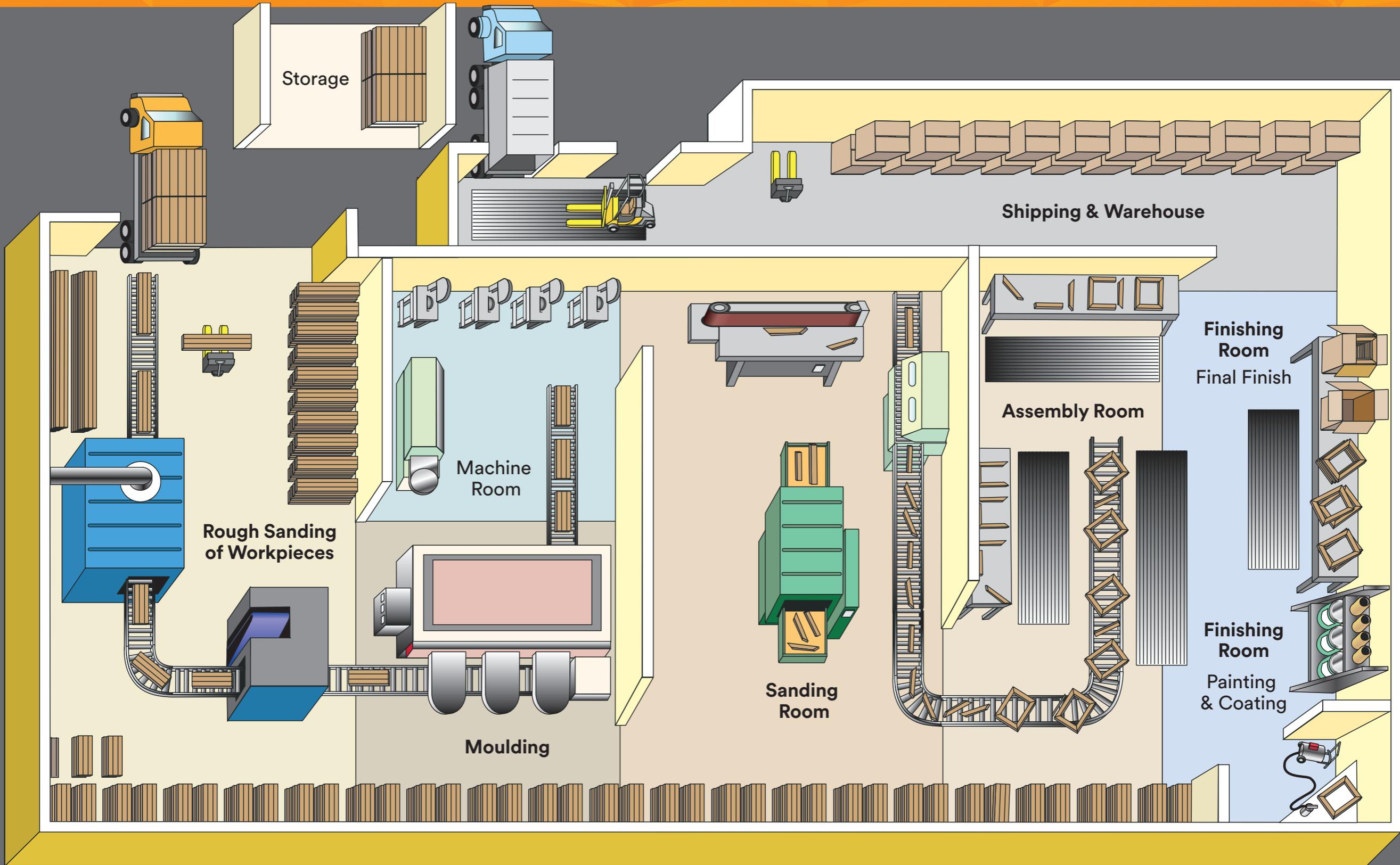


Woodworking Facility Map — Click an area in the map



Overview

Applications





Woodworking Solutions

It takes true technical expertise to develop specific and advanced solutions for improving woodworking processes. Every step of the way, 3M provides this technical foundation, as well as a commitment to innovation which brings new technologies to market and helps solve customer needs for the entire woodworking industry.

3M products are used from the first stages of lumber processing, to final finish sanding with automation or air tools, to assembly, to painting and even packaging. 3M also offers a complete range of personal safety solutions for use throughout the woodworking process.

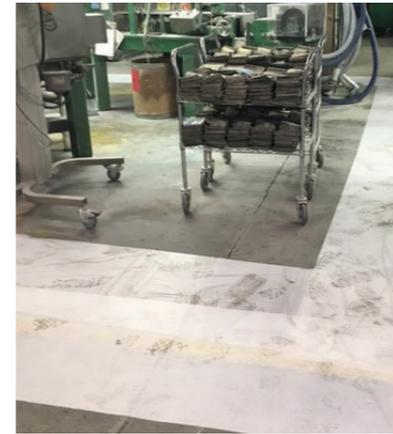
Additionally, 3M offers a broad, unmatched level of service through our highly-trained, experienced technical and sales organizations. This, combined with a rich array of innovative products at the forefront of the industry, makes 3M Woodworking products the complete choice for woodworking specialists.

Small custom wood shops, high-production cabinet facilities, and large furniture manufacturers alike have depended on 3M for many years to offer solutions to product application and specification issues. 3M provides a broad range of solutions to improve processes and make quality craftsmanship attainable for woodworking customers around the world.



Surface Preparation

In woodworking, having the right finish takes intricate care, attention and technique to ensure a desired finish. 3M abrasive technologies offer the ultimate performance for this phase of the application process.



Final Finish

Finishing is the final step of the manufacturing process that gives wood surfaces desirable characteristics, such as enhanced appearance and increased resistance to moisture and other environmental factors. 3M tape and spray equipment technology as well as protective products offer versatility and help make the refining process as seamless as possible.



Assembly

Improve your woodworking design and assembly process with industrial adhesives that can be readily matched to substrates and stress characteristics. From detailed work to high volume, large surface applications, 3M adhesive technologies offer nearly invisible fastening capability that reduce process steps and increase speed and productivity.



Storage & Transportation

3M's packaging tape line securely closes a wide variety of boxes and cartons, including those with high recycled content. The polypropylene backing resists abrasion, moisture, chemicals and scuffing to hold strong throughout the shipping process.



Painting & Coating

Whether its painting, coating or staining, 3M tape and spray equipment technology as well as protective products offer versatility and help make this detailed process easy, fast and safe while ensuring the optimal aesthetic performance for your product designs.



**3M™ Cloth Belt
370DZ**



**3M™ Abrasive
Wide Belts**

Don't forget Personal Protection Equipment!



3M™ Foam Earplugs 1100



3M™ Particulate Respirator 8511, N95



3M™ SecureFit™ Protective Eyewear, Foam Gasket



3M™ Virtua™ CCS Protective Eyewear



3M™ Solus™ Protective Eyewear Kit, 1000 Series



**3M™ Masking Tape
201+, 301+, 401+**

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**3M™ Foam
Earplugs 1100**



**3M™ Particulate
Respirator 8511, N95**



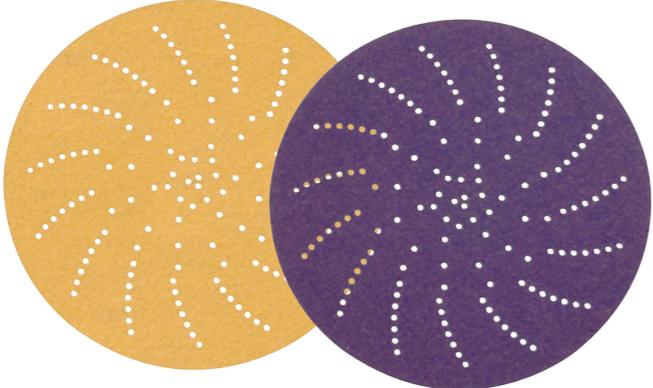
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Protective Eyewear,
Foam Gasket**



**3M™ Virtua™ CCS
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**3M™ Solus™
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Kit, 1000 Series**



3M™ Clean Sanding Discs



3M™ Stikit™ and Hookit™ Discs 735U



3M™ Elite Non-Vacuum Random Orbital Sander



3M™ Elite Self-Generated Vacuum Random Orbital Sander

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3M™ Hi-Strength 94 CA Cylinder Spray Adhesive



3M™ Scotch-Weld™ PUR Adhesive TS230



3M™ Scotch-Weld™ PUR Easy 250 Applicator



3M™ Fastbond™ Contact Adhesive 30NF



3M™ Hi-Strength 90 Spray Adhesive



3M™ Hot Melt Adhesive 3792

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3M™ Solus™ Protective Eyewear Kit, 1000 Series



3M™ Accuspray™ ONE Spray Gun System with PPS™



3M™ PPS™ Paint Preparation System



3M™ Dirt Trap Paint Booth, Floor and Surface Protection Material

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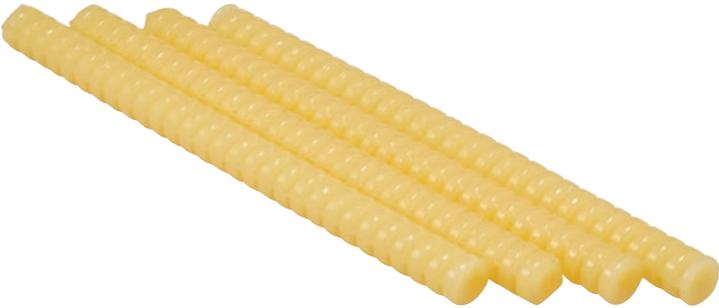
3M™ Virtua™ CCS Protective Eyewear



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**3M™ Hot Melt Applicator TC
with Quadrack Converter**



**3M™ Hot Melt
Adhesive 3762**



**Tartan™ Filament
Tape 8934**



**Scotch® Box Sealing
Tape 311+, 375**



**Scotch® Filament
Tape 898**

Abrasive Systems

A consistent finish every time is one of the most important requirements for woodworking production. Abrasive products conform to a wide variety of shapes and access even the most difficult-to-reach areas. With 3M abrasives you have products that can quickly and efficiently deliver the high quality results you need. That's why so many rely on 3M for the abrasives needed to be leaders in their industry.

Abrasive Belts

- 3M™ Woodworking Belts
966UZ, 364UZ, 366UZ, 466UZ
- 3M™ Edge Sanding Belts
970DZ, 370DZ, 384F



Random Orbital Sanding Discs

- 3M™ Stikit™ and Hookit™ Discs 735U
- 3M™ Stikit™ and Hookit™ Film Discs 375L
- 3M™ Stikit™ and Hookit™ Paper Discs 426U



Elite Series Power Tools

- 3M™ Elite Non-Vacuum Random Orbital Sander
- 3M™ Elite Self-Generated Vacuum Random Orbital Sander



Application:

Surface Protection

Assembly

Painting & Coating

Final Finish

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Adhesives

To bond wood to wood and virtually anything else, 3M brings it all together to help you assemble your woodworking design. Converting from mechanical fasteners to adhesives and tapes can offer many benefits. 3M has adhesives that are Low VOC, CARB/OTC VOC Compliant and help contribute to LEED® Credits. With their wide range of unique characteristics and their ability to bond a variety of substrates, 3M industrial bonding solutions can help you simplify attachments, streamline construction, cut costs and improve quality.

Spray Adhesives

- 3M™ Hi-Strength 90 Spray Adhesive
- 3M™ Fastbond™ Contact Adhesive 30NF
- 3M™ Hi-Strength Postforming 94 CA Cylinder Spray Adhesive

Hot Melt Adhesives

- 3M™ Hot Melt Adhesive 3762, 3762LM, 3792, 3792LM
- 3M™ Hot Melt Applicator TC with Quadrack Converter, 6111HT

Polyurethane (PUR) Adhesives

- 3M™ Scotch-Weld™ PUR Adhesives EZ250120, TS230
- 3M™ Scotch-Weld™ PUR Easy 250 Applicator



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Masking Tapes

3M™ Value Masking Tape 201+

3M™ Performance Yellow Masking Tape 301+

3M™ High Performance Green Masking Tape 401+

Box Sealing Tapes

Scotch® Box Sealing Tape 311+

Scotch® Box Sealing Tape 375

Filament Tapes

Scotch® Filament Tape 898

Tartan™ Filament Tape 8934



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Surface Protection

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Final Finish

Storage & Transportation

Painting & Coating



3M™ Accuspray™ ONE Spray Gun System with PPS™

The 3M™ PPS™ Paint Preparation System allows user to mix less paints, adhesives, coatings and finishes; reduce solvent usage by up to 70%; and speed cleanup time. The PPS™ system consists of a disposable lid and liner, and a re-usable cup and collar. Available in (5) sizes, the PPS™ system is an all-in-one disposable spray cup solution for mixing/measuring, filtering, spraying in any direction and temporary protection of coating materials when not in use.

The 3M™ Accuspray™ ONE Spray Gun was added to advance the benefits of the PPS™ System with goal of eliminating spray gun maintenance kits and cleaning. While it doesn't completely eliminate cleaning, the replaceable atomizing heads (available in (5) sizes) are see-through allowing visual confirmation the gun is clean. Simply remove and replace for the performance of a brand new spray gun on demand. The Accuspray™ ONE spray gun is your one spray gun solution from start to finish.

3M™ Dirt Trap is a paint booth protection and dust mitigation solution for paint booth walls, floors or any surface that you are looking to protect or keep clean.

Paint Preparation Systems

3M™ Accuspray™ ONE Spray Gun System with
3M™ PPS™ Paint Preparation System

3M™ Dirt Trap Paint Booth, Floor and Surface
Protection Material



Application:

Painting & Coating

Final Finish

Surface Protection

Assembly

Storage & Transportation



Personal Protective Equipment

Furniture manufacturing, cabinet making and mill working expose workers to a variety of hazards. Dusts and flying wood chips are some of the hazards encountered in woodworking and related applications. 3M Safety gear includes the latest safety eyewear, hearing and respiratory protection to help you keep your workers equipped, ready and able for whatever's next.

3M Protective Eyewear: 3M offers a selection of high quality protective eyewear that can help protect workers from these hazards. Our polycarbonate lens eyewear has front and side protection and is available in several styles.

3M Respirators: Painting and Coating operations may need respiratory protection for both particulates and organic vapors. An assessment of the area for respiratory hazards is required. 3M is a world leader in the design and production of respirators used in these applications. Whatever the job, 3M can help you provide a respirator that can help protect the worker from the hazards encountered.

3M Ear Protection: Workers who are exposed to the constant noises found in woodworking may suffer hearing losses if they are not properly protected. 3M offers hearing protection products that can help you protect workers in these environments. We have a variety of ear muffs and ear plugs that can help reduce exposure to damaging noises. These products are comfortable, effective and easy to use.

Protective Eyewear

3M™ SecureFit™ Protective Eyewear, 400 Series

3M™ SecureFit™ Protective Eyewear, Foam Gasket

3M™ Virtua™ CCS Protective Eyewear

3M™ Solus™ Protective Eyewear, 1000 Series with Clear Scotchgard™ Anti-fog Lens

Respirators

3M™ Particulate Respirator 8511, N95

3M™ Rugged Comfort Half Facepiece Reusable Respirator 6500 Series with 3M™ Organic Vapor Cartridge/P100 Particulate Filter 60921

Ear Protection

3M™ Foam Earplugs 1100

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**⚠ WARNING**

These respirators help reduce exposures to certain airborne particulates. Before use, the wearer must read and understand the *User Instructions* provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. Misuse may result in sickness or death. For correct use, consult supervisor and the user instructions, or call 3M in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.

⚠ WARNING

These eye and face protection products help provide limited eye and face protection. **Misuse or failure to follow warnings and *User Instructions* may result in serious potential injury, including blindness or death.** For proper use, selection, and applications against flying particles, optical radiation and/or splash, see supervisor, read *User Instructions* and warnings on the package, or call 3M PSD Technical Service in the USA at 1-800-243-4630. In Canada, call 1-800-267-4414.

⚠ WARNING

CAUTION! When worn according to the *User Instructions*, this hearing protector helps reduce exposure to both continuous noises, such as industrial noises and noises from vehicles and aircraft, as well as very loud impulse noises, such as gunfire. It is difficult to predict the required and/or actual hearing protection obtained during exposure to impulse noises. For gunfire, the weapon type, number of rounds fired, proper selection, fit and use of hearing protection, proper care of hearing protection, and other variables will impact performance. If your hearing seems dulled or you hear a ringing or buzzing during or after any noise exposure (including gunfire), or for any other reason you suspect a hearing problem, your hearing may be at risk. To learn more about hearing protection for impulse noise, visit www.3M.com/hearing.

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protectors at all times when exposed to hazardous noise may result in hearing loss or injury.** For proper use, see supervisor, Fitting Instructions, or call 3M Technical Support in the USA call 1-800-665-2942.

NOTE: 3M Strongly recommends fit testing of hearing protectors. Research suggests that many users will receive less noise reduction than indicated by the NRR due to variation in hearing protector fit, fitting skill and motivation of the user. If the NRR is used, 3M recommends that it be reduced by 50% or in accordance with applicable regulations. 3M PSD products are for occupational use only.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. **Warranty, Limited Remedy and Disclaimer:** Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. **Limitation of Liability:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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