PRODUCTION WOODSHOP COMPLIANCE

Production Woodshop NFPA 660 & OSHA Compliance Checklist

Know Where Your Facility Stands · NFPA 660 · OSHA · System Engineering

For informational use only. Does not take the place of a formal Dust Hazards Analysis.

Facility Name		**Date**	
Completed By		**Facility Type**	

01 NFPA COMBUSTIBLE DUST COMPLIANCE — CRITICAL

REQUIREMENT	YES	NO	N/A	NOTES
• **1. A Dust Hazard Analysis (DHA) has been completed under NFPA 660 for all dust-generating operations.** *NFPA 660 requires a DHA for any facility generating combustible dust. Wood dust qualifies. This applies retroactively to all existing operations.*	☐	☐	☐	
• **2. Dust collectors with dirty-side volume over 8 cubic feet are located outside OR protected by explosion venting, suppression, or containment.** *NFPA 660 Section 9.8.2. Most production cabinet shop collectors exceed 8 cubic feet. Indoor placement without protection is non-compliant.*	☐	☐	☐	
• **3. Isolation valves or abort gates are installed on duct runs connecting the collector to the building.** *NFPA 69 requires isolation to prevent flame propagation back through ductwork to machine operators.*	☐	☐	☐	
4. A spark detection system or other ignition control is in place upstream of the collector. *Wood chips and shavings from planers, moulders, and CNC routers frequently carry heat and small sparks into the collection system.*	☐	☐	☐	

02 SYSTEM ENGINEERING & AIRFLOW — HIGH

REQUIREMENT	YES	NO	N/A	NOTES
5. System CFM was calculated at every machine pickup point individually, not estimated from horsepower. *A collector sized from horsepower is correct for one machine. A multi-machine system requires individual CFM calculations summed for total demand.*	☐	☐	☐	
6. Duct transport velocity is maintained at 3,500 to 4,000 FPM minimum in all horizontal trunk runs. *Below this range, fine wood dust settles in horizontal ductwork and accumulates as combustible material inside the system.*	☐	☐	☐	
7. All ductwork joints are sealed and verified airtight. The system has not been extended or modified without rebalancing.	☐	☐	☐	

REQUIREMENT	YES	NO	N/A	NOTES
Duct leaks bleed airflow before it reaches capture hoods. A system can lose 15 to 20 percent airflow through joint leaks over time.				
8. Filter media is rated for the finest dust generated. Fine sanding and MDF operations require 1-micron or better filtration. *OSHA wood dust PEL is 5 mg/m3. Standard bag filters pass the fine fraction responsible for most of the breathing zone exposure.*	☐	☐	☐	

03 OPERATIONS & DOCUMENTATION — MEDIUM

REQUIREMENT	YES	NO	N/A	NOTES
9. A written housekeeping program defines dust accumulation limits and cleaning procedures for all production areas. *Indiana OSHA enforces combustible dust housekeeping under the General Duty Clause. Visible surface accumulation is an enforcement trigger.*	☐	☐	☐	
10. All employees working in dust-generating areas have received documented combustible dust hazard training. *NFPA 660 and OSHA both require employee awareness training. Training must be documented with dates and employee signatures.*	☐	☐	☐	
11. Filter differential pressure is monitored and recorded at the start of each shift. *Rising differential pressure is an early indicator of system performance decline. Waiting for visible suction loss means the system has already been underperforming.*	☐	☐	☐	
12. System capacity has been re-evaluated any time new machines were added or the production schedule increased. *A system correctly sized for one shift running flat out will be undersized the moment a second shift is added or new machines are connected.*	☐	☐	☐	

• **YES** = Compliant • **NO** = Gap, corrective action required • **N/A** = Not applicable

Assessor Name & Title | Signature / Date | Next Review Date

Is Your Production Woodshop NFPA and OSHA Compliant?

We've been designing dust collection systems for manufacturers since 1955.

- ✓ **NFPA 660 DHA Support**
- ✓ **System Sizing & Ductwork Layout**
- ✓ **Explosion Protection Specification**
- ✓ **Site Walkthroughs, Most Questions Answered Same Day**

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NOT A SUBSTITUTE FOR A DUST HAZARDS ANALYSIS (DHA). This checklist does not take the place of a formal Dust Hazards Analysis (DHA) as required by NFPA 660 Chapter 7. A DHA must be performed or led by a qualified person with documented experience and education in combustible dust hazard assessment. Completion of this checklist does not satisfy the DHA requirement under NFPA 660, OSHA standards, or any applicable federal, state, or local regulation.

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