



# ARE YOU READY FOR A NEW SPRAY BOOTH?



Evaluate the effectiveness and safety of your current spray booth to determine if your current setup should be upgraded, expanded or replaced so that you can meet production goals and protect your operation.

## VENTILATION

### Contaminant Protection:

- yes  no 1. Containment: Are dust, fumes, painting operations, etc., controlled? Is there an enclosure or ventilation system designed to control them?

### Mechanical Ventilation System and Code Requirements:

- yes  no 2. Required Airflow: Does your booth meet the 100 FPM requirement through its cross section?
- yes  no 3. Adequate Airflow Velocity: Is booth equipped with overspray collection filters that have visible gauges (e.g. manometer), audible alarms or inspection protocols?
- yes  no 4. Recirculation: Does your booth design ensure that air exhausted from spray operations is directed outdoors by the exhaust fan and away from intake openings?
- yes  no 5. Ventilation: Is spray booth completely ventilated before using the drying apparatus?

## EQUIPMENT DESIGN

### Production Requirements:

- yes  no 6. Booth Size: Does it adequately accommodate part, configuration and painter for effectively applying finishes?
- yes  no 7. Production Speed: Does spray booth have the proper equipment to deliver to high volume production goals?

### NFPA Construction Requirements:

- yes  no 8. Construction: Are booth and exhaust ducts constructed using a minimum of 18-gauge steel panels, with absolutely no aluminum structural support?
- yes  no 9. Interior: Are the interior surfaces of the spray booth constructed to prevent the accumulation of residue?
- yes  no 10. Exhaust Fan: Are belts and pulleys fully enclosed?
- yes  no 11. Noise: Are noise levels from fans in the spray booth below 85 dBA?
- yes  no 12. Access: Do exhaust ducts have access doors to allow for required cleaning?
- yes  no 13. Lighting: Are all the fixtures for the spray booth interior properly illuminating all areas? Have they been upgraded to more efficient LEDs?

### NFPA Safety Requirements:

- yes  no 14. Fire Hazard: Is the spray area free of hot surfaces?
- yes  no 15. Safety Access: Are there emergency exits with the proper spacing of less than or equal to 25 feet?
- yes  no 16. Door Design: Are personnel doors at least 3 feet wide and do they open outward from the booth?
- yes  no 17. Window Safety: Are all observation windows on the booth heat-treated safety glass?
- yes  no 18. Fire Safety: Do fire suppression systems meet NFPA 33 & NFPA-71  
a. Make sure they do not need to be evaluated, upgraded or replaced.
- yes  no 19. Booth Location: Is spray booth located at least 3 feet from a fixed wall or other operations? Does its current location violate any codes?
- yes  no 20. Proximity to Ignition Sources: Is the spray area at least 20 feet from flames, sparks, operating electrical motors and/or other ignition sources (i.e., welding operations)?

If you answered “no” to any questions, your spray booth is in violation.

It is important to continually assess the viability of your spray booth to address any non-conforming design elements as quickly as possible. The consequences of unreliable equipment can compromise painter and facility safety, leading to higher operation costs, less efficient production and the possibility of penalties and fines. To avoid operational pitfalls, contact a Spray Systems technical advisor to discuss potential solutions and how they best apply to your current spray booth.

