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Cleaning House

How To Prepare For 2021

Although some businesses have been hit hard this year by the unfortunate circumstances that the CoVid19 pandemic has presented, the market for paints and coatings has seen an increase in various applications, boosting the total market value in many regions. Additionally, the market for solvent-borne paints and coatings is not going down as it was anticipated, and this has added to the increase in the total market value of paints and coatings. With an estimated market share in 2020 of \$15.6 billion worldwide, and projected growth to be up 5.1 % over the next five years¹, making sure the tools of your trade are in top shape is as important as ever.

How are you preparing your equipment to best serve your clients in the the new year? Check out these tips to keep your most important investments clean and working to their fullest potential.

Check your spray tips

- Latex - Replace after 15-40 gallons
- Oils & Stains - Replace after 35-60 gallons





Spray Gun Paint Patterns

Faults and Remedies



Top Heavy Spray

Cause

- a) Wing holes partially obstructed
- b) Damaged or obstruction of material nozzle tip
- c) Air cap or material nozzle not sealing correctly due to dirt or damage



Bottom Heavy Spray

Cause

- a) Wing holes partially obstructed
- b) Damaged or obstruction of material nozzle tip
- c) Air cap or material nozzle not sealing correctly due to dirt or damage

Remedy

Turn the air cap 180 degrees.

If defective pattern is reversed, fault is due to air cap. Remove and clean air cap.

If defective pattern does not reverse, fault is due to material nozzle. Remove nozzle and clean.

Do not use metal objects to clear holes



Figure 8 Spray

Cause

- a) Too high an atomizing pressure
- b) Attempting to obtain too wide a fan spray with too thin a material

Remedy

Reduce air pressure.

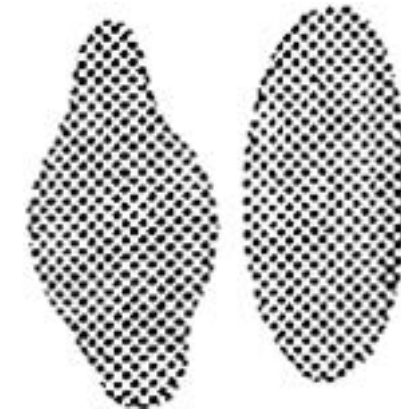
Open material control to fully open position. At same time, reduce width of spray pattern.

If material is being pressure-fed, increase pressure on container to increase material flow.

Uneven Spray

Cause

A fan spray that is heavy in the middle, or that has an atomized "salt-and-pepper" effect indicates too-low an atomizing pressure.

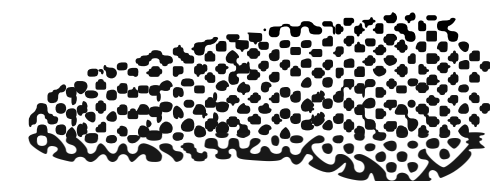


Remedy

Increase air pressure from your air supply.

Cause

Dried material around the nozzle tip restricts the passage of atomizing air at one point through the center of the air cap. Can also be caused by a loose-fitting air cap.



Remedy

If dried material is causing the issue, remove air cap and wipe off material tip using a rag vetted with thinners.

Tighten air cap.



U-Shaped Spray

Cause

- a) Air hole in either wing of air cap restricted or blocked, allowing full pressure of air on the other side to force the spray pattern in direction of the restricted or blocked side
- b) Material nozzle tip damaged or having particles of dirt or dried paint on one side



Remedy

Follow directions outlined above.

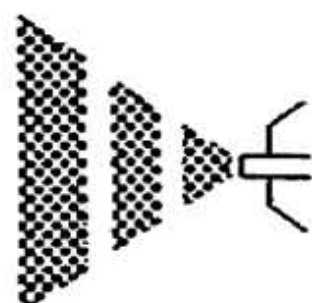
Spitting

Cause

- a) Dirt in material nozzle or loosely-fitted nozzle or air cap
- b) Dried-out gland packing around material valve
- c) Loose-fitting nut or fractured feed tube in container
- d) Insufficient material in container
- e) Obstructed fluid passageways

Remedy

- a) Clean and re-fit tightly.
- b) Lubricate and tighten. Replace gland packing if needed.
- c) Tighten or replace.
- d) Replenish material.
- e) Clean.





Keep your filters clean

To clean the filter screen on your sprayer, use a soft bristle brush to remove debris from the screen. Keep your spray gun filter to keep debris from entering your gun once you notice your spray patterns becoming distorted.

Clean your electric motor

Make sure to keep your sprayer's motor clear of paint and clean off any splatters, as any paint that collects on the surface can cause the sprayer to overheat.

Keep pumps flushed and clean

Thoroughly flush/clean the your pump after use. If you break your pump down, thoroughly clean the pump section and oil the valves. Apart from keeping your sprayer in good working condition, this will help with priming.

Strain your paint

Straining paint helps prevent debris from clogging your spray tips and damaging equipment. Pour paint through a strainer into another bucket before entering it into your spray system.





Consider your storage

Storing your sprayer under pressure may cause over-pressurization and is a general safety hazard. Make sure to leave the prime/spray bypass valve in the priming position to steer clear of this issue.

What will you do to get your business up and running smoothly in 2021? Wipe the slate clean and take this opportunity to refresh your inventory, restock supplies and revitalize your equipment.

Check out the following resources brought to you by our partners, and give CIS a call today!



**Titan Paint Sprayer
Parts And Accessories**



Binks Spray Gun Accessories



Graco Spray Gun Cleaning Kits



C.A. Technologies Accessories



COAST INDUSTRIAL SYSTEMS, INC.

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COMPANY OVERVIEW

Coast Industrial Systems, Inc. is the #1 supplier of painting and coating application equipment to the marine and manufacturing industries, and is proud to serve both San Diego and Mexico since 1986.

Coast Industrial Systems, Inc. has always placed the customer first, and strives for business excellence in all ways. Our friendly sales and customer service staff are knowledgeable, experienced and qualified to help meet your painting and coating application requirements, and to exceed your expectations.

**Graco Top 20 High-Protective Coatings & Foam Distributor
Award Winner 2010-2019**

