



IONSTAR®

Your Guide to Best Results

Getting the max. out of your IONSTAR

1. Preparing the Painting Process

IONSTAR is always used immediately before applying the coating.

Begin by preparing the workpieces as usual: degrease, sand, wipe, and mask the surfaces according to the requirements of the coating process.

2. Connecting the IONSTAR

Connect the device to a standard compressed air line.

IONSTAR is ATEX-certified, making it perfectly suited for use in spray booths.

Always use an electrically conductive (anti-static) compressed air hose for optimal performance.

3. Setting the Correct Air Pressure

Adjust the compressed air supply to the correct pressure level.

You can set the pressure directly on the compressor or use a pressure regulator in the air supply line. The maximum pressure limit must not be exceeded.

The rear-facing LED on the IONSTAR changes colour based on the input air pressure.

LED blinks green = *Pressure too low.*

LED constant green = *Correct pressure range*

LED constant Red = *Pressure too high*

IONSTAR Modell from 2022

Correct pressure range = 2,5 - 3,5 bar / 0,25 - 0,35 MPa / 36 - 50 Psi

IONSTAR Modell 2018 - 2021

Correct pressure range = 2,5 - 4 bar / 0,4 - 0,5 MPa / 58 - 72,5 Psi

4. Using IONSTAR in the Painting Process

IONSTAR is always used as the final step before applying the coating.

Start by preparing the workpiece as usual: degrease, sand, wipe, and mask the surface according to your shop's standard procedure.

To activate IONSTAR, simply press the trigger — the ionisation process starts automatically. The device generates its own energy, so there are no cables, no batteries, and no charging required.

Work quickly and evenly across the entire surface. The static charge is neutralised instantly, and the positive effects of using IONSTAR last for up to one hour.

Important: After treating surfaces with IONSTAR, avoid touching the surface or wiping it with a cloth — this can reintroduce static and contaminants.

For best results, use IONSTAR on the uncoated surface before painting, and between each individual coating step.

Each time, always use IONSTAR directly before each paint application.

This ensures that surfaces remain clean, static-free, and ready for a high-quality finish.

5. Correct Working Distance

For best results, use IONSTAR at a distance of 10 to 40 cm from the surface. This ensures even ionisation across the entire area.

The IONSTAR Model 2 includes a laser-guided indicator that shows the exact treatment zone in real time — so you always know where the effect is active.

6. Ready for Coating

Once treated with IONSTAR, surfaces are clean, static-free, and ready for coating.

The result: better adhesion, reduced optical defects e.g. (clouding and dark edges), significantly easier colour matching for metallic coatings.

By minimising rework, IONSTAR improves booth efficiency, helps stabilise quality and enables faster turnaround, providing a direct cost advantage.

