

Job readiness checklist

What to confirm before a laser cleaning system arrives on site. Power and the controlled area are the two items that most commonly cost a day.



01 Electrical supply confirmed at the work location

- ☐ 2,000 W system: 220 V single phase at 30 A
- ☐ 3,000 W system: 480 V at 50 A
- ☐ If generator power is the plan, size it properly. Extrinite's operations guidance references a 150 kVA generator for field work.
- ☐ Confirm the distance from the supply to the work face against the service lead reach: 60 ft on the 2,000 W, 100 ft on the 3,000 W.



02 Controlled area defined and barricading available

- ☐ Barricade material and signage on site
- ☐ Entry control agreed with the facility
- ☐ Adjacent trades and SIMOPS notified in the work plan
- ☐ Appropriate laser eyewear for every person inside the controlled area



03 Ventilation and extraction planned

- ☐ Air mover and ducting available if the work is enclosed
- ☐ Filtration appropriate to what is being removed
- ☐ Gas monitoring if the space requires it
- ☐ Coating being removed identified: what is in the film determines the respiratory protection



04 Surface condition and acceptance criteria agreed in writing

- ☐ What is being removed, and what is underneath it
 - ☐ Coating product and dry film thickness, if a coating is coming off
 - ☐ The cleanliness grade and the profile in mils that the finished surface must meet
 - ☐ Who measures, with what instrument, and who signs it off
 - ☐ Whether the coating manufacturer has confirmed laser ablation is acceptable for the product being applied
-



05 Substrate screened for known poor performers

- ☐ **Reflective metal:** Reflects rather than absorbs the beam; Extrinite's testing records reflective materials as not processable
 - ☐ **New steel with intact mill scale:** Recorded as poor performance in Extrinite's operations guidance
 - ☐ **Thick, hard, well-adhered coating:** Production rate drops sharply; in testing, a 50–70 mil system proved difficult and a hard edge could not be removed
 - ☐ **Large open area, bulk removal:** Abrasive blasting is generally quicker; laser ablation is a localized and restricted-access method
-



06 Operator training scheduled before production work

- ☐ Operator training scheduled before the first production surface

Questions: 346.217.6583 · info@extrinite.com · extrinite.com