

品質向上だけじゃない！ 環境にも貢献します

We not only improve quality, and also contribute to the environment.

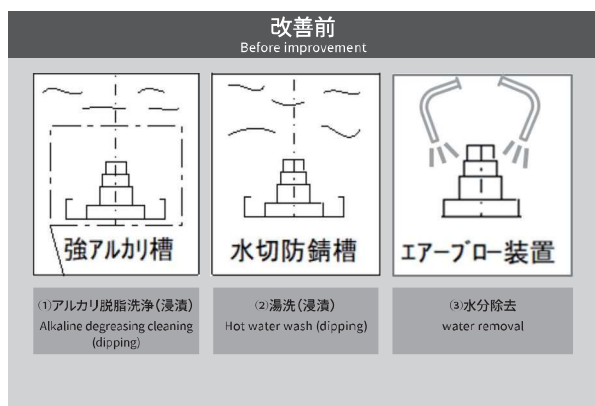
塗装技術への取り組み

Actions on painting technology.

》環境改善のための塗装前下地処理方法変更 Changed the surface treatment method before painting to improve the environment

- アルカリ洗浄液（強→弱）変更による特別管理産業廃棄物の廃止
Abolish specially controlled industrial waste by changing alkaline cleaning solution (strong → weak)
- プラズマ脱脂工法採用に伴う低温洗浄化による CO₂ 排出量削減
Reduced CO₂ emissions due to low temperature cleaning associated with plasma degreasing method

》工法比較 Comparison of construction methods



今までのムリムダはここ！ Traditional issues

塗装前製品に求められる状態として
Conditions required for products before painting



- 塗装下地に油分が残ると塗料が密着しにくい
If oil remains on the paint base, it will be difficult for the paint to adhere.

- 全体を脱脂しすぎると塗装無し部にサビが発生しやすい
If the entire body is degreased too much, rust will easily occur in the unpainted areas.

効果 Effect

- CO₂ 排出量削減
Reduction of CO₂ emissions
- 特別管理産業廃棄物の廃止（処理費用、人体への影響）
Abolition of specially controlled industrial waste (Processing cost, impact on human body)
- 塗装密着度の安定化
Stabilization of paint adhesion

技術的なポイントはこれ！ Technical points

塗装が必要な部位のみ脱脂したい
Degrease only areas that require painting

水滴試験にて、プラズマ処理表面が撥水性から親水性に変化しており有効性が確認できた
The effectiveness of plasma treatment was confirmed through a water drop test.



塗装の下地処理に必要な滑水性としてダイン値 40 以上が確保できた
We were able to secure a dyne value of 40 or higher, which is the water slipperiness required for the base of painting.

補足 Additional information

現在更なる環境対策として、アルカリイオン水での洗浄をトライアル中
We are currently trialling cleaning with alkaline ionized water as a further environmental measure.

人体へもやさしく、特別な処理不要
Gentle on the human body, no special treatment required