

“Super Alkali Ion Water” Implementation Examples (Construction machine manufacturer) Industry N

Super Alkali Ion Water was used to remove excess oil before the coating process and was used in the manufacturing of construction machines.

It removed the danger and risk of paint thinner.



The image is an example



“Super Alkali Ion Water” Implementation Examples (Automobile Manufacturer) Automobile H

Used to remove the oil before the coating process, and was used in manufacturing trucks.

Substituted IPA with Super Alkali Ion Water.

Increased safety and environment.

Decreased proportion defective.



The image is an example



"Super Alkali Ion Water"

Implementation Example

UB-113
pH13.1 Generator



Implemented the pH13.1 Generator for cutting and removing oil

It has been implemented in approximately 30 places at Komatsu

(Tochigi factory, Koyama factory, Koriyama factory etc.)

pH13.1 SAIW was implemented when the cutting oil was changed to a water-soluble substance

Reduce use of
trichloroethylene

Increased
separation of oil

Washing and
removing oil
Washing
equipment
(ultrasound)
Washing tools

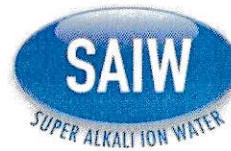
Coating booth
Prevents rotting
Sludge
productivity

Cleaning
Machine and
floor cleaning
Decreased use
of chemicals
Shortened time

"Super Alkali Ion Water"

Implementation Example

UB-113
pH13.1 Generator



Implemented the pH13.1 Generator for removing adhesive agents

Implemented in Nitto Denko

(Increased the banned area to bring organic solvents)

Implemented the pH13.1 SAIW for washing cutlery and adhesive agent production caldron

Major
Improvement
in Safety

Decreased
use in ethyl
acetate and
toluene by
70%

Washing and
removing oil
Washing
equipment
Washing tools

Used in cleaning
Cleaning the
machine
Floor cleaning
Decreased use of
chemicals
Shortened time