

“Super Alkali Ion Water”

(Examples of usage in washing)

Component Washing

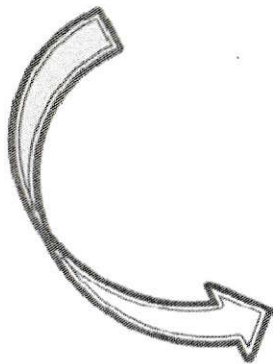
Problems

Not enough washing, residue
of the detergent, lower quality
Health hazard if the warmed detergent
is inhaled

- Detergent start rotting
- Cost of the detergent



The image is an example



SAIW will solve this!

Since the environment will become strong alkaline, the detergent will not rot.

Even if the warmed detergent is inhaled, there will be effect towards the workers.

Decrease the amount of washing and the amount of water
No residue of the detergent and will decrease the problem of not enough washing.

Consequently, contributes to a decrease in cost.

“Super Alkali Ion Water”

(Examples of usage in cutting)

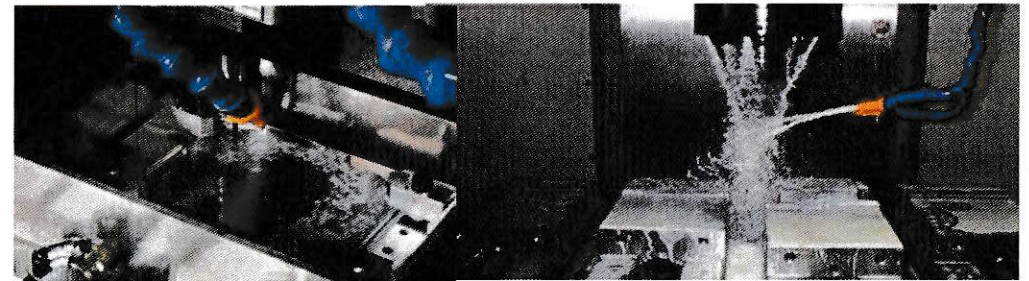
Cutting liquid of metallic parts

Problems

Due to the water soluble cutting liquid oxidizing, it causes the anaerobic bacteria to reproduce

- The bad odor is at its peak from the start of Spring to Summer
- Preventing the cutting liquid to rot, extending its usage is something to work on

The image is an example



SAIW will solve this!

Mix the diluted water with SAIW and set the pH to 11.

By preventing the oxidization, it can suppress the reproduction of bacteria and the rotting smell.

Moreover, it will prevent the rotting of processed metals.

At the same time, it also increases the washing effectiveness.

“Super Alkali Ion Water”

(Examples of usage in cooling down water)

Cooling
Water

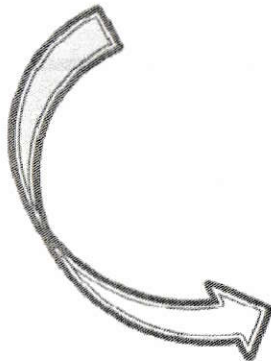
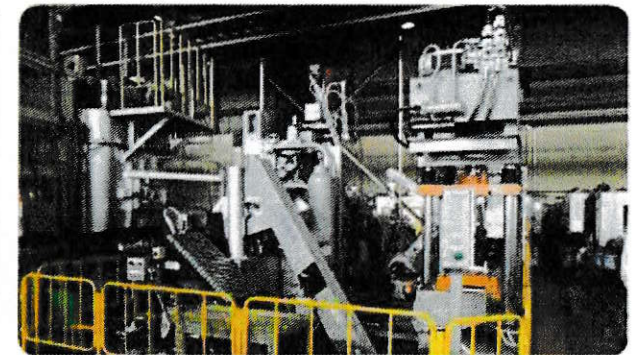
(Metal mold casting, aluminum die cast, resin molding, injection, air-conditioning etc.)

Problems

The quality of molding decreases when cooling and decreases the yield.

The inside of the pipes will become corrode, form sediments and rot when cooling due to oxidization
The cooling effect decreases due to the rotten smell.

The image is an example



SAIW will solve this!

It suppresses rotting and rusting of the pipe. The cooling water is able to reach into more areas and the cooling effect increases.
It improves the quality of molding.

“Super Alkali Ion Water”

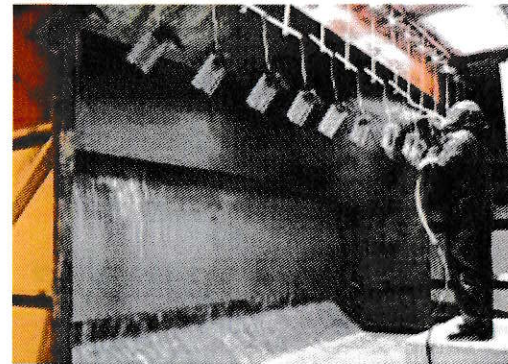
(Examples of usage in a coating booth)

Coating
booth

(Water wash booth)

Problems

The innards of the water wash booth
rotting due to oxidization
Anaerobic bacteria reproducing
Bad odor to the surrounding
environment
Health hazards towards workers



The image is an example



SAIW will solve this!

Mix the SAIW with the water wash booth, and keep an alkaline pH of 10. This will suppress the oxidization of the booth and prevent from any anaerobic bacteria to form

It stops the rotten smell, and increases the amount of yield for the sludge.

“Super Alkali Ion Water” Other Uses

(Industrial)

Automobile parts

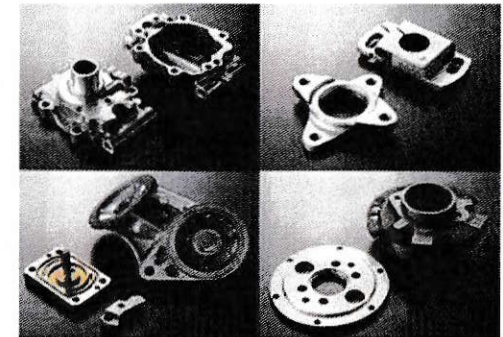
Washing the pressed processed parts



The residual oil from press processing, removing metal powder, interlock with the transfer press, complete removal of the residual oil, increased washing accuracy

Suppresses the rotten smell

Decreased industrial waste



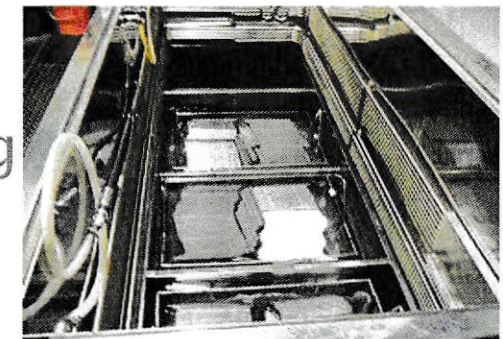
Precision Instrument Parts

Removal of polishing liquid and metal power after honing and grinding



Increases the washing ability and stops rusting
Suppresses the rotten smell of the detergent

The image is an example



“Super Alkali Ion Water” Other Uses

(Industrial)

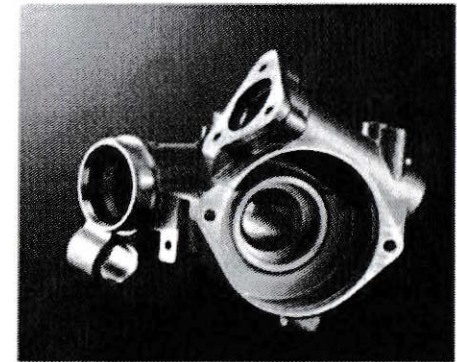
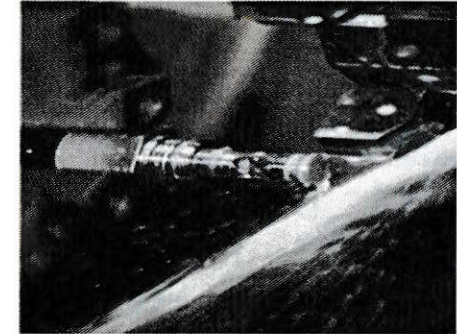
Airplane Parts

Washing the cut processed



Removal of the metal contamination and the coolants of the cutting parts

The cutting oil has no longer re-bonded,
and the rust prevention process has decreased
It can now reheat the detergent,
thus it dries better.



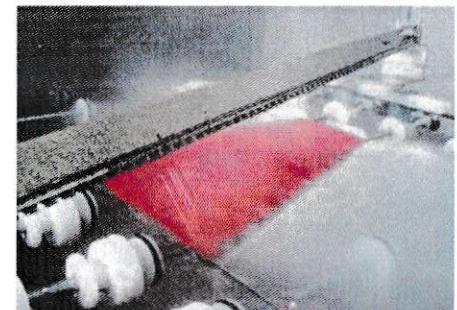
Optical Instrument

Washing the glass parts



Removal of glass powder after processing the glass with cutting liquid

Decreased the amount of pure water and washing time



The image is an example

"Super Alkali Ion Water" is 99.9% water

Examples of uses in metal processing factories

