

Changing the surface
can change tomorrow!

High-performance surface treatment

K R - M S

Did you have the following problems during the production process?

Cleaning rolls frequently and take a long time

The film material is easy to stick and difficult to peel off

Take a long time to clean T-Die

In a highly corrosive Environment wheels or T-Die Often needs to be replaced



K R - M S Can solve your problem !

About K R - M S

Hard chrome plating
Fill and seal tiny cracks and holes by
sandblasting

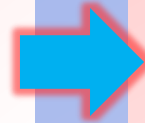
Advantages of each coating
Maintain abrasion resistance and gloss durability
Can improve surface cracks and holes



Can be processed on super mirror or matte surface

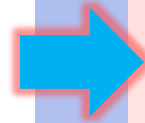
Advantages of KR-MS

Improved stain resistance



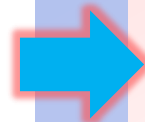
Easy surface cleaning

Improved corrosion resistance



Usable in corrosive environment

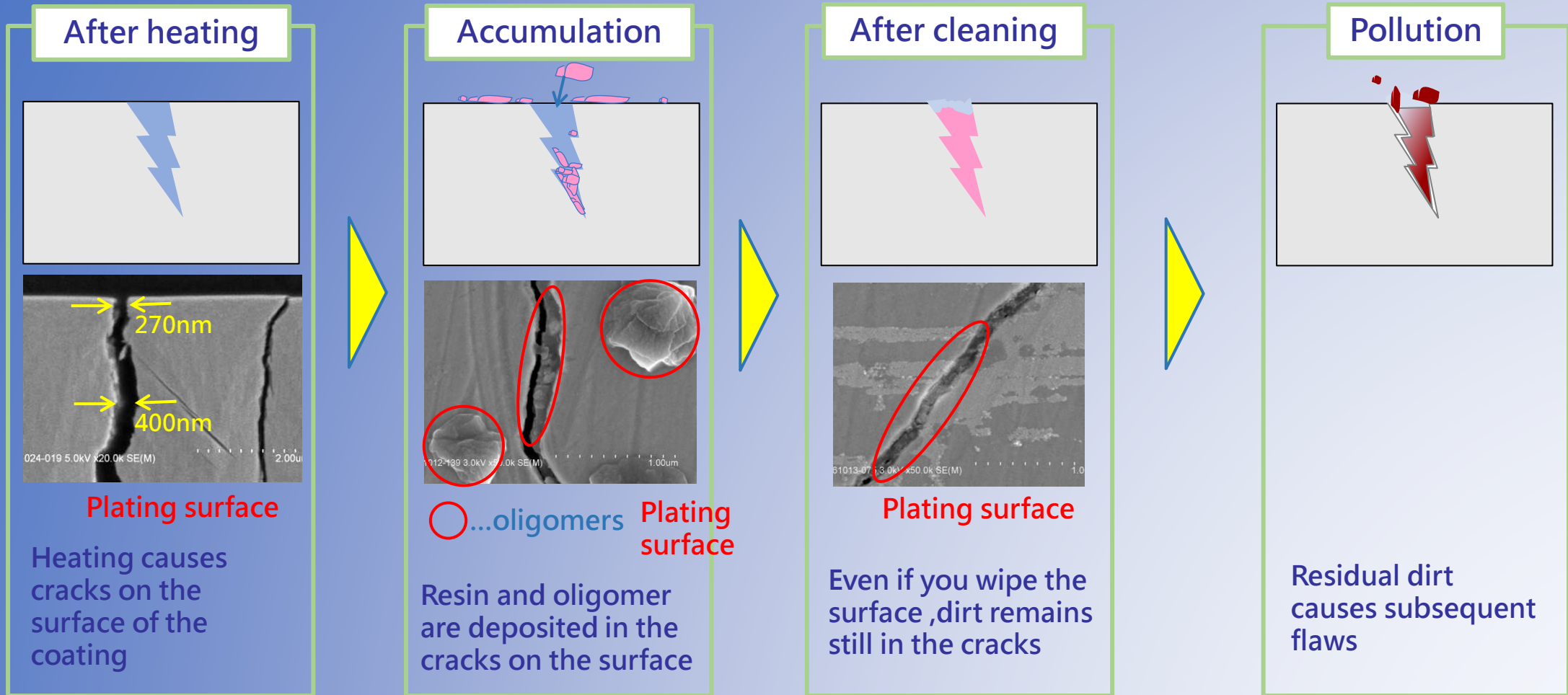
Improved peelability



Adhesive resin can be used

Can use organic solvents such as IPA, ethyl acetate, acetone to maintenance and cleaning

Observe the oligomers accumulated in the cracks of ordinary chrome plating



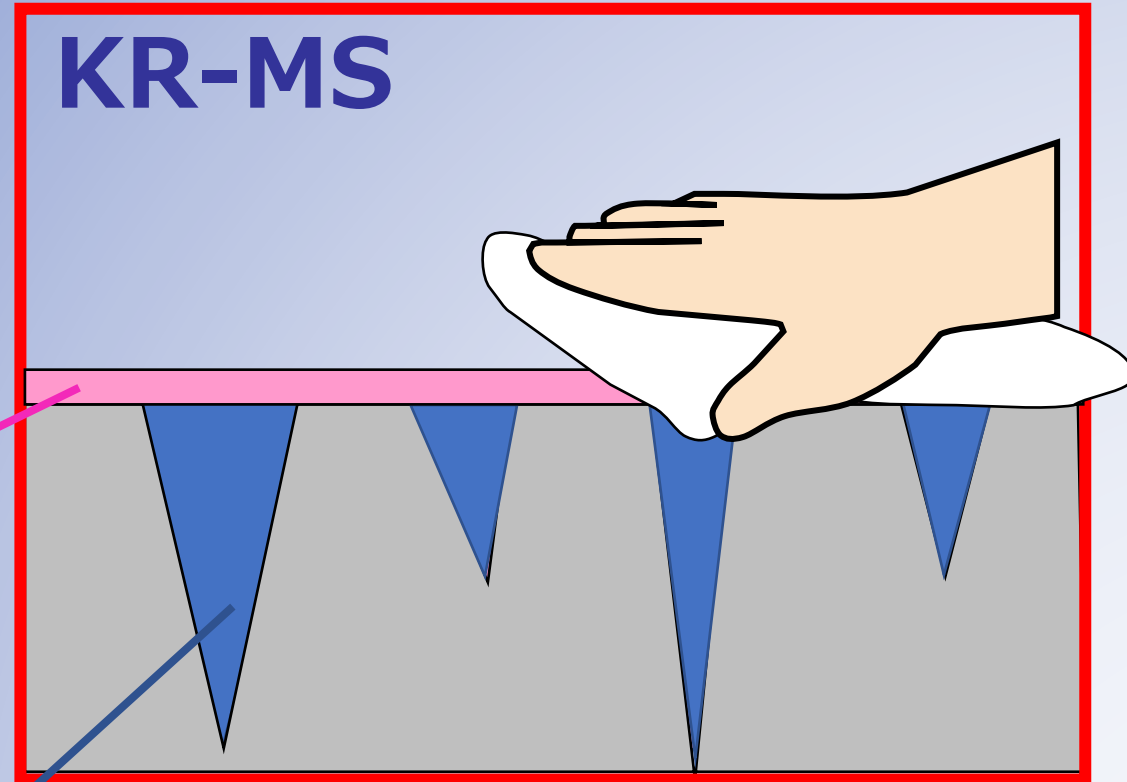
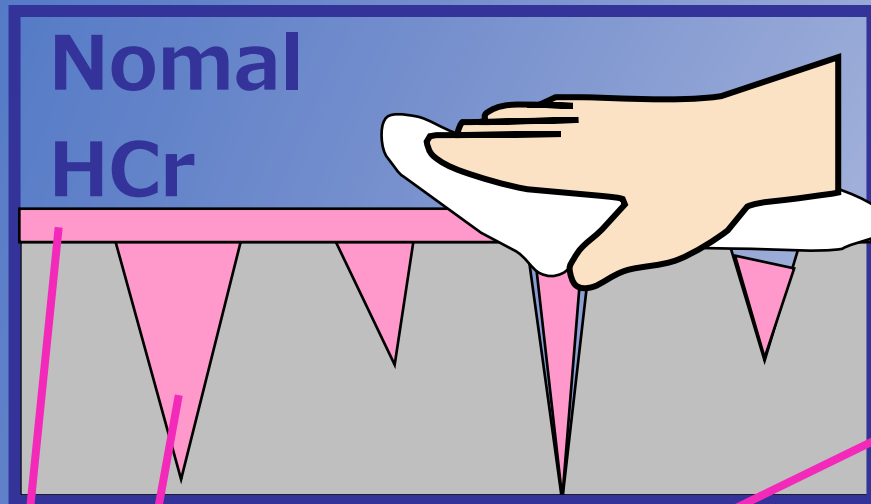
Dirt deposits in tiny cracks, which can lead to defects and surface roughness.

K R - M S

Can solve this problem!



Wipe comparison chart

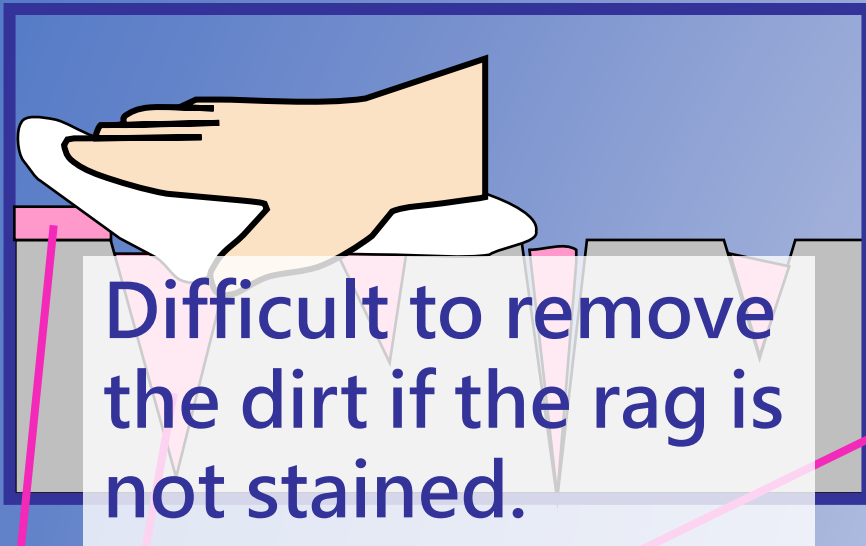


Dirt

KR-MS

Wipe comparison chart

Nomal HCr



KR-MS



Dirt

KR-MS

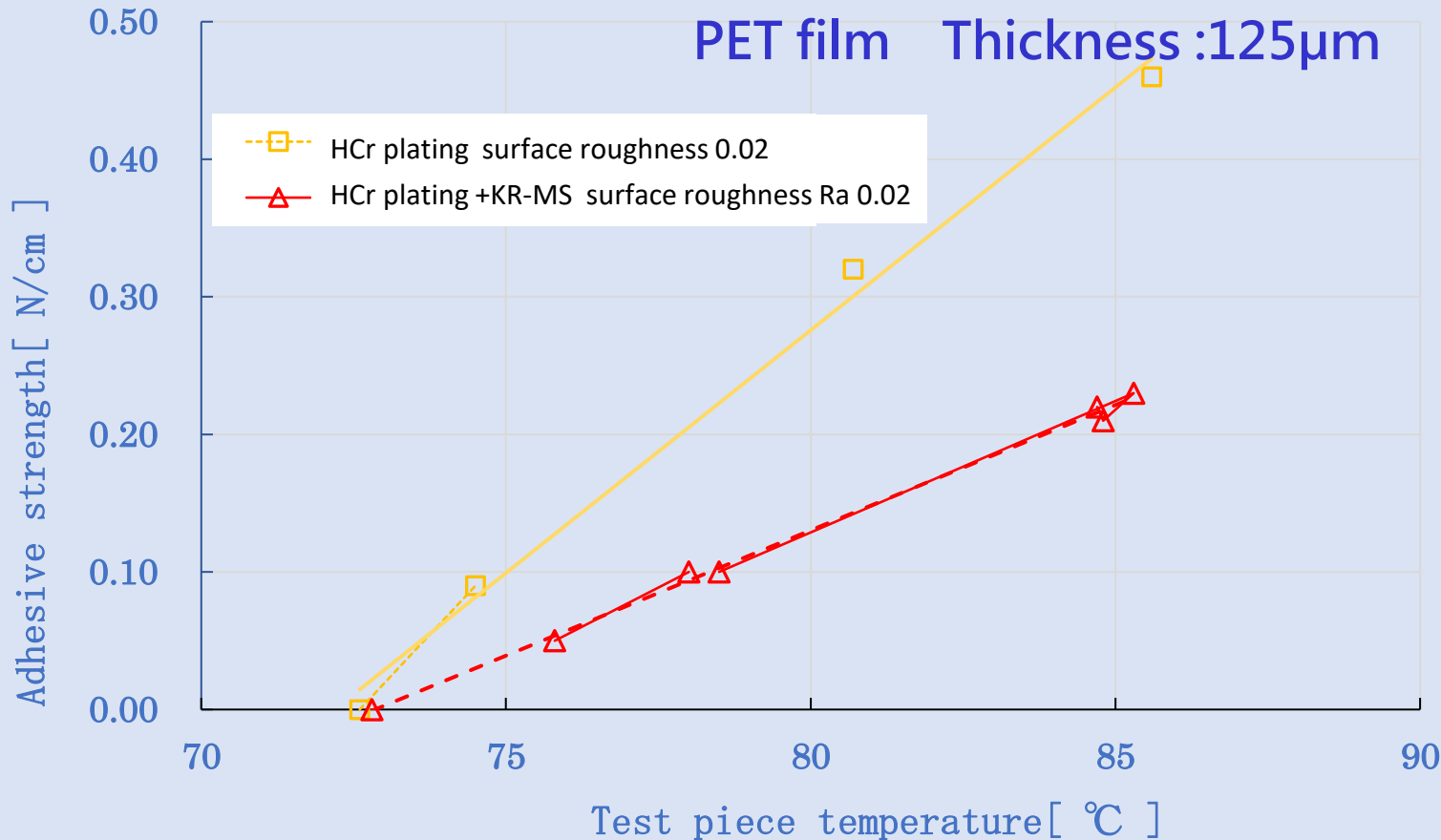
K R - M S peelability

Adhesion strength of PET film

HCr plating,

Surface Roughness: [Ra 0.02]

PET film Thickness :125 μ m



Ordinary chrome plating

0.70N/

cm²

KR-MS

0.22N/cm²

※At resin temperature of 100°C

K R - M S corrosion resistance

CASS corrosion resistance test

HCr coating thickness $56\mu\text{m}$

After 24 hours



HCr coating+KR-MS thickness $42\mu\text{m}$

After 24 hours After 72 hours



実施：埼玉産業総合技術センター

Heat-resistant effect of KR-MS

Heat-resistant
temperature 400°C

400°C × 16 times → Repeat three times with cold air

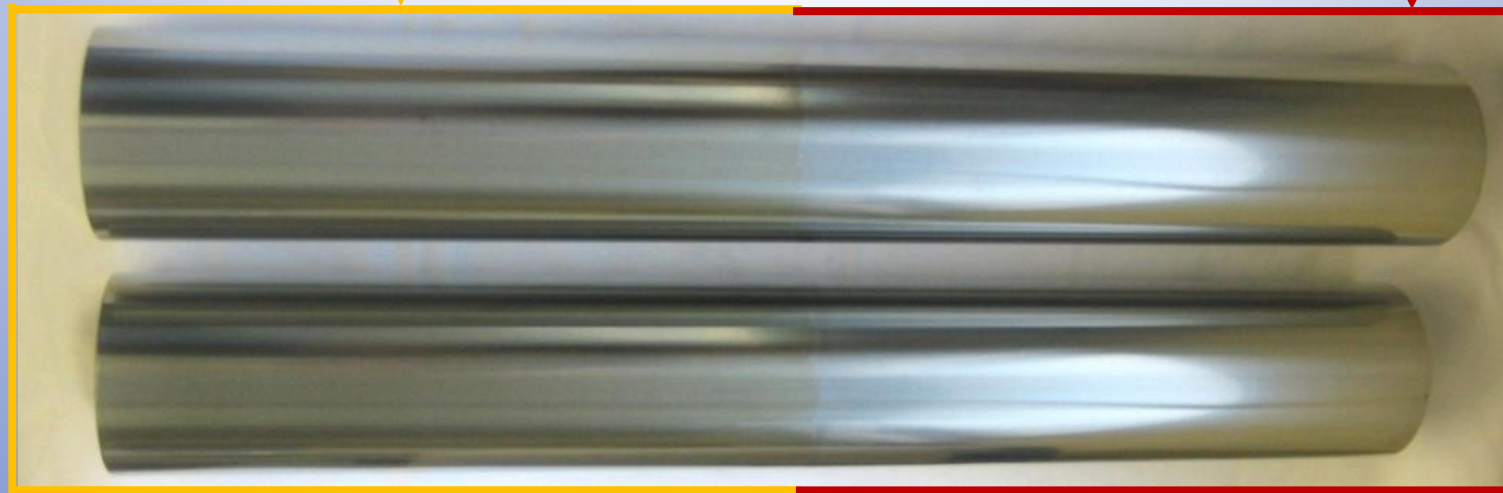
Cr chrome plating

Fading due to surface oxidation



Cr chrome plating + KR-MS

No discoloration



Case of KR-MS

More than 100 imported examples

Demand, according to several modes, applicable scope, applicable

Example① Metal rolls for optical coating

Specifications: Super Mirror 0.05s

Improve cleanliness and prevent microcracks from spreading

Example ② T-Die

Easy to clean, prevents surface cracks from spreading

Example ③ Laminating machine guide rolls

Easy to clean and improve peelability

(Teflon rolls can be used instead)

We have test samples
to provide customer
experience



受付

If you have any question
about KR-MS Efficient
surface treatment
Please feel free to contact us



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