

■ ULVAC Surface Treatment Technology

Under the consideration
of Environment

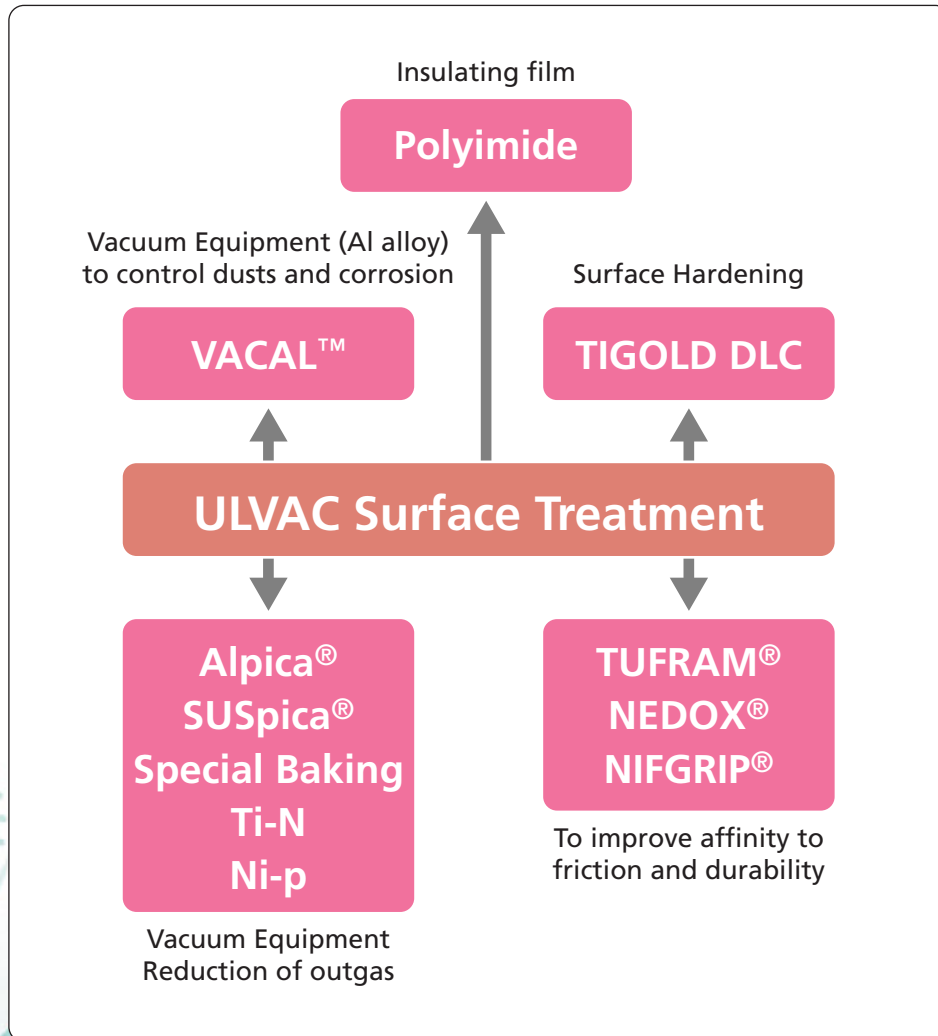
To improve the productivity

ULVAC make a proposal in the field
of Surface Treatment Technology

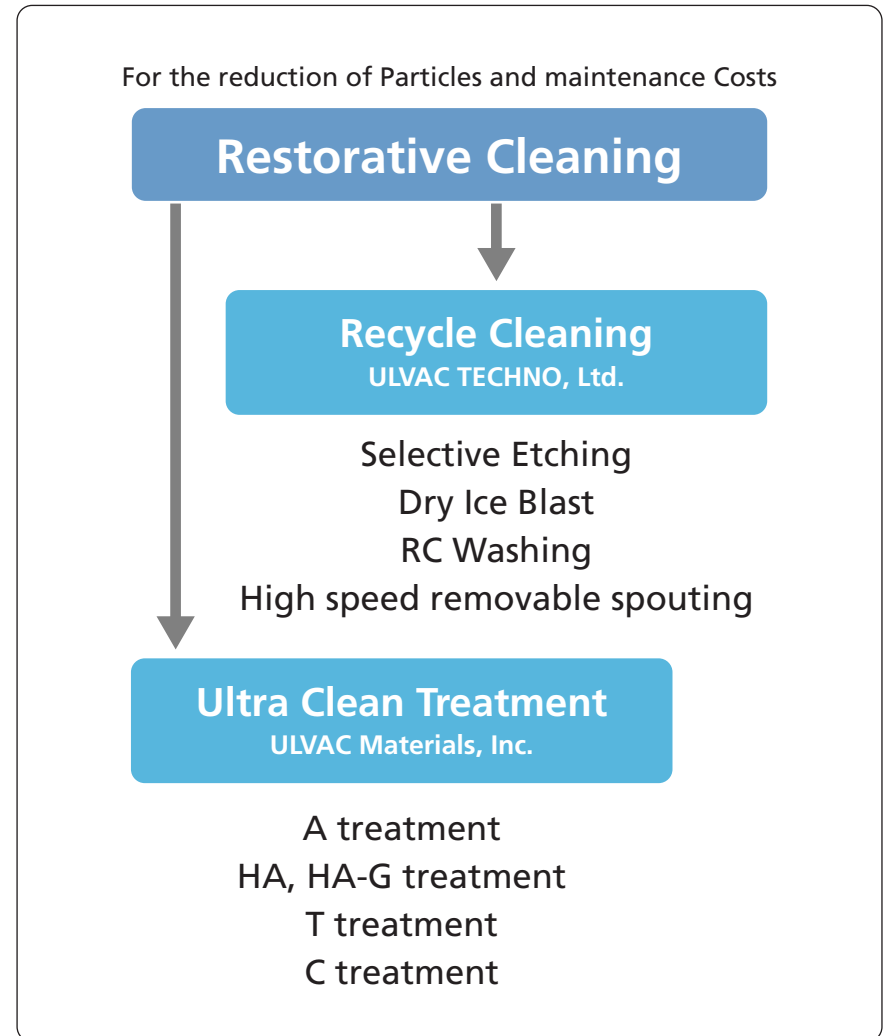
Low outgas
of Vacuum Equipment

Challenge to low cost,
high speed, and high quality

■ Surface Treatment



■ Restorative Cleaning



Examples for Solutions

Special hard alumite deposition treatment, reduced the surface crack drastically

VACAL®



By VACAL®, the generation of corrosion and dusts caused by surface crack at the heated areas near the plasma region of CVD and etching equipment are prevented.

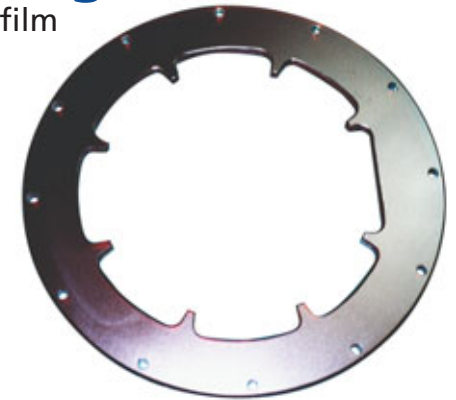
VACAL® is original developed technology by ULVAC TECHNO, Ltd.

Polyimide Coating

Example : Shock absorbed film

Etcher Parts
Silica made; Si wafer holder

In order to get shield effects, film is deposited on silica substrate.



Surface Treatment for Low outgas in a vacuum

SUSpica®

Available materials
SUS304, SUS304L
SUS316, SUS316L

Feature: Low outgas



UC-Treatment

For cost reduction on maintenance, and higher productivity with particle reduction.



- Long time operation without maintenance and high productivity with lower particle.
- Applicable to ultra-high vacuum.