



WINNINGTON



# **Shield Guard<sup>®</sup> – Metalizing Technology**

## A Perfect Solution Against Viruses

# What's Shield Guard® ?



- **Shield Guard®** is a metalizing technology. It is a compound, consisting of chromium, nickel and silver which projected onto the surface of stainless steel and fuses with it by ARC Spray
- It contains contain silver ions which exhibits low toxicity towards human cells and is well known for a broad spectrum of anti-bacterial activities
- Silver ion can cause denaturation of the bacteria's zymoprotein and destroy the metabolism and reproduction mechanism of bacteria

# Advantages of applying Shield Guard®



## ■ Anti-bacteria

- Shield Guard® is qualified to be effective to destroy Escherichia, the significant source of gastrointestinal disease and Staphylococcus which cause many life-threatening diseases such as pneumonia, meningitis, osteomyelitis, endocarditis, toxic shock syndrome (TSS) and septicemia
- Its anti-bacterial performance is permanent
- Copies of relevant test reports attached



# Advantages of applying Shield Guard®



- Non-Stick

- Shield Guard® is a metalizing process which high level of chromium, Nickel and silver alloys are projected and fused onto the stainless steel surface. It is able to provide a highly food release non-stick surface WITHOUT PFOA and PFTE. It is a Green material and its working temperature could be up to 1,000 Degree C.



# Advantages of applying Shield Guard®



- Scratch Resistance

- Shield Guard® can increase the scratch resistance performance of stainless steel surface significantly. While the normal stainless steel surface can withstand 30,000 cycles in the Dry Abrasion Test (using 3M Scotch-Brite#7448 pad), Shield Guard® can withstand up to 500,000 cycles without scratch marks appeared



# Advantages of applying Shield Guard®



- Anti-Fingerprint

- Shield Guard® can protect the surface of stainless steel cookware, serveware and other houseware products from fingerprint by keeping the sweat or/and grease on fingers not liable to be adhered to the surface. Therefore the surface can remain clean and esthetically pleasing



- Besides the test of anti-bacteria and scratch resistance, Shield Guard<sup>®</sup> is FDA compliance
- [FDA test report attached](#)



- There is a breakthrough improvement in the application technology of Shield Guard® in the last two years which makes the cost of this technology much more affordable
- Its application is also flexible which can cater many shapes and sizes of products
- We have available samples to test its performance of all the advantages