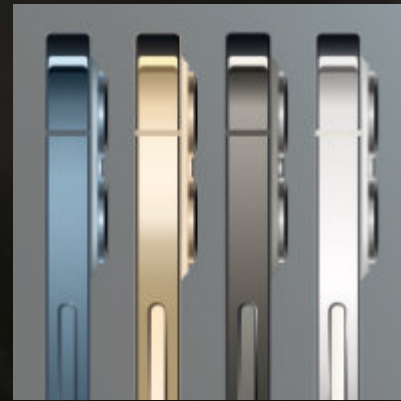


 **Kolzer** PVD2.0[®]



MK34" THE BEATING HEART OF THE NEW PVD 2.0®:

The PVD 2.0® technology allows extremely dense and homogeneous decorative/technical coatings with reduced production times. Maximum technical and aesthetic performance with sustainable technology and extremely low production costs. Kolzer® is your all-in-one partner, providing quality, 70 years of manufacturing expertise, and 24/7 technical support.



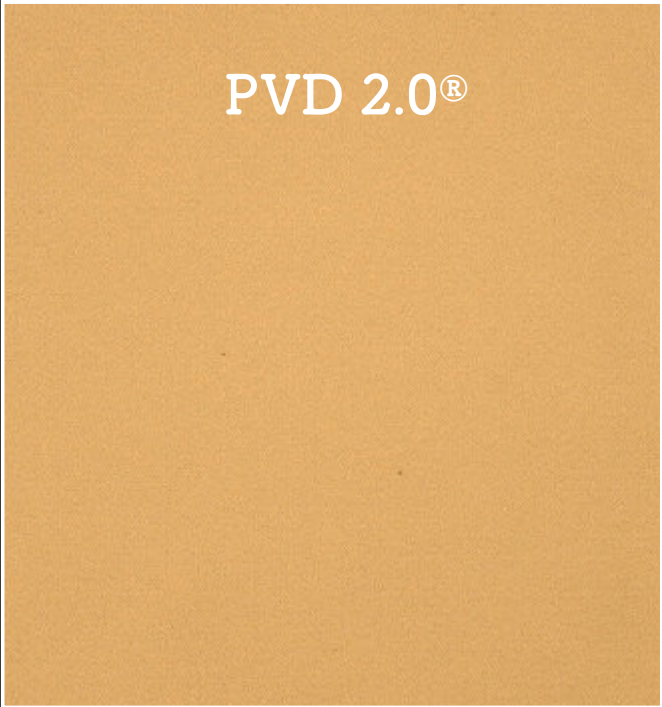
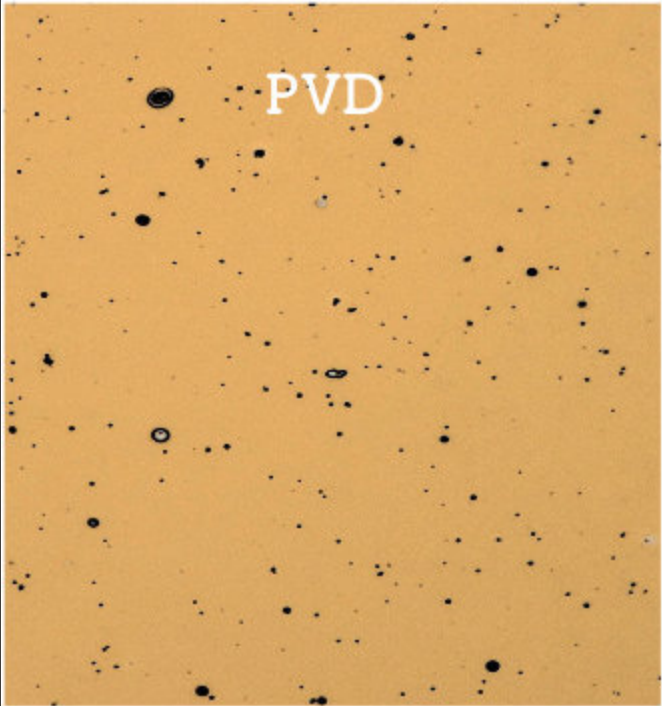


WHAT IS PVD 2.0®:

The new PVD 2.0® technology reconfirms the characteristics of traditional PVD and adds new, important and durable mechanical and chemical performance, compatible with all materials.

It is a Sputtering application where the molecule is energized by the high-power magnetron and with the support of gases allows to obtain a dense, compact and highly resistant coating.

The final treatment has a perfect adhesion for the preparation of the surface with the help of an ultra-efficient Plasma that meets even the hardest OEM standards.



PVD 2.0[®]: THE NEW ERA IS HERE



COATING
TEMPERATURE

Max 70-80 ° C- Compatible with all materials, including thermosensitive substrate; no stress of the coating.



STRUCTURE

Dense and compact coating composed of a diffuse and resistant atomic structure.



UNIFORMITY

Perfect penetration and uniformity in the cavities.



RANGE OF
SUBSTRATES

All kind of substrates, metals and non-metals.



MECHANICAL
RESISTANCE

Excellent resistances thanks to lower surface friction and dense structure, + 50% mechanical strength.



CHEMICAL
RESISTANCE

Compact structure, superior chemical resistance to salt spray and chemical tests.



CYCLE TIME

30-60 minutes.



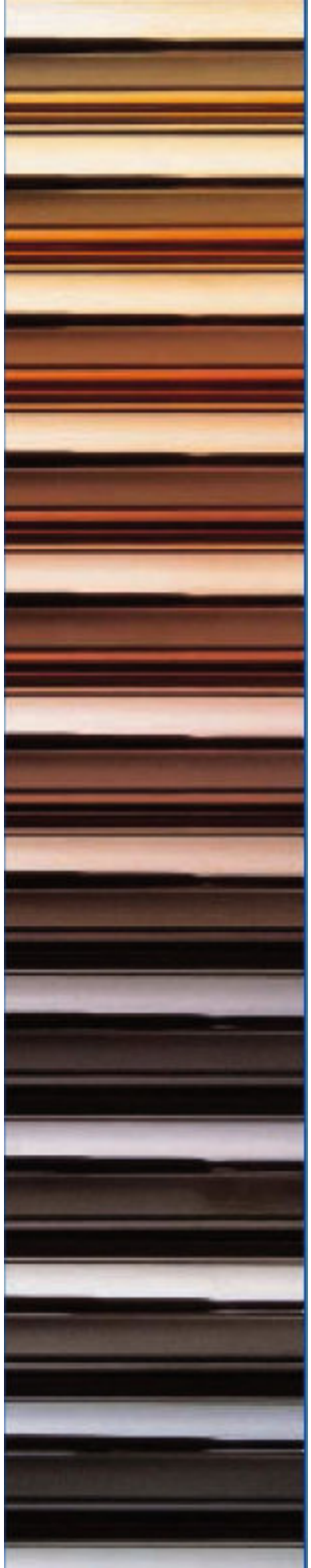
IMPRINTABILITY

Low tarnishing; "Easy to clean".



SCRAP

Low: no droplets / good uniformity and substrate penetration.



COLORS

The new MK34" offers the possibility to easily space on a wide range of natural and reactive metallic colors, with very high repeatability, starting from pure metals and metal alloys.

An inclusive technology compatible with all materials: Plastic, Metal, Glass, Ceramic and no distinction of shape and geometry.

TECHNICAL SPECIFICATIONS

- Double door to optimize production
- Very fast (< 3min) process cycle startup time
- Open and user-friendly software
- Modular design
- Online technical support
- Low energy consumption
- Multiple load positions
- Database with a wide range of processes and colors
- Quick color change



Kolzer MK34"

Kolzer MK34"

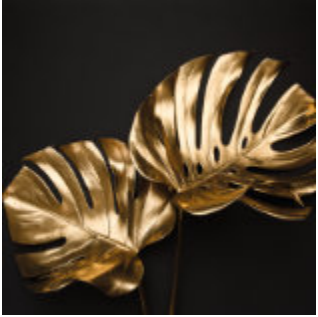
 **Kolzer**

MK34"



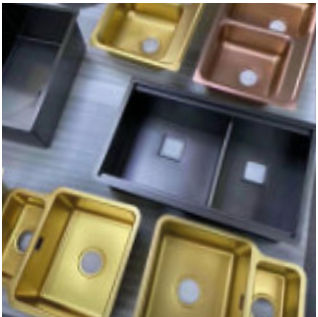


MK34" PVD 2.0® CONFIGURATIONS



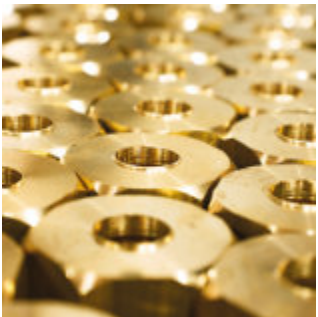
ULTRA DECO • LUXURY

It is the machine configuration dedicated to speed and performance. A specific preparation of the technical part of the process has been made for fashion and luxury accessories. This version offers remarkable production speeds while maintaining the excellent technical properties of the coating, showing lower energy consumption, a fast color change and better aesthetic and mechanical performance on metal and plastic components.



ULTRA POWER • DESIGN

Kolzer's PVD 2.0® machine meets the requirements coating in a wide range of colors, providing a decorative-functional coating on die-cast metal and steel materials, with a unique ability to withstand mechanical and chemical stress, maintaining the color unchanged over time with low imprintability.



ULTRA WEAR • TECNICO

The exclusive Ultra Wear system produces morphologically flawless coatings. The microstructure ensures perfect adhesion to the surfaces. The result is a dense and extremely smooth coating at the atomic level that greatly exceeds the quality and toughness of the classic Sputtering and PVD Arch coatings. It is particularly suitable where you want to get the maximum performance from a PVD, offering in production coating with mechanical characteristics anti-wear (tools and technical components) and electronic (fuel cells, electronic devices), even with complex functional substrates, maintaining the excellent technical properties of the coating.



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ATTENTION TO THE CUSTOMER 360° TO ACHIEVE SUCCESS

The Kolzer® team follows the customer step by step, from installation to tests, from the training of the operators to the use of the machines, the after-sales service, on site or remotely 24/7.

The attention to the customer also continues with the supply of spare parts and consumables.

Kolzer® MK34" is the ideal machine for those who want extreme performance with high quality.

