

VACUUM WASHERS MODIFIED ALCOHOLS . HYDROCARBONS



iFP
INDUSTRIAL FINISHING PLANTS

KP Kleen Power

KP.30 KP.EASY KP.HMA KP.HYBRID KP.HD KP.WTR KP.MAX

THE COMPANY



Established by a team of people with acknowledged, sound expertise in the industrial cleaning sector, IFP Europe srl has managed to achieve a leading position both nationally and internationally, so that it is considered one of the most reliable, innovative european manufacturers with a high-end production consisting of vacuum cycle cleaning machines. From lab tests to production integrated design, from solution customization to the system remote control via internet, the constant application of cutting-edge technologies, the attention to quality and reliability characterize IFP Europe srl and are the best guarantee a customer might have of a superb choice in all respects.

IFP

INDUSTRIAL FINISHING PLANTS

KP Kleen Power



THE CLEANING OF THE FUTURE... NOW

THE WIDEST SYSTEM RANGE ON THE MARKET

Thanks to their modified alcohol fully vacuum washing cycle with vacuum values up to 1 mbar and the wide range of standard and optional fittings, KP *Kleen Power* washers depict the best washing technology available on the market today.

THE BEST ENVIRONMENTAL QUALITY

KP *Kleen Power* washers fully operate in a vacuum environment, so that at the end of the treatment no washing liquid residues can be found on the treated components, or are released in the environment.



ENERGY SAVING ATTENTION FOR THE ENVIRONMENT LOW OPERATING COSTS

Distillation and the continuous filtration of modified alcohols and hydrocarbons used for washing and for the finishing of metal components that need treatment, with the aid of filters that allow the complete separation of the emulsions from the water with continuous automatic discharge, allow the total recovery of the dried and deodorized metal fillings already in the filter, and the recovery of 99% of the emulsifying oils present in the product that needs treatment.

The reuse of perfectly clean metal scraps and emulsifying oils, both recovered during the washing cycles of the washing machines, are put back in the production chain with remarkable both economic advantages for the company and ecological for the environment including the working one, thus corresponding to the virtuous circular economic model.

BETTER PRODUCTIVITY

Thanks to the reduction of the cycle time, KP *Kleen Power* washers contribute to a 100 % increase in production capacity and a 50 % decrease in electricity consumption.

BETTER WASHING QUALITY

KP *Kleen Power* washers constantly ensure better metal washing results, irrespective of the level of contamination and the component characteristics. This also applies in case of components with deep blind holes.

BETTER WASHING LIQUID MANAGEMENT

With KP *Kleen Power* washers washing liquid requirements are reduced to a few litres per year, and additional chemicals (stabilisers) are no longer required.

BETTER MANAGEMENT ECONOMY

KP *Kleen Power* washers allow complete separation of the oil from the washing liquid, so that it can be reused in the production cycle, with great financial advantages. Chips are also sorted based on material type, and daily maintenance is no longer required.

GREAT ECONOMIC ADVANTAGE



ECO-SUSTAINABILITY

Respect for the environment is one of the basic principles of our production philosophy



RECOVERY OF WASTE MATERIALS



ELECTRICITY SAVING



SAVE ON WASHING PRODUCTS



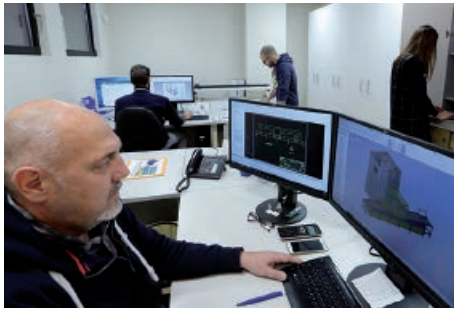
INDUSTRIAL FINISHING PLANTS

KP Kleen Power

THE WIDEST SYSTEM RANGE
ON THE MARKET

From dental implants to large die-cast products, the **KP Kleen Power** range (consisting of the KP 30, KP EASY, KP WTR, KP HYBRID, KP HD, KP HMA and MAX versions) meets the most varied production requirements. Working completely in vacuum conditions, all systems are characterized by:

- CONTINUOUS WASHING LIQUID FILTRATION
- DRYING AND DEODORIZATION OF THE SHAVINGS BEFORE OPENING THE FILTER
- CONTINUOUS WASHING LIQUID DISTILLATION
- CONTINUOUS SEPARATION OF THE EMULSION WITH AUTOMATIC WATER DISCHARGE
- TOTAL SEPARATION OF OIL FROM WASHING LIQUID, WITH CONTINUOUS AUTOMATIC DISCHARGE
- OPERATION DATA CONTINUOUS DETECTION
- REMOTE CONNECTION VIA INTERNET
- EASY ACCESSIBILITY FOR MAINTENANCE PURPOSES



KP.30

THE GREATEST TREATMENT QUALITY
FOR THE SMALLEST ITEMS

- The best part cleaning quality
- The best washing liquid management
- The best environmental quality
- The best performance

Model	Load dimensions	Load weight Kg	Dimensions mm	Cicles/Hour
KP 30	200 x 300 x 150h	30	1300 x 2000 x 2000h	4 - 6

VACUUM CLEANING MACHINES
MODIFIED ALCOHOLS . HFE HYDROCARBONS



KP.EASY

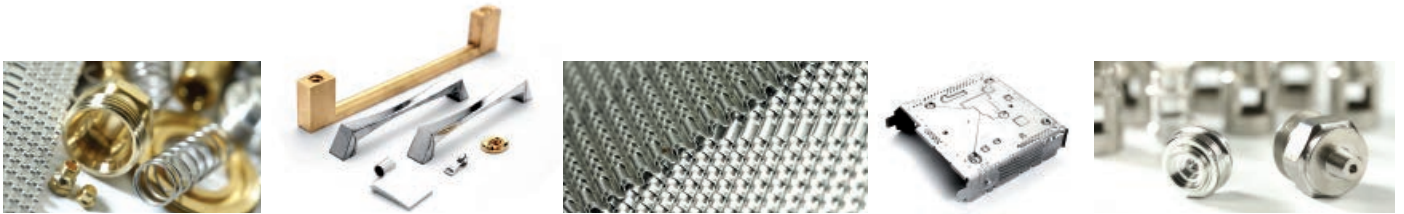
THE BEST TECHNOLOGY ALSO
IN THE BASIC MODELS

- The best part cleaning quality
- The best washing liquid management
- The best environmental quality
- The best performance



Model	Load dimensions	Load weight Kg	Dimensions mm	Cicles/Hour
KP 50 EASY	300 x 450 x 200h	50	1600 x 1600 x 2400h	4 - 6
KP 100 EASY	450 x 600 x 200h	100	1800 x 2000 x 2500h	4 - 6
KP 150 EASY	450 x 900 x 200h	150	2900 x 2050 x 3200h	4 - 8
KP 200 EASY	450 x 1200 x 200h	200	3250 x 2300 x 3200h	4 - 8

VACUUM CLEANING MACHINES
MODIFIED ALCOHOLS . HYDROCARBONS



KP.HMA

THE BEST RESULTS FOR THE MOST
DEMANDING APPLICATIONS

- The best cleaning quality
- The best washing liquid management
- The best environmental quality
- The best productivity
- The greatest management saving



Model	Load dimensions	Load weight Kg	Dimensions mm	Cicles/Hour
KP 50 HMA	300 x 450 x 200h	50	2050 x 2000 x 3000h	4 - 8
KP 100 HMA	450 x 600 x 200h	100	2900 x 1900 x 3000h	4 - 8
KP 150 HMA	450 x 900 x 200h	150	3250 x 2300 x 3200h	4 - 8
KP 200 HMA	450 x 1200 x 200h	200	3250 x 2300 x 3200h	4 - 8

VACUUM CLEANING MACHINES
MODIFIED ALCOHOLS . HYDROCARBONS



KP.HYBRID

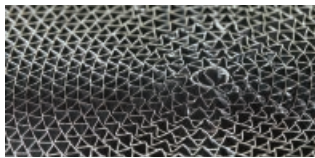
THE BEST TREATMENT FOR EVERY TYPE OF CONTAMINATIONS

In the HYBRID version, the systems, thanks to the combined use of modified alcohols and aqueous detergent solutions, obtain the best cleaning results both on organic (oil, grease) and on inorganic (emulsion, salt) contaminants.

Model	Load dimensions	Load weight Kg	Dimensions mm	Cicles/Hour
KP 50 HYBRID	300 x 450 x 200h	50	2500 x 2000 x 3000h	4 - 8
KP 100 HYBRID	450 x 600 x 200h	100	3000 x 2150 x 3000h	4 - 8
KP 150 HYBRID	450 x 900 x 200h	150	4300 x 2300 x 3300h	4 - 8
KP 200 HYBRID	450 x 1200 x 200h	200	4300 x 2300 x 3300h	4 - 8

VACUUM CLEANING MACHINES

MODIFIED ALCOHOLS . AQUEOUS DETERGENT SOLUTIONS



KP.HD

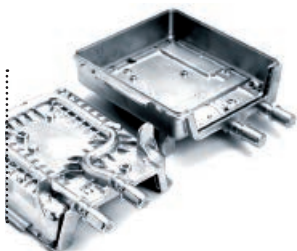
THE BEST TECHNOLOGY FOR A HIGH DEFINITION RESULT

The best environmental quality
 The best cleaning quality
 The greatest management saving
 The best washing liquid management
 The best efficiency

Model	Load dimensions	Load weight Kg	Dimensions mm	Cicles/Hour
KP 50 HD	300 x 450 x 270h	50	2200 x 2200 x 3000h	4 - 8
KP 100 HD	450 x 600 x 270h	100	3200 x 1900 x 3000h	4 - 8
KP 150 HD	450 x 900 x 270h	150	3600 x 2500 x 3200h	4 - 8
KP 200 HD	450 x 1200 x 270h	200	4000 x 2500 x 3200h	4 - 8

VACUUM CLEANING MACHINES

MODIFIED ALCOHOLS . HYDROCARBONS



KP.MAX

LARGE SYSTEMS WITH GREAT PERFORMANCE

- The best cleaning quality
- The best washing liquid management
- The best environmental quality
- The best productivity
- The greatest management saving



Model	Load dimensions	Load weight Kg	Dimensions mm	Cicles/Hour
KP 400 MAX	450 x 1200 x 400h	400	3800 x 2700 x 3450h	3 - 6
KP 600 MAX	600 x 1000 x 600h	600	4050 x 2700 x 3700h	3 - 6
KP 800 MAX	800 x 1200 x 800h	800	4500 x 2700 x 3750h	3 - 6

VACUUM CLEANING MACHINES MODIFIED ALCOHOLS . HYDROCARBONS



KP.WTR

IDEAL FOR DEOXIDATION AND PICKLING TREATMENT

- The best washing quality
- The best management of the washing liquid
- The best environmental quality
- The best productivity
- The greatest management saving



Model	Load dimensions	Load weight Kg	Dimensions mm	Cicles/Hour
KP 50 WTR	300 x 450 x 200h	50	2050 x 2000 x 3000h	4 - 8
KP 100 WTR	450 x 600 x 200h	100	2900 x 1900 x 3000h	4 - 8
KP 150 WTR	450 x 900 x 200h	150	3250 x 2300 x 3200h	4 - 8
KP 200 WTR	450 x 1200 x 200h	200	3250 x 2300 x 3200h	4 - 8

VACUUM CLEANING MACHINES AQUEOUS SOLUTIONS



VACUUM WASHERS MODIFIED ALCOHOLS . HYDROCARBONS

ECO~ POWER



APPLICATIONS

- Turned mechanical parts
- Precision cnc turned parts
- Pressed metal parts
- Die-casting
- Bent items
- Hydraulic components
- Valves
- Fittings
- Taps
- Pots and pans
- Cutlery
- Heat exchangers
- Automotive
- Sintered components
- Gears
- Watches
- Jewellery
- Medical components

STANDARD FEATURES

- Stainless steel construction
- Vacuum-proof systems
- Vacuum pumps
- High-pressure washing liquid pumps
- Variable turbulence spraying system
- Cryogenic cooling system
- Sludge separation unit
- Washing liquid loading/unloading sealed system
- Washing liquid filtration
- Two washing liquid storage tanks
- Touch screen control panel
- Internet-based service

OPTIONAL ACCESSORIES

- Ultrasound transducers
- Third washing liquid tank
- Protection agent application unit
- Additional filtration units
- Automatic load handling systems
- Automatic load recognition systems
- Chlorinated washing liquids use



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KP Kleen Power

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Authorized dealer

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