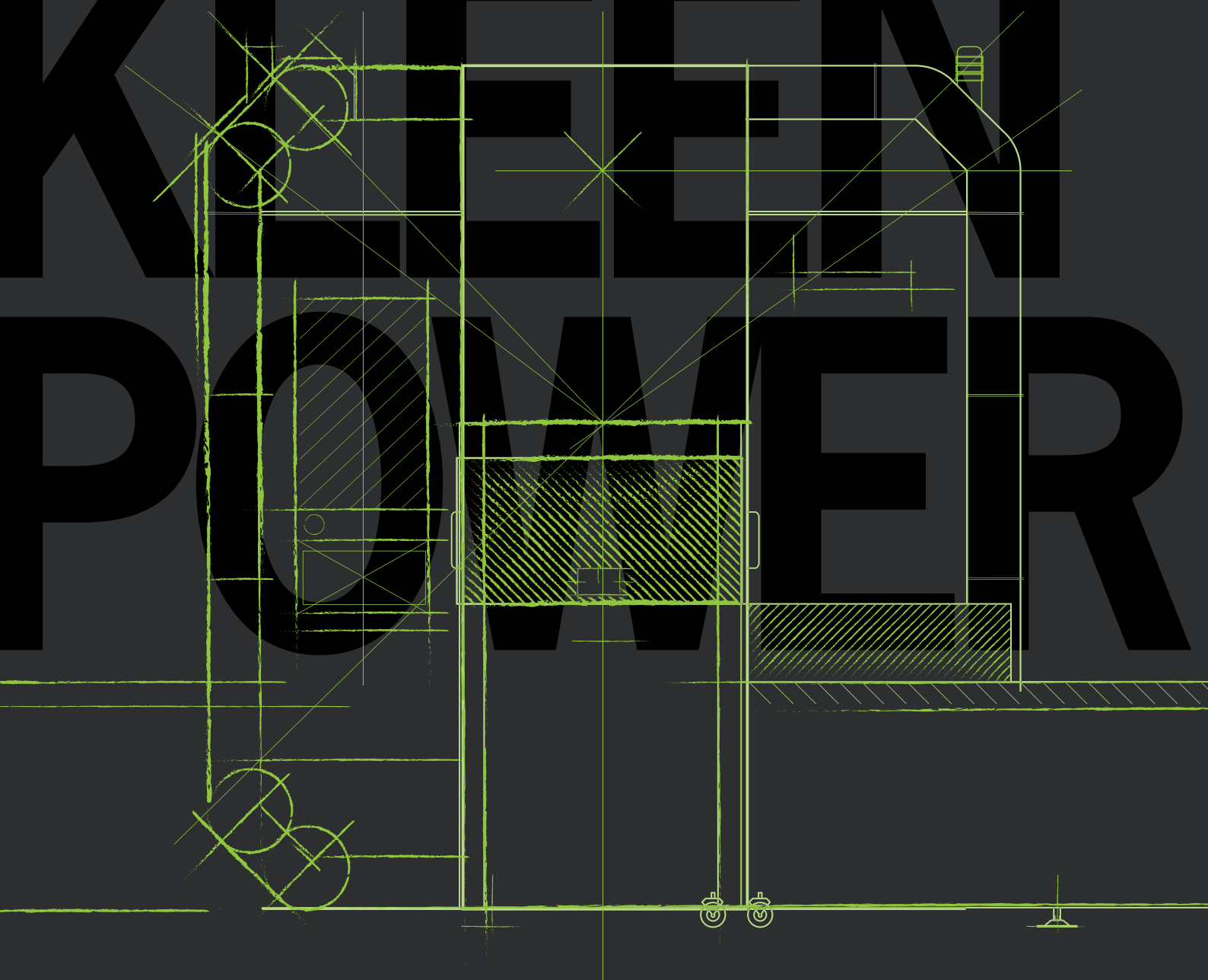




INDUSTRIAL FINISHING PLANTS



KP KLEEN POWER

VACUUM WASHERS / MODIFIED ALCOHOLS / HYDROCARBONS / AQUEOUS DETERGENT SOLUTIONS



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

KP KLEEN POWER

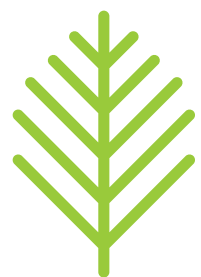


Beautiful outside, sophisticated inside.

KP 100 HMA
VACUUM WASHING MACHINE
ISO 14025:2006
www.environdec.com

 **EPD**
INTERNATIONAL EPD SYSTEM





**IFP EUROPE
FOR GREEN
FACTORY**

KP KLEEN POWER

BEYOND MECHANICS, A STEP INTO THE FUTURE.

All metal parts washing machines in the KP Kleen Power line by IFP Europe operate under vacuum conditions down to 1 millibar.

They utilize low-environmental-impact cleaning fluids-such as modified alcohols, HFE hydrocarbons, and aqueous detergent solutions-combined with advanced ultrasonic technology.

SPEED IS OUR IMPERATIVE.

Solvent loading and unloading times in the wash chamber are optimized to ensure that the washing cycle-the core operation-has all the time required to clean components perfectly, while also guaranteeing significant energy savings.

Drying and deodorizing of the metal parts are also performed rapidly, reducing harmful emissions in the workplace by 99%.



iFP
INDUSTRIAL FINISHING PLANTS



**KP
KLEEN POWER**

THE CLEANING OF THE FUTURE... **NOW**

PATENTED 2024

HMA KLEEN POWER



KP100 HMA
VACUUM WASHING MACHINE
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EPD
INTERNATIONAL EPD SYSTEM

KP HMA VACUUM CLEANING MACHINES MODIFIED ALCOHOLS . HYDROCARBONS

Model	Load Dim.	Load wt. Kg	Dim. mm	Cicles/h
KP 50 HMA	300 x 450 x 200h	50	2500 x 2000 x 3000h	4 - 6
KP 100 HMA	450 x 600 x 200h	100	3000 x 2150 x 3000h	4 - 6
KP 150 HMA	450 x 900 x 200h	150	4300 x 2300 x 3300h	4 - 6
KP 200 HMA	450 x 1200 x 200h	200	4300 x 2300 x 3300h	4 - 6

GREEN TECHNOLOGY

- 99% waste material recovery
- 40% energy savings
- 95% reduction in cleaning product usage.

LOWER OPERATIONAL COSTS
AND SIGNIFICANT ECONOMIC BENEFITS.

OPERATIONAL EXCELLENCE COMBINED WITH ENVIRONMENTAL RESPONSIBILITY.

As a testament to our commitment to the environment, our new **KP 100 HMA** washing machine has been certified with: **EPD** (Environmental Product Declaration) **ISO 14025-2015**

Environmental Transparency (EPD ISO 14025:2006).

Through our Environmental Product Declaration (EPD), we provide you with objective, comparable, and verified data on the environmental impact of our **KP Kleen Power** vacuum washers throughout their entire life cycle.



PATENTED Hybrid Cleaning System

KP HYBRID VACUUM CLEANING MACHINES MODIFIED ALCOHOLS . AQUEOUS DETERGENT SOLUTIONS

Model	Load Dim.	Load wt. Kg	Dim. mm	Cicles/h
KP 50 HYBRID	300 x 450 x 200h	50	2500 x 2000 x 3000h	4 - 6
KP 100 HYBRID	450 x 600 x 200h	100	3000 x 2150 x 3000h	4 - 6
KP 150 HYBRID	450 x 900 x 200h	150	4300 x 2300 x 3300h	4 - 6
KP 200 HYBRID	450 x 1200 x 200h	200	4300 x 2300 x 3300h	4 - 6

THE BEST TREATMENT FOR EVERY TYPE OF CONTAMINATIONS.

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

THE CLEANING OF THE FUTURE... **NOW**



THE INDUSTRIAL WASHING REVOLUTION.

ADVANCED STRUCTURE AND ENHANCED CONTAINMENT:

particular attention has been paid to the machine's structure by reducing external dimensions and optimizing the internal technology layout. The inclusion of new containment basins further improves the efficiency and safety of washing operations.

NEXT-GENERATION VACUUM PUMP:

replacing existing pumps with a next-generation model eliminates the need for maintenance and oil changes, ensuring superior performance and a reduced environmental impact.

UPGRADED MAIN STILL:

integrating the main still within the tank significantly boosts performance and enables substantial energy savings.

INTEGRATED INSULATION:

the combined insulation of the tank assembly and the still improves energy efficiency, reducing both consumption and waste.

INNOVATIVE HEATING SYSTEM:

remarkable energy recovery thanks to indirect heating with low surface load of the new heating systems.

REDUCED ENERGY CONSUMPTION:

installed power has been reduced by 30%, while simultaneously improving the machine's performance.

OPERATIONAL EFFICIENCY:

distillation times and wash cycles have been significantly reduced by up to 50%, increasing efficiency and reducing environmental impact.

CUTTING-EDGE TECHNOLOGIES:

the introduction of new technologies for the total removal of water from the solvent and total distillation with continuous discharge of recovered cold oil further enhance the process, usability, and maintenance.

DESIGN AND INTUITIVENESS:

a new design and an intuitive touch-screen control panel make KP Kleen Power not only a technologically advanced solution, but also easy and safe to operate.

IFP PORTAL

The new IFP Europe app: a single platform to monitor, analyze, and enhance your machine's performance, wherever you are.

Available for PC, Mobile, and Tablet on iOS and Android operating systems.



IFP INDUSTRIAL
FINISHING
PLANTS
PATENTED 2024

HMA KLEEN POWER

IFP
INDUSTRIAL FINISHING PLANTS

KP200HMA
VACUUM WASHING MACHINE
ISO 14025:2006
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EPD
INTERNATIONAL EPD SYSTEM



OUR TECHNOLOGY, YOUR EXCELLENCE.

IFP PORTAL

Monitor your KP Kleen Power metal cleaning systems from anywhere, securely.

- ✓ Security and control.
- ✓ Real-time tracking.
- ✓ Consumption optimization.
- ✓ Streamlined reporting.
- ✓ Multi-system management.
- ✓ Predictive maintenance.
- ✓ High reactivity.



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

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

KP KLEEN POWER



KP 100 HMA
MANUAL BASKET LOADING



KP 50 HMA
MANUAL BASKET LOADING

KP50HMA
VACUUM WASHING MACHINE
ISO 14025:2006
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EPD
INTERNATIONAL EPD SYSTEM

IFP EUROPE PATENTED TECHNOLOGY REDUCES HARMFUL EMISSIONS IN THE WORK ENVIRONMENT

AERO25 Patented System*

All washing machines in the KP Kleen Power line can be equipped with the **AERO25** system, a technology patented by IFP Europe developed to reduce harmful emissions in the work environment.

The **AERO25** system, integrated inside the washing machine or installable as an external accessory on machines already on the market, eliminates any solvent residues present in the air exiting the exhaust stack.

For large KP Kleen Power washing plants operating in a series configuration, a dedicated **AERO25** version is available, capable of managing multi-plant systems.

The entire operation of the **AERO25** system is controlled by specific software installed in the washing machine's PLC.

- 99% HARMFUL EMISSIONS

ECO-WASHING PATENT.

In collaboration with the Levi Cases Center of the University of Padua, IFP Europe Società Benefit SRL has patented a system that **reduces washing process emissions by up to 99%**.

For this innovation, the company received the **UniSMART Award** dedicated to scientific research.

AERO25
Patented System



IFP Europe SOCIETÀ BENEFIT S.R.L.
Via Po, 1 - 35015 Galliera Veneta (PD) Italia
Tel. +39 049.5996883
info@ifpsrl.com



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