

## VACUUM PARTS CLEANING

The most effective, environmentally-friendly parts cleaner for parts machined in oil

# KP KLEEN POWER

## The Widest System Range On The Market

From dental implants to large die-cast products, the KP range meets the most varied production requirements. Working completely in vacuum conditions, all systems have:

Continuous solvent filtration

Drying and deodorization of the shavings before opening the filter

Continuous solvent distillation

Continuous separation of the emulsion with automatic water discharge

Total separation of oil from solvent, with continuous automatic removal

Continuous operation data collection

Remote connection via internet

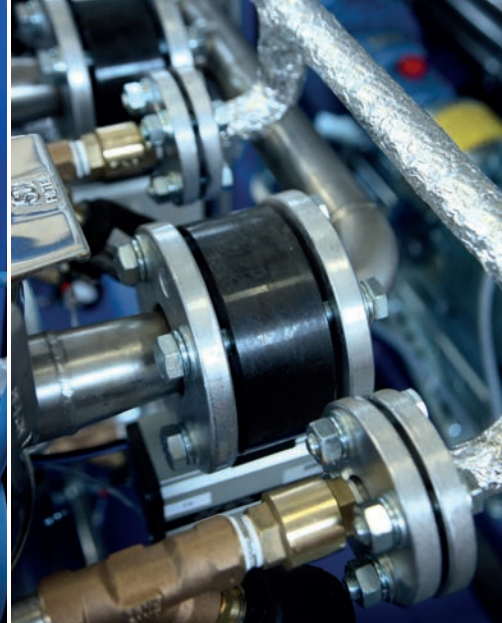
Easy accessibility for maintenance purposes



**VACUUM CLEANING MACHINES** MODIFIED ALCOHOLS . HYDROCARBONS

## 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



### The best technology on the market

Thanks to its vacuum cycle with values of up to 1 millibar and its wide standard and optional ranges, the KP series cleaning units are the best cleaning technology on the market.

### The best environmental quality

Working totally in vacuum conditions, the KP cleaning units guarantee that at the end of the treatment no solvent residue is present on the items or released into the environment.

### The best productivity

Thanks to the reduction in cycle time the KP cleaning units allow a 100% increase in productive capacity and a 50% reduction in energy consumption.

### The best cleaning quality

The KP cleaning units constantly guarantee the best cleaning results regardless of the type and amount of contamination. Even in blind holes.

### The best solvent management

The KP cleaning units drastically reduce solvent consumption down to just a few litres a year and to do away with the need for stabilizers.

### The greatest management saving

The KP cleaning units allow to separate oil from solvent completely and to reuse it in the productive cycle with great economic benefit. Shavings can also be separated according to the type of material and daily maintenance is eliminated.





## KP 12

The greatest treatment quality  
for the smallest items



## KP 30

The best results for the most  
demanding applications

Self contained half basket size.



- The best part cleaning quality
- The best solvent management
- The best environmental quality
- The best performance

## KP 50/100

The best technology also  
in the basic models

One and two full basket capacity.



## KP 150/200

Large systems with  
great performance

Three and four basket models.





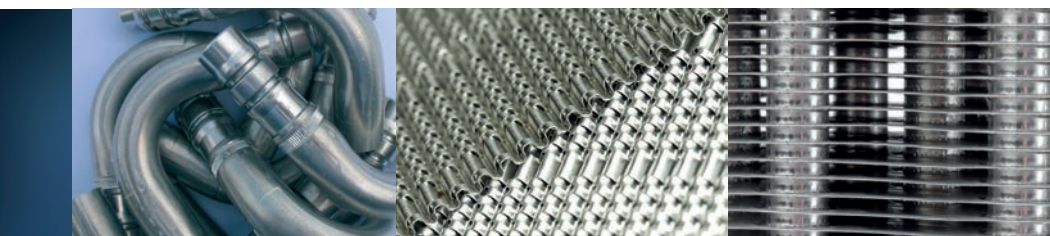
## Standard Features

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



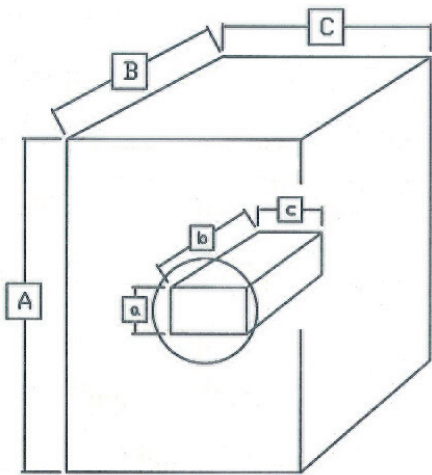
## Optional Accessories

- Ultrasound transducers
- Third solvent tank
- Rust Prevention application
- Additional filtration units
- Automatic load handling systems
- Automatic load recognition systems
- Chlorinated solvent use





# Capacities:



	KP 30	KP 50	KP 100	KP 150	KP 200
A	78"	110"	118"	122"	130"
B	55"	73"	80"	85"	96"
C	55"	73"	77"	95"	98"
a	5.9"	7.9"	7.9"	7.9"	7.9"
b	11.8"	17.7"	23.6"	35.4"	47.2"
c	7.9"	11.9"	17.7"	17.7"	17.7"
Number of Baskets	1	1	2	3	4
Solvent Capacity (Gallons)	18.5	106	158.5	237	264

Basket Orientation:	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>

# Solvents:

## The iFP Washer Can Effectively Use Both Hydrocarbon And Modified Alcohol Based Cleaning Solvents.

Modified alcohol (MA), is a popular choice for metal cleaning due to its highly effective cleaning capability. The structure of MA is the key to its effectiveness. MA has both hydrophilic (“water-loving”) and lipophilic (“oil-loving”) portions in the structure, behaving similar to a surfactant (surface active agent used in cleaning formulations). This versatile feature enables MA to effectively isolate soil particles and remove them from metal surfaces without re-depositing them, so the parts dry without residue. With both hydrophilic and lipophilic characteristics, MA offers exceptional solvency for a broad range of soils and contaminants.

Unlike typical surfactant-based cleaners, which have limited use before requiring disposal, MA can be distilled to separate it from contaminants, and then re-used, resulting in a recyclable solvent. That means longer cleaning fluid life and less money wasted on re-work or solvent replacement.

Process	Application	Types of Components
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<b>Metal parts</b> <ul style="list-style-type: none"><li>• Before and after processing or assembly</li><li>• Prior to finishing steps such as painting, coating, welding, adhesion or sealing</li><li>• As a final cleaning step to meet quality requirements</li></ul>	<b>Remove</b> <ul style="list-style-type: none"><li>• Greases</li><li>• Oils</li><li>• Emulsions</li><li>• Particulates (polishing and lapping pastes, metal fines)</li><li>• Fingerprints</li></ul>	<ul style="list-style-type: none"><li>• Drawn or formed metal parts</li><li>• Sintered metals</li><li>• Lapped parts</li><li>• Glass optical lenses</li><li>• Heat exchangers</li><li>• Ceramics</li></ul>
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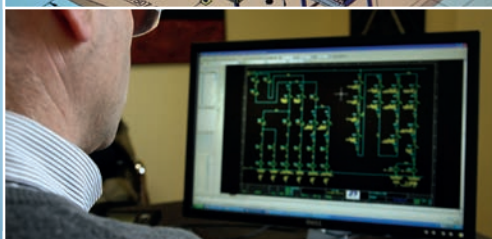
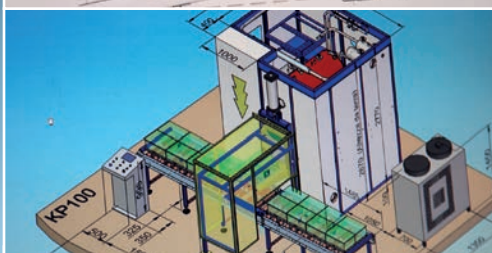
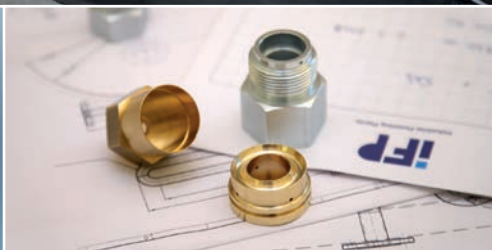


## The Company

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.

**[www.ifpsrl.com](http://www.ifpsrl.com)**



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# TOOL UP *In* VOLUME

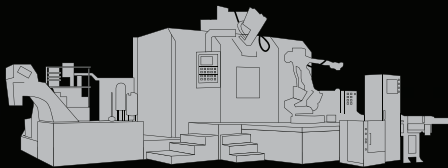
TOP TOOL LINES

2.0

## BTB

### Rotary Transfer Machines

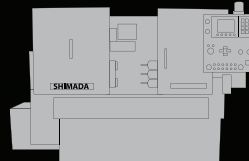
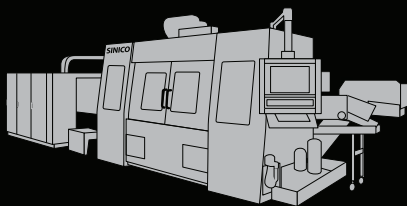
Lowest cost per part with easy changeover within part families



## SINCO

### CNC Double End Working Machines

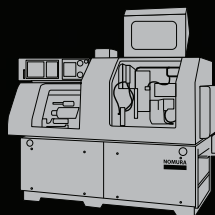
High volume parts from bar stock, tube and shapes with quick changeovers



## SHIMADA

### CNC Multi-Spindle Lathes

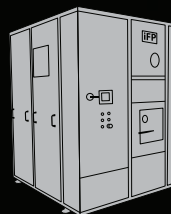
High precision without special tooling plus fast set up



## NOMURA

### Swiss Turning Machines

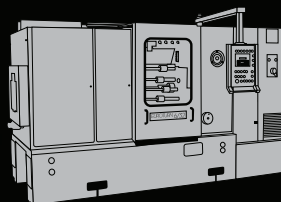
Known world-wide for extreme rigidity and process stability



## iFP

### Vacuum Parts Cleaning

The most effective environmentally friendly parts cleaner for parts machined in oil



## Euroturn

- Support
- Rebuilds
- Trades
- CNC Retrofits

## SUPPORT SERVICES

### 24/7 PARTS & SERVICE

Fully trained Gosiger quality service team in your region;  
10,000 spare parts in inventory  
and same day emergency response 95% of the time

### AUTOMATION

Intelligent, effective high volume solutions that integrate robust automation

### ENGINEERING

Project management, manufacturing and statistical quality analysis engineering



[Gosiger.com/high-volume](http://Gosiger.com/high-volume)

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**GOSIGER**  
HIGH VOLUME  
serious solutions