VACUUM PARTS CLEANING
The most effective, environmentally-friendly parts cleaner for parts machined in oil
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
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
Die-casting
Bent items
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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.

**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.

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

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

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**Process**

- Before and after processing or assembly
- Prior to finishing steps such as painting, coating, welding, adhesion or sealing
- As a final cleaning step to meet quality requirements

**Application**

- Remove
  - Greases
  - Oils
  - Emulsions
  - Particulates (polishing and lapping pastes, metal fines)
  - Fingerprints

**Types of Components**

- Drawn or formed metal parts
- Sintered metals
- Lapped parts
- Glass optical lenses
- Heat exchangers
- Ceramics
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
TOP TOOL LINES

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

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

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

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Vacuum Parts Cleaning
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Euroturn
• Support
• Rebuilds
• Trades
• CNC Retrofits

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