Simplify your cleanroom cleaning with
MopSc∞p – the solution!

PPS
PFENNIG PROFI SYSTEM

Space requirement

Single-use or multi-use

No particle generation

High flexibility

Hygienic and microbiological process safety

Cleanability

MopScoop

Longevity

Modular construction system

Active ingredient changes

Safety

Contactless workflow

Validation of disinfection

No open water

Ergonomics and motivation

Self-explanatory system

Impregnation just before use

The completely new development MopScoop is the solution for your daily requirements in cleanroom cleaning. The new dosing system should achieve nothing less than to solve all the problems and requirements known in the daily practice of clean room cleaning and disinfection in the best possible way. Cleaning processes are performed by humans and should therefore be designed in a way that is as self-explanatory as possible and highly resistant to unintentional misuse. The easier a process is designed, the safer it can usually be executed.

Take it easy and experience the benefits of an overall concept elaborated down to the smallest detail.

Learn more here:
»Simplify your cleanroom cleaning«
www.pps-pfennig.de/mopscoop-reprint

… but why is MopScoop THE solution?

Hygienic and microbiological process safety
Maximum safety is achieved through the closed storage of the disinfectant solution during the entire working process and the completely contactless working sequence.

Contactless working process
Through the combination of components such as the dosing unit MopScoop, the mop disposal MopDrop CR and the mop handle ClinoSynchro CR / Hybrid, a completely touchless working process is achieved. There is no way for cross-contamination.

Single-use or multi-use
The dosing unit MopScoop works with single-use mop covers as well as with multi-use mop covers. The user can decide which concept he or she wants to use.

Ergonomics and motivation
Since there is no need to bend down during the cleaning process the motivation can be increased. Through light working material and well-conceived solutions, all working steps can be executed without the use of physical strength.

Precision
With a precision of +/- 1,3 % the MopScoop dosing unit guarantees perfect and reproducible results.

Validation of the disinfection
MopScoop can be used with the already validated cleaning and disinfecting agents without any problems. There is no need for revalidation by cleaning with Mop-Scoop.

Highest precision – the desired dosage runs via the stainless steel tube into the dosage tray.

Space-requirements

The required floor space is only 0.4 m². MopScoop can be stored in the smallest spaces and can be placed like a wall bracket that can still be moved on castors.

Flexibility

MopScoop enables the exact adjustment of the required amount of liquid. The standard delivery program includes pistons with 130 ml, 200 ml and 400 ml. With a minimum order quantity of 2 pistons, special designs with any desired quantity of liquid can be produced.

Longevity

The system has been tested over 55.000 cycles. This is equal to over 1 million m².

Modular construction system

MopScoop can be adapted on existing PPS equipment with no problems. Also there are lots of possible combinations out of stainless steel only or stainless steel-plastic mixes.

No contamination sources

There are only two moving parts and no inaccessible places.

CR4 SC/K-GMP with optional extras

CR4 SC/K-CR with optional extras

Don't waste your time – Simplify your cleanroom cleaning!

Simplify your cleanroom cleaning
Easy to clean – easy to assemble

1 Insert the MopScoop tray into the basic module of the cleaning trolley.

2 Attach the holding frame for the MopScoop container.

3 Insert the MopScoop container into the holding frame.

4 Insert the dosing pipe into the recess at the bottom of the MopScoop container.

5 Screw the plastic nut to the dosing pipe.

6 Insert the appropriate dosing piston into the dosing pipe.

7 Insert the operating lever into the prefabricated bearings at the edge of the tray.

8 Pour in the disinfectant solution and close the lid.

MopScoop – that's how it works

With MopScoop we provide you with a tool which largely eliminates all sources of contamination. Due to the completely contactless process – from the reception and the impregnation up to the detachment of the mop cover – you have a 100% safe cleaning equipment at your side.

1
- Push the operating lever down by pressing the mop frame onto the MopScoop tray.
- MopScoop automatically doses the required liquid quantity for the first wiping process.

2 Open the mop frame contactless.

3 Pick up a fresh mop with the mop frame without hand contact and without bending down.

4 Push the MopScoop operating lever – the mop absorbs the liquid.

5
- Pull up the mop frame.
- The dosing quantity for the next wiping process is provided by MopScoop at the same time.

6 Perform wiping process and drop the mop contactless into the mop disposal.

Trolley combination **CR4 SC-CR**
with 2 system boxes EasyMop
for areas in which many mop covers
are required

Cleaning trolleys with MopScoop

Picture shows model, including operational extras

Clino CR1 SC-GMP

For highly sensitive areas – small space requirement with mop disposal

➕ Highest efficiency, great safety, individually configurable
➕ Immediate impregnation of the wiping textiles is carried out just before use

Art. No.: 3510300
Dimensions (LxWxH):   74 x 53 x 70 cm

Basic components
• Base frame cleanroom small
• Stainless steel, suitable for cleanrooms, high-end finish
• Autoclavable, swivel castors, 100 mm with deflector ring

Working area
• MopScoop unit with stainless steel lid
• Stainless steel container MopTen

Mop Disposal
• Unit 1 x 35 l
• Stainless steel container 9 l

Picture shows model, including operational extras

Clino CR1 SC-CR

For highly sensitive areas with small space requirement – without sterility requirement

➕ Highest efficiency, great safety, individually configurable
➕ Immediate impregnation of the wiping textiles is carried out just before use

Art. No.: 3510310
Dimensions (LxWxH):   74 x 53 x 70 cm

Basic components
• Base frame cleanroom small
• Stainless steel, suitable for cleanrooms, high-end finish
• Electrically conductive special castors, 100 mm

Working area
• MopScoop unit with blue lid
• System box EasyMop

Mop Disposal
• Unit 1 x 35 l
• Stainless steel container 9 l

Cleaning trolleys with MopScoop

Picture shows model, including operational extras

Clino CR4 SC-GMP

**The high-end system trolley:
The cleanroom-compatible
modular construction system for
highly sensitive areas**

⊕ Highest efficiency and process reliability
⊕ Great safety due to the complete closed
  system
⊕ Individually configurable by the Clino
  modular construction system
⊕ Immediate impregnation of the wiping
  textiles is carried out just before use

Art. No.: 3540700

Dimensions (LxWxH): 80 x 57 x 103 cm

Standard equipment Clino CR4 SC-GMP   Art. No.: 3540700

Basic components
- Base frame cleanroom
- Stainless steel, suitable for
  cleanrooms, high-end finish
- Autoclavable, swivel castors, 100 mm
  with deflector ring

Working area
- MopScoop unit with stainless steel lid
- Stainless steel container MopTen
- 2 stainless steel container 4 l

Mop Disposal
- Unit 1 x 35 l
- Stainless steel container 9 l

Optional extras / accessories

Blue lid MopScoop CR
Art. No.: 3500780

**Medium-size sterile
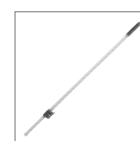disposal 1 x 35 l bag**
Art. No.: 3580016
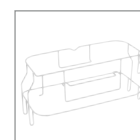
**Contactless disposal
MopDrop CR**
Art. No.: 3530183
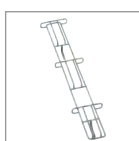
**Storage area for
3 mop frames**
Can be used for all PPS
mop frames, autoclavable
Art. No.: 3500088

**Mop frame IsoClean with
Connect-Lock handle
0.5 to 0.7 m**
Art. No.: 3500932 (holder)
Art. No.: 3516057 (handle)

**Aluminium telescopic
handle with tilting lever**
grey, 1.0 to 1.8 m
Art. No.: 3516050

Picture shows model, including operational extras

Clino CR4 SC-CR

**The high-end system trolley:
The cleanroom-compatible
modular construction system for
highly sensitive areas without
sterility requirement**

⊕ Highest efficiency and process reliability
⊕ Great safety due to the complete closed
  system
⊕ Individually configurable by the Clino
  modular construction system
⊕ Immediate impregnation of the wiping
  textiles is carried out just before use

Art. No.: 3540800

Dimensions (LxWxH): 80 x 57 x 107 cm

Standard equipment Clino CR4 SC-CR   Art. No.: 3540800

Basic components
- Base frame cleanroom
- Stainless steel, suitable for cleanrooms,
  high-end finish
- Electrically conductive special castors,
  100 mm

Working area
- MopScoop unit with blue lid
- System box EasyMop
- 2 PlusBoxes

Mop Disposal
- Unit 1 x 35 l
- Stainless steel container 9 l

Optional extras / accessories

**Stainless steel lid
MopScoop GMP**
Art. No.: 3500782

MopJump
Art. No.: 3500210

**Swivel castor with
deflector ring**
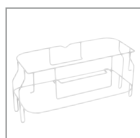Art. No.: 3500100
Art. No.: 3500084
          deflector ring

Carrier for mop frame
Art. No.: 3500093
Carrier for handle made of
stainless steel
Art. No.: 3500092
Mop frame support made
of stainless steel

Clino Synchro CR
Art. No.: 3500921
with Clino Connect Lock

Clino Synchro Hybrid
Art. No.: 3500926

Cleaning trolleys with MopScoop

Picture shows model, including operational extras

Clino CR4 SC/K-GMP

**The high-end system trolley:
The space-saving short version for highly sensitive areas**

- ⊕ Highest efficiency and process reliability
- ⊕ Great safety due to the complete closed system
- ⊕ Individually configurable by the Clino modular construction system
- ⊕ Immediate impregnation of the wiping textiles is carried out just before use

Art. No.: 3540710

Dimensions (LxWxH):   66 x 57 x 103 cm

Standard equipment Clino CR4 SC/K-GMP   Art. No.: 3540710

Basic components	Working area	Mop Disposal
• Base frame cleanroom • Stainless steel, suitable for cleanrooms, high-end finish • Autoclavable, swivel castors, 100 mm with deflector ring	• MopScoop unit with stainless steel lid • Stainless steel container MopTen	• Unit 1 x 35 l • Stainless steel container 9 l

Optional extras / accessories
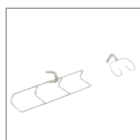
Carrier for mop frame
Art. No.: 3500093
Carrier for handle made of stainless steel
Art. No.: 3500092
Mop frame support made of stainless steel

Mop frame IsoClean with Connect-Lock handle 0.5 to 0.7 m
Art. No.: 3500932 (holder)
Art. No.: 3516057 (handle)

Blue lid MopScoop CR
Art. No.: 3500780

Contactless disposal MopDrop CR
Art. No.: 3530183

Clino Synchro Hybrid
Art. No.: 3500926

Swivel castor, electrically, conductive 100 mm
Art. No.: 2013430
Art. No.: 2013440
with locking device

Picture shows model, including operational extras

Clino CR4 SC/K-CR

The high-end system trolley:
The cleanroom-compatible
modular construction system for
highly sensitive areas without
sterility requirement

⊕ Highest efficiency and process reliability
⊕ Great safety due to the complete closed system
⊕ Individually configurable by the Clino modular construction system
⊕ Immediate impregnation of the wiping textiles is carried out just before use

Art. No.: 3540810

Dimensions (LxWxH):   66 x 57 x 103 cm

Standard equipment Clino CR4 SC/K-CR   Art. No.: 3540810

Basic components
- Basic frame cleanroom
- Stainless steel, suitable for cleanrooms, high-end finish
- Electrically conductive special castors, 100 mm

Working area
- MopScoop unit with blue lid
- System box EasyMop

Mop Disposal
- Unit 1 x 35 l
- Stainless steel container 9 l

Optional extras / accessories
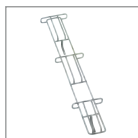
Storage area for 3 mopframes
Can be used for all PPS mop frames, autoclavable
Art. No.: 3500088

Stainless steel lid MopScoop GMP
Art. No.: 3500782

Medium-size sterile disposal 1 x 35 l bag
Art. No.: 3580016

Holder frame for 4 l stainless steel container
Art. No.: 3500094 (middle)
Art. No.: 3500007
(4 l container)

Clino Synchro CR
Art. No.: 3500921
with Clino Connect Lock

MopJump
Art. No.: 3500210

Cleaning trolleys with MopScoop

Picture shows model, including operational extras

Clino CR5 SC-GMP

The system trolley with maximum transport capacity – foldable front and rear attachments for easier storage

✚ Highest efficiency, great safety, individually configurable
✚ Immediate impregnation of the wiping textiles is carried out just before use

Art. No.: 3570070

Rest dimensions (LxWxH):   85 x 52 x 130 cm
Working dimensions (LxWxH):   146 x 52 x 101 cm

Basic components
• Base frame cleanroom big
• Stainless steel
• Autoclavable, swivel castors, 100 mm with deflector ring

Working area
• MopScoop unit with stainless steel lid
• Stainless steele container MopTen

Supply area
• 3 stainless steel container 4 l
• 3 stainless steel trays

Mop Disposal
• Unit 2 x 70 l

Picture shows model, including operational extras

Clino CR5 SC-CR

The system trolley with maximum transport capacity – foldable front and rear attachments for easier storage

✚ Highest efficiency, great safety, individually configurable
✚ Immediate impregnation of the wiping textiles is carried out just before use

Art. No.: 3570080

Rest dimensions (LxWxH):   85 x 52 x 130 cm
Working dimensions (LxWxH):   146 x 52 x 101 cm

Basic components
• Base frame cleanroom big
• Stainless steel
• Electrically conductive special castors, 100 mm

Working area
• MopScoop unit with blue lid
• System box EasyMop

Supply area
• 3 trays
• 2 PlusBoxes

Mop Disposal
• Unit 2 x 70 l

Stainless steel lid with autoclavable seal –
for a safe and closed storage
of the disinfectant solution
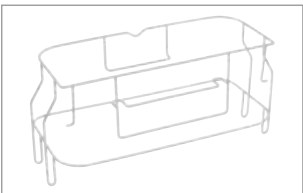
Accessories / Components

Accessories

	Article No.	Description	Color

IsoClean
Mop frame IsoClean to clean isolators. For use in sterile areas.
Aluminium telescopic handle with Clino Connect Lock, 0.5 to 0.7 m, autoclavable
3500932   Mop frame IsoClean
3516057   Handle with Clino Connect Lock and tilting lever

Clino Synchro Hybrid
Mop frame for highest standards. For use in sterile areas.
3500926   Clino Synchro Hybrid

Clino Synchro CR
Cleanroom-suitable mop frame with highest demands on ergonomics and hygiene
3500921   Clino Synchro CR with Clino Connect Lock

Aluminium telescopic handle
Autoclavable
3516050   Aluminium telescopic handle 1.0 to 1.8 m
          with tilting lever, grey

Handle carrier
Permanently elastic and safe locking carrier: for handles ranging in size between 20 and 30 mm
in diameter, autoclavable
2017017   Toolflex, 22 mm, autoclavable

Carrier for mop frame
Carrier for mop frame and handle fits multifunctional holder ClinoLink,
autoclavable
3500093   Carrier for handle, made of stainless steel
3500092   Mop frame support, made of stainless steel

Storage area for 3 mop frames
Can be used for all PPS mop frames, autoclavable,
stainless steel)
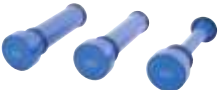3500088   Storage area for 3 mop frames
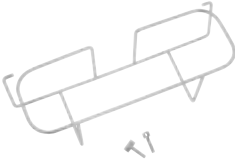
Accessories

Article No.	Description	Color

Medium-sized sterile disposal bag
For disposal unit 1 x 35 l (CR1 and CR4)
PU: 10 parts
3580016   Medium-sized sterile disposal bag

Holder frame for 4 l stainless steel container
Fits the ClinoLink holder system, autoclavable
3500094   Holder frame for 4 l stainless steel
              container, middle
3500007   stainless steel container 4 l

Holder frame for Clino PlusBox
Fits the ClinoLink holder system, autoclavable
3500095   Holder frame for Clino PlusBox, middle

Clino PlusBox – for the impregnation of cloths and/or mops
2088611   Clino PlusBox, red
2088622   Clino PlusBox, blue
2088633   Clino PlusBox, yellow
2088644   Clino PlusBox, green
2088666   Clino PlusBox, grey
2088677   Clino PlusBox, white

MopDrop CR
Ergonomic mop disposal without hand contact
3530183   MopDrop CR

System box EasyMop GMP
Certified for sterile areas GMP A/B. Can be validated and autoclaved, safe to use. With scaling 1, 2, 2.5 and 4 litres
3500200   System box EasyMop GMP with lid   Stainless steel
3500210   MopJump for System box EasyMop GMP
              and MopTen
3500220   Triple seal

System box EasyMop CR
The solution for impregnation in cleanrooms without sterility requirements. Different colours, e. g. for designing your own individual zone concept
2910000   System box EasyMop CR, blue   2910010   System box EasyMop CR, red
2910060   System box EasyMop CR, grey   2910040   System box EasyMop CR, green
2910070   System box EasyMop CR, anthracite   2910030   System box EasyMop CR, yellow

Accessories / Components

Accessories

Article No.	Description	Color

Stainless steel lid MopScoop GMP
Stainless steel lid with seal
3500782   Lid, stainless steel

Blue lid MopScoop CR
Plastic lid to lay on without seal
3500780   Lid, blue

MopJump-system for system box EasyMop GMP or MopTen container
Enables the contactless reception of mop covers, autoclavable
3500210   MopJump for system box EasyMop GMP or MopTen container

Dosing piston MopScoop
3500751   Dosing piston, 400 ml
3500753   Dosing piston, 200 ml
3500752   Dosing piston, 130 ml

Individual production of dosing pistons (each ml declaration from 2 pieces)

Swivel castor
Autoclavable castors with double ball bearing and stainless steel deflector ring
3500100   Swivel castor 100 mm
3500084   Swivel castor 100 mm, with deflector ring

Swivel castor, electrically conductive 100 mm
Electrically conductive castors with double ball bearings
2013430   Swivel castor 100 mm
2013440   Swivel castor 100 mm, with locking device

Installation for stainless steel container MopTen
Made of high quality stainless steel, for 10 mop covers, combinable with MopJump
3500022   MopTen
3530187   Installation for MopTen
3530177   Bolts (to install MopTen)

Clino® CR special mop covers

Examples for mop covers with max. liquid absorption of 400 ml

MicroSicuro CR

Art. No.: 2700266

Made & processed in Germany

➕ Maximal cleaning performance through 2-component work material

➕ Ideally suited for loosening adhesive impurities

➕ Germ reduction of bacteria, yeast and mould by over 99% is already achieved when using just water (test method DGMH, 2001. Standard method 14)

➕ Very large square-metre performance

➕ Through maximal capillary effects, optimally suited for all PPS cleaning methods

Floor types	All standard cleanroom floors, pharmaceutical floors, perforated plates and anti-slip flooring
Work materials	100% PES microfibre with PA bristle-like material
Equipment	With a water-permeable mop cover with EasyFlow pocket system, with back-lining for high square-metre performance
Weight	120 g
Dimensions	40 cm
Packaging	Packaging unit: 10 pieces Also deliverable in smaller amounts

ISO	3	4	5	6	7	8	9
GMP			A/B		C	D	

MicroSicuro CR/A

Art. No.: 2700268

Fraunhofer IPA — TESTED DEVICE — PPS Planung GmbH MicroSicuro CR/A Report No PF 1307459

Made & processed in Germany

➕ Removes 99.9% of all particles in a single-stage process

➕ Safe disinfection of GMP areas through validatable wetting behaviour

➕ Maximal square-metre performance through use of innovative combination of materials; ideal for removing disinfectant residues

➕ Autoclavable for up to 50 preparation cycles, resistant to disinfection solution and gamma rays

➕ Through maximal capillary effects, optimally suited for all PPS cleaning methods

Floor types	All standard cleanroom and pharmaceutical floors, perforated plates and anti-slip flooring
Work materials	100% PES microfibre and soft-brush special
Equipment	With a water-permeable mop cover, with EasyFlow pocket system, with back-lining for high square-metre performance
Weight	110 g
Dimensions	40 cm
Packaging	Packaging unit: 10 pieces Also deliverable in smaller amounts

ISO	3	4	5	6	7	8	9
GMP			A/B		C	D	

Art. No.: 2700310 Cleanroom mop MicroSicuro CR/A 50 cm

Clino® CR special mop covers

Examples for mop covers with max. liquid absorption of 200 ml

UnoSicuro S PW 40 cm, non-sterile

Art. No.: 3500321

Made & processed in Germany

Premium quality in the area of single-use mops. Manufacturing, preparation and packaging in Germany in a controlled environment.

➕ The premium single-use mop with coverage of up to 20 m² mopping performance

➕ Lowest particle emission and excellent liquid management

➕ Can be reused outside of the cleanroom

Floor types	All standard cleanroom and pharmaceutical floors
Work materials	100% polyester with structured wiping surface – excellent particle retention properties
Equipment	With water-permeable mop cover, pocket and back-lining for high square-metre performance
Weight	58 g
Dimensions	40 cm
Packaging	5 pcs. double-packaged, 1 PU: 5 pieces, 10 PUs per carton
Preparation	Validated washing process under cleanroom conditions as per ISO purity class 5, batch documentation as per the ASTM method

ISO	3	4	5	6	7	8	9
GMP			A/B		C	D	

UnoSicuro S PW / I 40 cm, sterile

Art. No.: 3500331

Made & processed in Germany

Premium quality in the area of sterile single-use mops. Manufacturing, preparation and packaging in Germany with all required documents and certificates.

➕ The premium single-use mop with coverage of up to 20 m² mopping performance

➕ Gamma ray irradiated with validated process

➕ Ideal for small areas under sterile conditions

Floor types	All standard cleanroom and pharmaceutical floors, including areas under sterile conditions
Work materials	100% polyester with structured wiping surface for better binding of particles
Equipment	With water-permeable mop cover, pocket and back-lining for high square-metre performance
Weight	58 g
Dimensions	40 cm
Packaging	Packaged individually under sterile conditions, 5 pcs with outer packaging 1 PU: 5 pieces, 10 PUs per carton
Preparation	Validated washing process under cleanroom conditions of the ISO purity class 5, batch documentation as per the ASTM method, gamma ray irradiated, including certificate

ISO	3	4	5	6	7	8	9
GMP			A/B		C	D	

Clino® CR special mop covers

Examples for mop covers with max. liquid absorption of 130 ml

ISO	3	4	5	6	7	8	9
GMP			A/B		C	D	

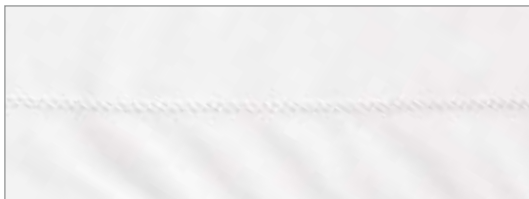
King CR Wiper Mop PW and PW/I

PW: Art. No.: 3500055
PW/I: Art. No.: 3500056, gamma ray irradiated

➕ Economical single-use mop cover

➕ If desired, gamma ray irradiated, available in double packs

➕ Ideally suited for cytostatic areas

➕ High degree of area coverage through back-lining

➕ High-quality, cleanroom-suitable workmanship

Floor types	All standard cleanroom and pharmaceutical floors
Work materials	100% Polyester
Equipment	With polyester pocket, with back-lining
Weight	50 g
Dimensions	40 cm
Packaging	Pre-washed, individually double-packaged

ISO	3	4	5	6	7	8	9
GMP			A/B		C	D	

King CR Wiper Mop S PW and S PW/I

S PW: Art.-No.: 3500063
S PW/I: Art.-No.: 3500068, gamma ray irradiated

Fraunhofer TESTED DEVICE IPA — PPS Planing GmbH King CR Technlogie 1 Report No. PF 1408#720

➕ Excellent cleaning performance through 100% polyester microfibers

➕ Special structure for optimal particle absorption

➕ Very high-quality, cleanroom-suitable workmanship

➕ High surface performance through back-lining

➕ Also ideal for cleaning walls or ceilings; can be sterilised

Floor types	All standard cleanroom and pharmaceutical floors
Work materials	100% Polyester with special structure
Equipment	With polyester pocket with back-lining
Weight	64 g
Dimensions	40 cm
Packaging	Pre-washed, individually double-packaged
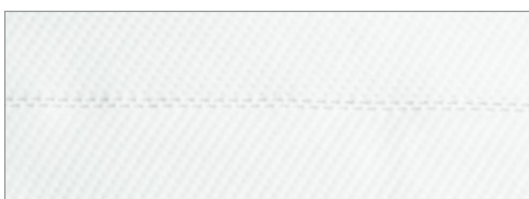
PPS – the company

Planning and consulting:
Based on the PPS system cycle, our internal and field sales specialists analyse your individual needs and requirements.

Engineering:
Using the modern 3-D design software "Solid Works", we can demonstrate different solutions – of course, your own specific ideas are also welcome.

Flexible manufacturing:
Through the high level of qualification, our metal, plastic, and textile specialists are able to quickly implement your requirements – even if this requires an individualised construction / solution.

Quality:
All of our products are made with our own tools; we have been implementing a quality management system in accordance with ISO 9001 etc. since 1994.

10-year guarantee on availability of replacement parts:
We support the proverbial durability of our systems by guaranteeing spare parts availability for 10 years as well as a complete renewal service for stainless steel trolleys that are up to 20 years old.

You have to be able to react quickly?
If required, we will also deliver large-scale machinery within a short period of time.

PPS Pfennig at a glance

Pfennig Reinigungstechnik GmbH
Heubachstr. 1
D-87471 Durach

Phone: +49 (0) 8 31 / 56 12 20

Fax: +49 (0) 8 31 / 6 10 84

E-mail: info@pps-pfennig.de

Internet: www.pps-pfennig.de

How to reach us:
Mon. – Thurs.   7:30 a.m. to 5:00 p.m.
Fri.   7:30 a.m. to 2:30 p.m.

Training:
We offer numerous practice-oriented and customer-individual trainings at our site in Durach (Germany).
We can also provide on-site training to your employees.

Always up to date:
www.pps-pfennig.de