

for more than 25 years

we develop, manufacture and distribute cleaning machines in stainless steel.

Our machines are used daily and prove their efficiency and quality.

Basis is our standard programm that can be adapted to any requirement by the equipment and accessory components.

It is important to build cleaning machine that cover all demands of the different industrial ranges and offer an optimal solution for individual requirements.



our aim

is to develop excellent cleaning systems by common concepts.

We build a machine for you that comes up to your conceptions, possibilities and your washing goods.

With us you get a durable, solid and first-class cleaning result.





## our service

### cleaning tests of your samples

If you have a concrete requirement for the use of our cleaning machines there are different possibilities to test the appropriate system and define the necessary machine equipment.

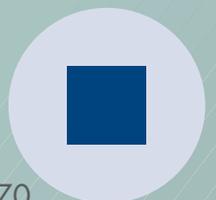
- individual advice at your company
- cleaning of samples in our laboratory
- test machines

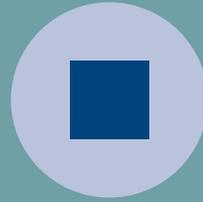
We look forward to arrange a date with you – call us.

Please ask for our respective brochure about the different machine series.

GeorgRender GmbH

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Georg Render GmbH  
Reinigungsanlagen

# cleaning technology in stainless steel



cleaning

degreasing

chip removal

phosphating

paint stripping

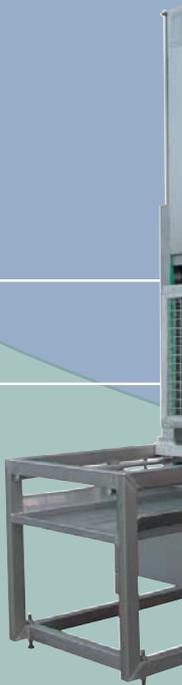
# cleaning mach

became indispensable with regard to their rationality, ecology and user comfort in industry and trade. With our machines cleaning problems of different ranges can be solved individually.

W/K turn-table-machines for warm/watery but also cold cleaning with basket diameter 400 up to 3.000 mm

AM combined machines for automatic and manual cleaning

C combined machines with turn table and turning device for small parts cleaning  
T drum cleaning machine (bulk goods)  
TH possibility for variabel taking up of different sizes and numbers of baskets



# chines

## principle

The medium will be suctioned by a centrifugal pump through a filter and sprayed on the washing goods by a three-dimensional nozzle-pipe system.

The washing goods are on a horizontally rotating turning basket or inside a turning device (small parts basket, lattice box) so it can be sprayed from all sides.

## spray/re-use process

By the spray/re-use system almost any task within the range of cleaning/degreasing can be solved.

Most of the commercial standard cleaning agents are suitable for this use.

The system is applicable for warm as well as for cold cleaning.

## application ■ area of inset

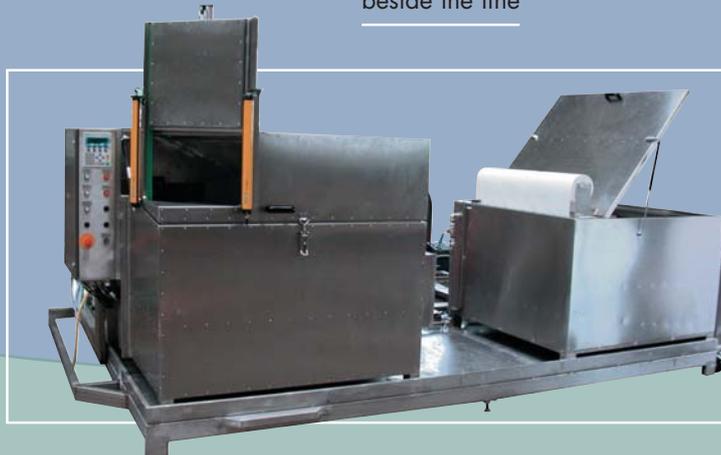
- manufacturing of new parts
- degreasing, chip removal, cleaning in-between, preparation for subsequent treatment/lacquer finish, galvanizing, end cleaning
- repair / reconditioning / maintenance
- degreasing, chip removal, cleaning, removal of oil coal, incrustations and persistent dirt, paint stripping, in-between or end cleaning for subsequent treatment or re-use
- paint stripping

## rinsing ■ drying

VL GE cleaning machine with turning device for a euro-crate-box

Depending on the kind of subsequent treatment of the washing good one or more rinsing systems (eco-rinsing for minimal water consumption, cycle rinsing with additional tank etc.) and/or a drying (blow off with cold air, warm or hot air drying) will be possibly necessary.

RT continuous machine in round tact proceed beside the line



### working procedure

- spray/re-use process
- dipping bath
- oscillation

ultrasonic

as required.

### working method

- per charge
- in-line
- on-line

as required.

### cleaning mediums

- watery cleaning agents
- solvents / cold cleaning agents
- water/solvent-mixture

and others.

a lengthening/preparation/recycling of the washing medium

can be achieved by different accessories of the equipment technology

- oilskimmer
- phase separator
- mud separator/chip removal
- microfiltration
- ultrafiltration
- distillation etc.

At disposal of the cleaning mediums the following has to be considered :

- local storage (space requirement, laws)
- costs for disposal

**H** variant of the basic series for large interior heights with vertical gate opening, front rack, trolley or conveyor



**DL** continuous machine in the line



**VL** cleaning machine with vertical gate opening for high basket loading and large interior heights with front rack, trolley or conveyor