

MOC Danner GmbH

Company presentation

2009



MOC produces industrial cleaning systems:

- **Stationary island solutions**
- **Mobile systems**
- **Inline systems**
- **Equipment for explosion-protected areas**





Formed in 1955 with equipment for immersion bath cleaning
 Cleaning program constantly expanded since the 1980s with
 addition of other methods

1990 Bavarian State Prize for Environmentally Friendly Methods

In second generation of the family since 2005

MOC – **M**etall – **O**berfläche – **C**hemie (Metal - Surface -
 Chemistry) is now a system house for cleaning
 technology

Current focus: Cleaning efficiency

Driving environmental protection in industrial
 cleaning

MOCefficiency-Programm



- Individual advance analyses for selecting the best cleaning method
- Cleaning system coordinated to the desired cleaning results
- Resource-saving set-up and construction of the cleaning system
- Saving manual activities
- Humanization of the work environment
- Low process and part costs
- Environmental protection →

Environmental protection

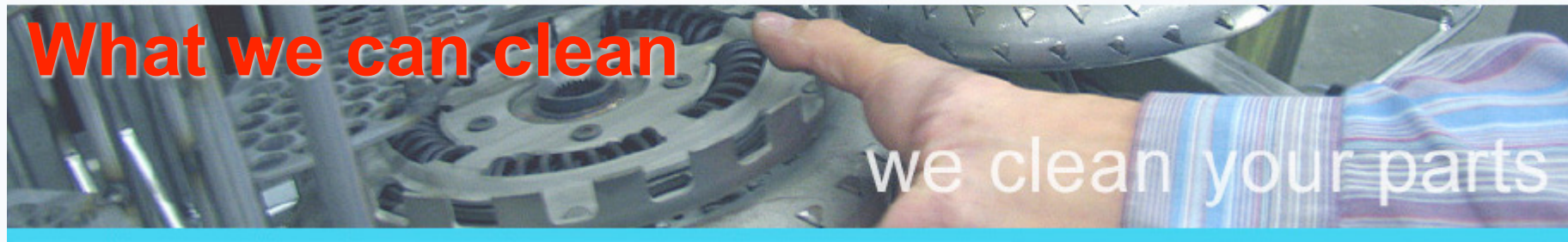
we clean your parts

MOC cleaning systems stand for environmental protection in practice:

- Economical use of electricity, water and pressurized air
- Media in a circuit.

MOCefficiency goes one step further:

- CO2 reduced by at least 15% compared to standard model.
- Media consumed and to be disposed of reduced by at least 20% compared to standard model.



When determining the right type of cleaning, we consider:

Knowledge of the substance to be cleaned

+ size and shape of the part to be cleaned

+ quantity

= perfect cleaning result

Our systems clean

- ✓ almost all sizes and shapes,
- ✓ from the simplest small part to complex assemblies,
- ✓ small and large quantities.



Turned parts/high-precision parts

Electronic components

Moulds and tools

Large parts

Cast parts

Hydraulic parts

Maintenance parts (heavy soiling)

Boxes and other transport packaging

Micro-parts

Plastic parts

Engineering components

Medical parts

Pipes (internal pipe cleaning)

Ground parts

Stamped parts

Deep-drawn parts



Cover tape
Cover paste
Emulsions
Grease
Felt-tip
Spots
Lime/water spots
Resin
Paint

Lapping compound, lapping
oil
Oils
Oxidation
Particles
Polish
Dust
Solvents
Wax

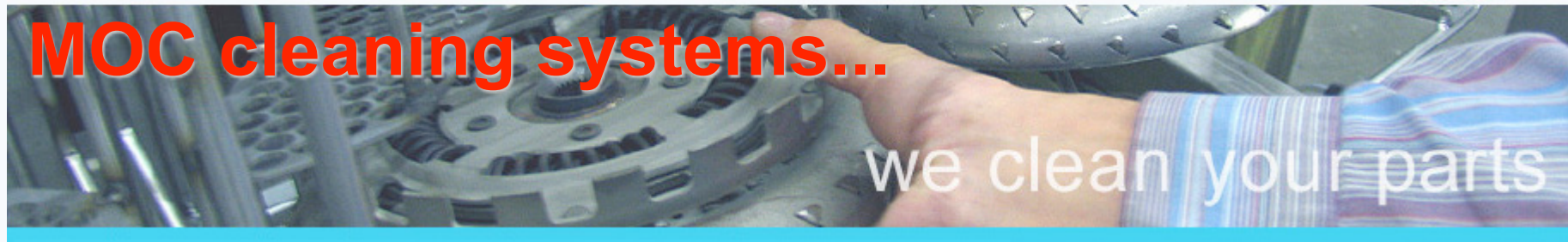
MOC range

we clean your parts

In terms of the cleaning process, MOC breaks down its cleaning systems into:

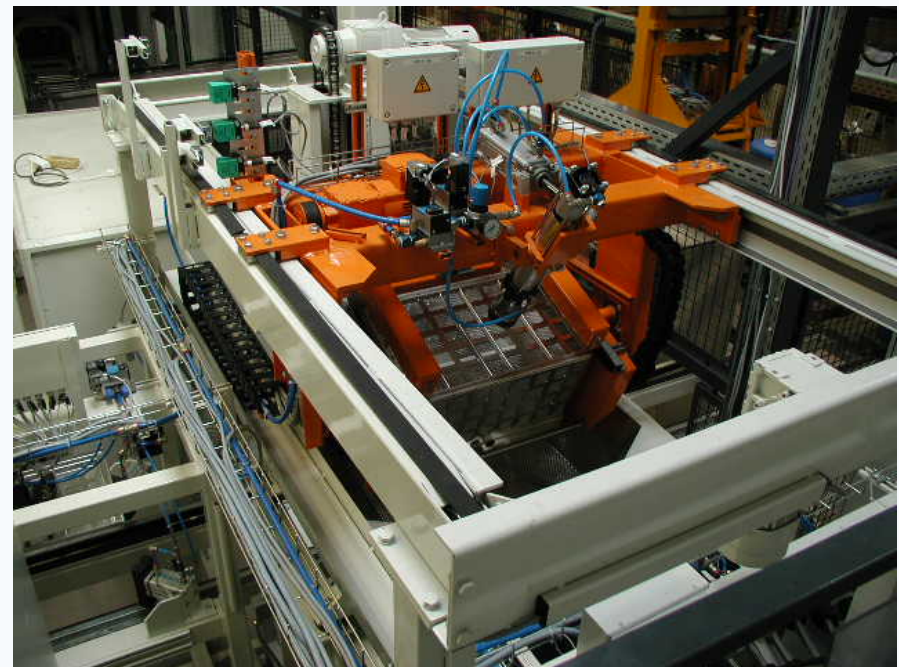
- Single-chamber systems
- Multi-chamber systems
- Cycle systems
- Inline systems





...work with the following technologies:

- Spray washing
- Injection flooding
- Expansion flooding
- Ultrasound
- Immersion
- Drums
- High pressure
- Plasma





Drying systems

Vacuum dryers

Hot air dryers

Freeze dryers

Infrared dryers

Thermal systems for

paint stripping

De-greasing

De-boning

Centrifuges

Baskets of goods



are performed in our test center with our customers' original parts.

Objectives: Gaining initial knowledge of the optimum cleaning method.
Getting to know part-specific requirements.
Being able to make individual recommendations.



Operating safety thanks to our services:

24 h – Service nationwide,

72 h – Service throughout Europe,

By agreement – Service world-wide.

Our service technicians are on location fast, if work has to be done on programing or mechanical elements.



MOC is a certified specialist company according to

Section 19 I WHG
(Wasserhaushaltsgesetz - German Water Resources Act)

ZERTIFIKAT ◆ CERTIFICATE ◆ 認 証 証 書 ◆ CERTIFICADO ◆ CERTIFICAT



Industrie Service

TÜV SÜD Industrie Service GmbH
[Technical control board, division: construction & operation]

hereby attests that the following company

MOC DANNER GMBH
Wiesenstr. 9
72119 Ammerbuch

is a certified company according to §19 I WHG *[Federal Water Act]*

for equipment intended for the manufacture, treatment or use of liquids hazardous to water and liquids hazardous to water with a flashpoint of lower than or equal to 55°C.

This certificate covers the following activities:

- Assembly
- Installation
- Maintenance
- Cleaning

Further information on area of activity: activities regarding metal cleaning equipment from own production.

Due to successful inspection of the certified company a monitoring contract has been concluded.

This certificate shall remain valid until September 2009.



[Signature]

TÜV SÜD Industrie Service GmbH
[Technical control board, division: construction & operation]
Region Baden-Württemberg
Abteilung Dampf und Drucktechnik
[Department for steam and pressure technology]
Gottlieb-Daimler-Str. 7 – 70794 Filderstadt



Ammerbuch, 25.09.2008

Expert consultant
Rainer Hermann

[Signature]

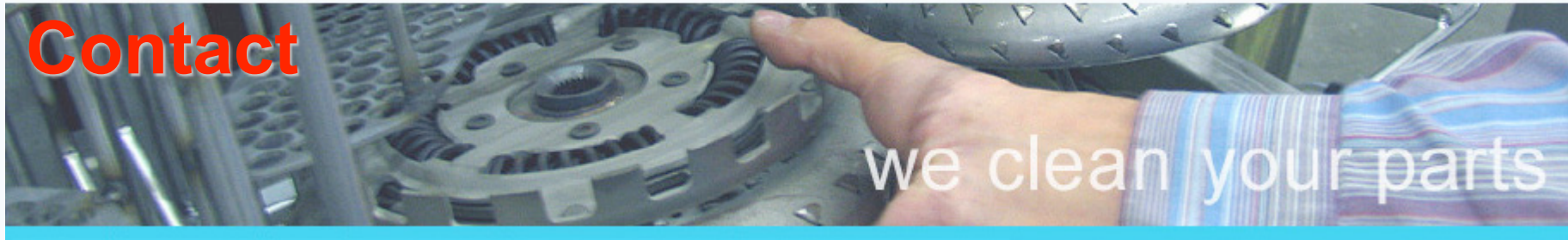
TÜV®

References

we clean your parts

Our systems are used for clean for companies in the following industries:

- Automotive and supply industry
- Chemical industry
- Electronics industry
- Mechanical and plant engineering
- Metalworking industry
- Medical technology
- Optics
- Public sector



MOC is represented throughout Germany via trade branches.

Foreign branches

in Switzerland and

in Slovenia

Headquarters:

MOC Danner GmbH

Wiesenstr. 9

72119 Ammerbuch, to the south of Stuttgart

www.moc-danner.de