



MOC **SHARK**



Powerful and
efficient
Cleaning



Immersion spray
equipment

The **MOC**company

Experience
Competence
Innovation



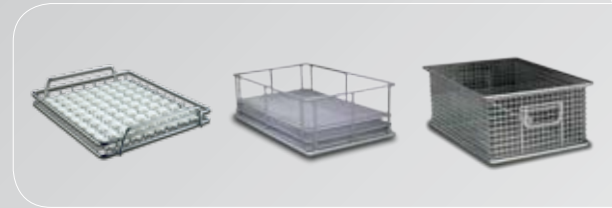
Thomas Danner,
Executive director

For over 50 years, MOC has specialised in the development and production of cleaning equipment.

»We are one of the leading manufacturers in the sector of cleaning technology today, with over 50 different equipment features such as ultrasound, surround flooding, coalescence precipitator and vacuum dryers.

It is our challenge to design and manufacture environmentally friendly and perfect plants for our customers. Through continuous innovation and improvement of the Shark series immersion spraying equipment, we are a compelling partner for the industry.«

→ **INNOVATIONS**



As a system house for cleaning technology, we develop not only innovative cleaning equipment tailored to your individual needs, but we also provide you with the best cleaning media. If suitable medium is not yet on the market, we develop the optimum solution for your application in our research department!

We know that each part has its specific cleaning requirements, as a result of our decades of experience. To be able to guarantee a perfect cleaning result, the type and manner of how the parts are transported into the machine and positioned there is of greatest importance. MOC has developed a variety of carrier and cleaning systems for this reason. In our test centre we find out which is the right one for you! We are grateful to carry out test cleaning for you.

Advantages of MOC SHARK

Ultrasound: A better effect than in every other chamber equipment on the market! Decisive: Ultrasound develops its full effect only in a completely degassed medium. Due to the unique design in MOC Shark, the medium is degassed at the beginning of the cleaning process, without an additional waiting time! To you, this means: Quicker processes, better effect, and low energy costs!

Flexible selection of cleaning media: Immersion, flooding or spraying cleaners can be used in a flexible manner in MOC Shark. Also special ultrasonic cleaners can be used without additional spraying cleaners or defoaming agents.

Energy efficiency: Through the combination of immersion and spraying, energy saving between 35–40 percent is attained in contrast to a pure-spraying equipment.

Oscillation: It possible only with MOC Shark to oscillate during rotation. Vertical stroke/lowering motion fills and empties blind holes during the cleaning process. There is no better type of cleaning for blind holes!

Separation of cleaning media: Spraying occurs above the immersion bath and the cleaning agent is guided through a sliding cover into a separate tank. In this way, contamination is reduced and the service life of rinsing bath is increased – far less bath renewal cycles are needed than in the case of other chamber equipment. This drastically reduces the waste disposal costs of the cleaning media.

→ **OPTIONS** for SHARK 50/100

- Ultrasound 25/40/58 kHz
- Filter 5–100 µm
- Oil trap
- MOCficiency
- Integrated monitor

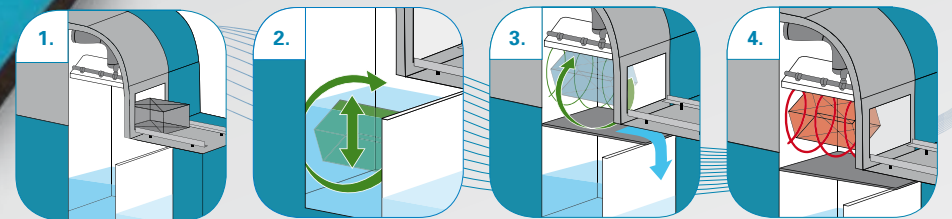
Operating comfort,
Operation safety
and durability



MOC SHARK – Clever against dirt!

MOC Shark is a special equipment developed for decentralised cleaning. MOC Shark is particularly well suitable for cleaning components that must be rotated or swivelled, e.g. due to blind holes. Separation of the applied cleaning and rinsing media through the two-chamber system especially developed by MOC is unique! Through design of the equipment, the cleaning medium is completely degassed in the immersion bath at the beginning of the cleaning process – a further technical innovation that caters for thorough and quick cleaning!

→ DATA	SHARK 50	SHARK 100
Standard external dimensions	825 x 1900 x 1600	950 x 2100 x 2000
Cage data	500 x 300 x 200	670 x 480 x 455
weight of materials	50 kg	80 kg
Bath content	230/150 l	475/300 l
Material with media contact	Stainless steel, plastic	Stainless steel, plastic
Rotating and swivelling device	0–360°	0–360°
Preheat function	✓	✓
variably adjustable oscillation	✓	✓
Control panel (10 programs, freely selectable)	✓	✓
Process data input	✓	✓
weight-independent control	✓	✓
Batch counter/ operating hour meter	✓	✓
Two-chamber system	✓	✓
Internal lighting for process control	✓	✓
Feed table	✓	✓
2 Media	✓	✓
HP-condenser	✓	✓
Rotary cage receiver	✓	✓
Heating (up to 80 °C) thermostatically controlled	✓	✓



1. The cage is pushed from the feed table into the turning device of the equipment.

2. The loaded cage is lowered into the ultrasonic bath and rotated there. The oscillation can additionally occur vertically.

3. Spraying occurs under rotation whilst the immersion cover is closed. Rinsing liquid is collected separately.

4. The components can be dried with hot air optimally. The cage can be swivelled and rotated.



Immersion and spraying!

The surface of the component is fully wetted independently of its geometry during immersion. Constant exchange of active chemicals occurs through movement. In the second phase, rinsing takes place during the spraying process. By combining the two processes in one equipment, one achieves maximum flexibility with regard to each application!



Ultrasound!

Environmental- and efficient cleaning at the highest level – MOC Shark is designed according to these criteria: The immersion bath is filled permanently with degassed cleaning liquid. Degassing of the cleaning liquid is a process undergone only once. In order not to disturb the bubbles in the immersion bath, the intensity of ultrasound can be reduced; this leads to primary energy saving and to a better result of cleaning. Efficient Engineering by MOC!



Two-chamber system!

With their immersion spraying equipment Shark, MOC is the only manufacturer on the market that guarantees complete separation of cleaning and rinsing media. This technical progress was realised by means of the SIDEC bath covering system specifically developed by MOC. Now you can use two cleaning media without difficulty, without falsifying the cleaning result through undesired chemical reactions, and substantially increase the service life of the rinsing baths!

Methods Of Cleaning



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