

Ecoclean 36W SFI



Ecoclean

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Cleaning module




Drying module

The Process

The proven cleaning method is based on injection flood washing using a linear flooding system. A high-pressure water jet deburring function with subsequent spray treatment solves additional burr and flash removal tasks.

A vacuum dryer system ensures a 100% removal of moisture from all workpiece surface.

A vapour absorber system dries and cleans circulating air and leads heat content back to the process.

The result: operations are free of exhaust air. In the basic equipment, the polluting load is retained in bag filters. The Dürr Automatic Fine Filter System (*EcoCFas*) optimally provides for the discharge and drainage of solid matters residues. 

High efficiency – cleaning and deburring in a single operation

The integration of a high-pressure deburring system will boost the productivity of your part manufacturing operation since it eliminates the need for several downstream processes. Up to two additional robots can be fitted for this high-pressure deburring step.

Fields of application

- Crankshafts
- Camshafts
- Fuel injection pumps
- ABS mouldings
- Transmissions components such as gear wheels, spline shafts, etc.
- Engine parts
- Cylinder blocks and – heads
- Complex-shaped parts supplied on product carriers (trays)

Benefits

- Superior cleaning and drying results leave workpieces ideally conditioned for further processing
- Reduced investment cost
- Operating cost savings
- Reduced equipment footprint
- High throughput for optimum performance in rapid-cycle volume manufacturing
- Eco-friendly process technology, e.g., aqueous cleaning media, low waste water/air discharge volumes



Flood chamber



Turning device

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Technical data

Ecoclean 36W SFI

Length	5,040 mm
Width	3,020 mm
Height	2,800 mm
Weight*	9,000 kg
Connected electrical load	90 kVA

Ecoclean 36W SFI – HD

Length	5,540 mm
Width	3,020 mm + 2,250 mm
Height	2,800 mm
Gewicht*	11,000 kg
Connected electrical load	150 kVA

Ecoclean 36W SFI – HD 2-Bath-Technology

Length	6,540 mm
Width	3,020 mm + 2,250 mm
Height	2,800 mm
Weight*	18,000 kg
Connected electrical load	160 kVA

Ecoclean 36W SFI – HD 2-Robot

Length	8,540 mm
Width	3,020 mm + 2,250 mm
Height	2,800 mm
Weight*	20,000 kg
Connected electrical load	200 kVA

Workpiece specifications

L x B x H	max. 700 x 400 x 350 mm
Weight	max. 45 kg
Throughput	max. 160 pcs./h
Noise level	75 dB(A)

*dry

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