

Modular Intermediate Cleaning Best in Class

EcoCvac



ECOCLEAN

technology that inspires

EcoCvac

The process

The EcoCvac cleaning system was created for pre- and intermediate cleaning of all types of mechanical assembly components. Prior to the next processing step, e.g. the assembly of bearing covers or valve seat inserts, the workpieces must be as clean as possible from swarf, emulsions or oils. The newly developed and patented cleaning process using suction eliminates the use of compressed air.

Within seconds, swarf and liquids are extracted by generating a powerful vacuum suction. This also eliminates the effort of cleaning the process chamber, as it is simultaneously cleaned together with the workpieces during each pass. The swarf and fluids can then be disposed of separately as needed without having to manually clean the process chamber.

By eliminating the need to use costly compressed air for cleaning purposes, the system uses much less energy. The costs of the electric power necessary to activate a vacuum pump, compared to compressed air, results in more than a 50% savings.

Fields of application for pre- and intermediate cleaning

- Crankcases and cylinder heads
- Transmission and clutch housings
- Crankshafts
- Hydraulic parts
- Pump housings

The system

- Functional and transparent system design for maximum flexibility in layout planning
- Technical module and process module can be installed up to 10 meters apart from each other
- The modular design allows for loading and unloading via robots, portal, roller conveyor as well as manually
- Swarf and liquids can be disposed of separately
- Noise level below 75 dB(A)
- Optimal maintenance accessibility combined with compact installation area

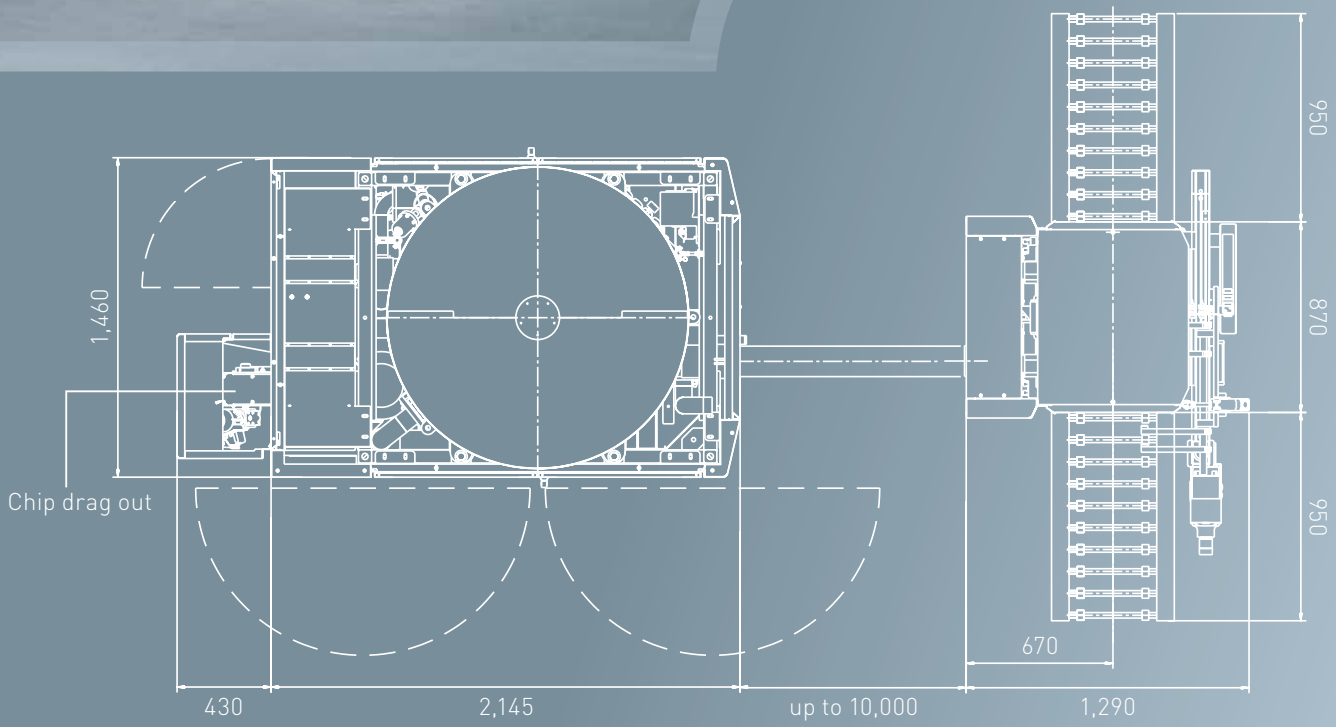
The system is able to achieve cycle times of 30 seconds, depending on the chosen process.



Technical data

SYSTEM SPECIFICATIONS	Technical module	Process module
Length	2,145 mm	2,520 mm
Width	1,460 mm	1,290 mm
Height	3,650 mm	2,300 mm
Weight	2,500 kg	1,500 kg

WORKPIECE SPECIFICATIONS	
Length	up to 750 mm
Width	up to 400 mm
Height	up to 400 mm
Workpiece weight	up to 80 kg





Our Locations Worldwide



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