



innovative cleaning systems



NOTHING*

✳ *...is what you want to find as a residue from the initial contamination after cleaning of your components.

We get very close.

Technical cleanliness of components and systems

Residues of all kinds on components can soon become a spanner in the works. With innovative cleaning technology, the systems from Hösel GmbH provide maximum cleanliness. But we have to admit, in this connection there is no such thing as “nothing”. With the modern testing and analysis technology

available to us, even the smallest particles can be detected.

With innovative standard machines and individually customized system solutions, Hösel GmbH fulfils the highest requirements for cleanliness for the manufacturers of precision parts, for example in the automobile industry, aviation, space, medical technology, precision engineering, electrical and electronic industries.

Individual system solutions

Effective consultancy

The range of services from Hösel GmbH includes intensive customer consulting for customized solutions as well as project planning, production and installation of the cleaning systems, maintenance and supply of replacement parts.

Customer consultancy ranges from a needs analysis on-site, right up to the development of a tailored/customized solution.

Conducting practical cleaning tests in the early stages, including the evaluation and reporting of the results in our own residue laboratory, ensures that you get a proper matched solution for your exact needs.

HÖSEL
innovative cleaning systems

Re: **Restschmutz Auswertung nach VDA Band 19**

Prüfgegenstand		Proben-Nr.:	1
Kunde:	Hösel	Prüfdatum:	27.05.2011
Bauteil:	Lösemittelprobe	Prüfer:	Hösel
Bauteil-Nr.:	Prüfstand		

Extraktion		Anzahl Teile:	
Verfahren:		Oberfläche Bauteil [cm ²]	
Spülflüssigkeit:	Dowclene	Filterart:	Cellulose 47mm
Menge [Liter]:	800 ml	Sauberkeitswert:	
Gewicht [mg]:	[mg]	mg/1000 cm ² :	[mg]
mg/Bauteil:	[mg]		

Mikroskopische Analyse		Auswertedurchmesser [mm]:	44.0
Maßstab:	6,7 µm/Pxl	Länge[µm]	149
		Länge[µm]	442
Größter metallischer Partikel		Breite [µm]	61
Größter nichtmetallischer Partikel ¹		Breite [µm]	85
		Gesamtlänge Fasern [mm]:	6.91
		Länge der größten Faser [µm]:	1338
		Partikelanzahl ¹	

Lupenfoto: Fotolia.com



SOLVACS

Full Vacuum Assisted Cleaning Systems with the use of non-halogenated hydrocarbons, modified alcohols and chlorinated solvents.

Innovation leader

Hösel GmbH, founded in 1999, is a special provider of cleaning systems particularly for demanding tasks. This includes, for example, precision cleaning of components for fuel-injection systems as well as the smallest parts in mechanical watches.

The full-vacuum systems are designed for immersion, vapour and flood cleaning with hydrocarbons, modified alcohols and chlorinated solvents.

As a member of the Surface Alliance, a strong competence partnership, there is the possibility of access to a wide range of technology know-how. The members of Surface Alliance are LPW Reinigungssysteme GmbH, EMO Oberflächentechnik GmbH, Mecanolav-Ridel S.A.S (France) and NexGen CleanTech Pvt. Ltd. (India) and include Hösel GmbH. Within this group Hösel GmbH is the leader for ecological and economic developments in the area of cleaning technology.

Qualified and highly motivated employees with a strong focus on customer needs are the basis of success for Hösel GmbH.



Sensible – in every respo

Environmental protection and reducing demands taken very seriously at Hösel. Particular emphasis along with a high level of user-friendliness of th



Engineering know
Made in German



Quality down to the last

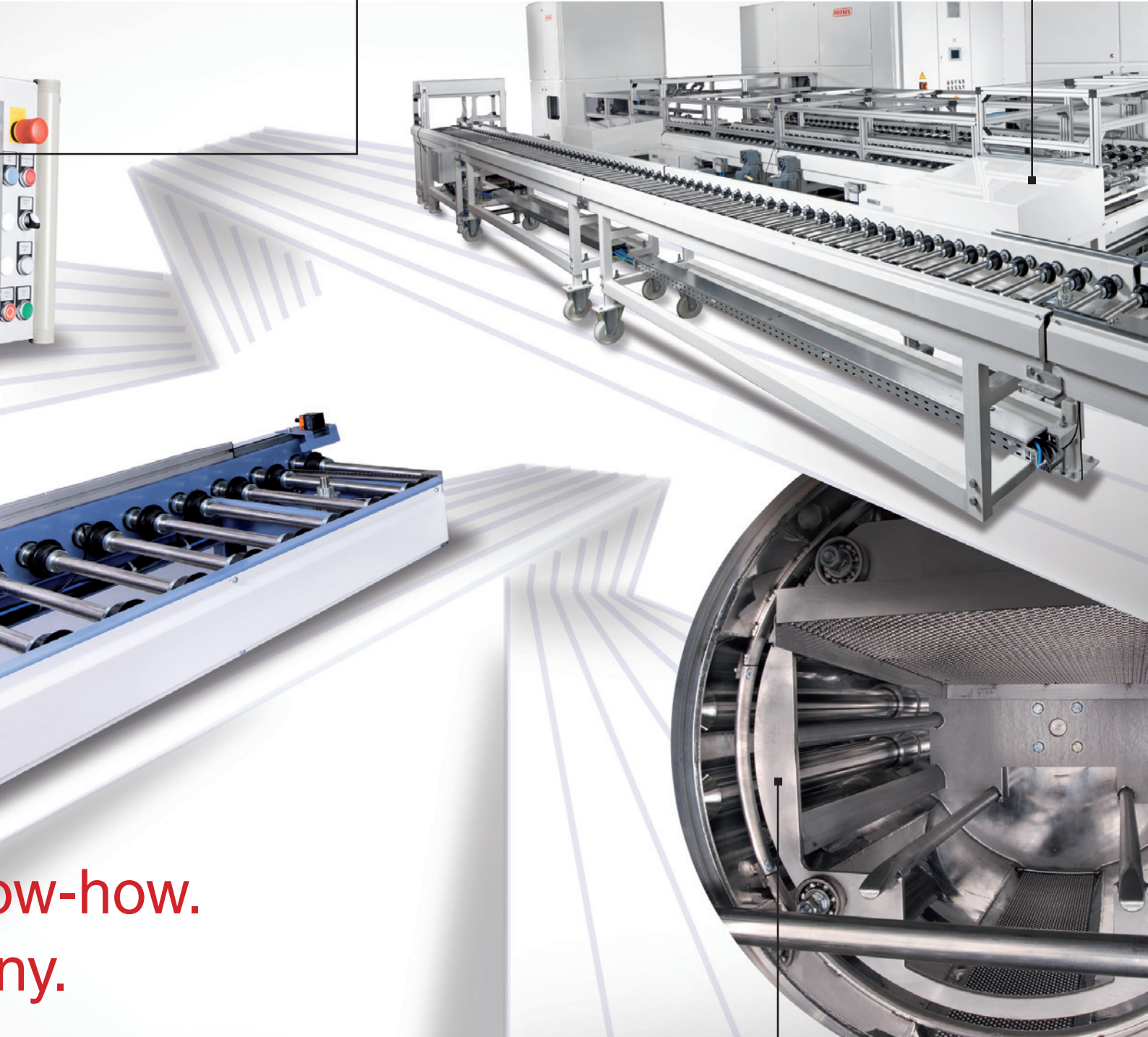
Thanks to the use of first-class components ma certified quality. Quality reflected in the well-th with respect to functionality and ease of use an

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d on critical natural resources are
asis is also placed on work safety,
ne machines.

Flexible and innovative

Individual cleaning systems are implemented completely in accordance with customer wishes, thanks to a well-thought-out overall concept and modular design. Extensive consultation and test runs in the early stages are a matter of course.



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ny.

detail

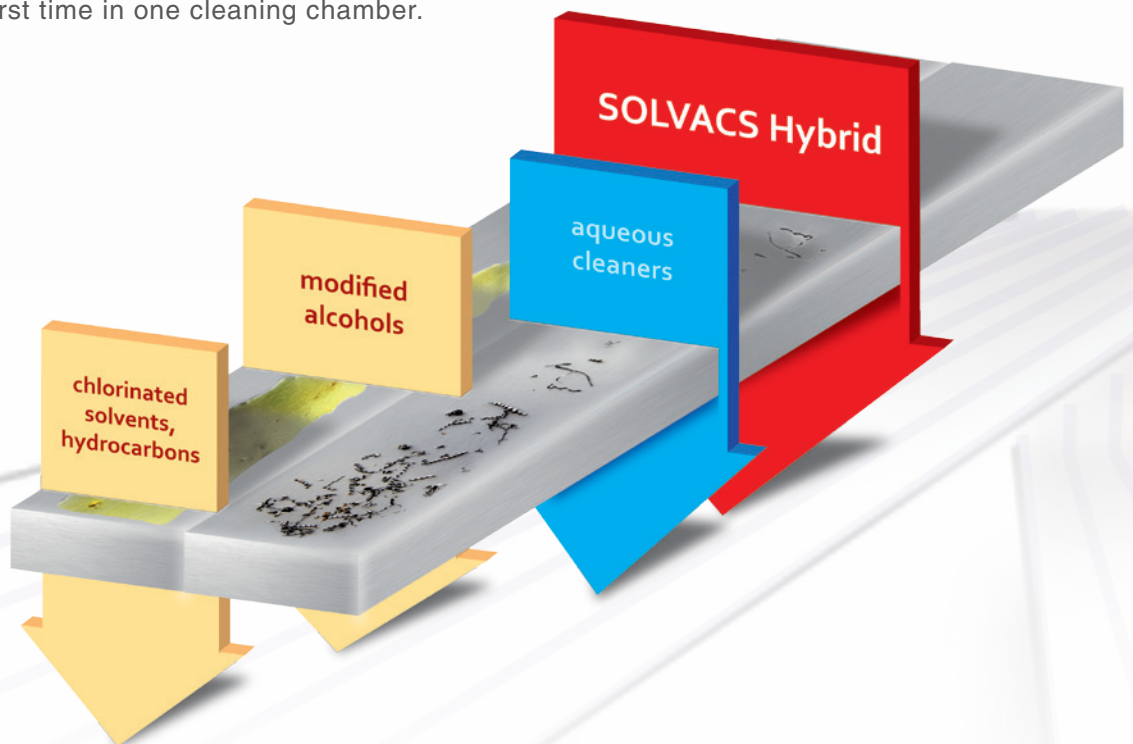
ade in Germany, Hösel guarantees
ought-out concepts of every system
nd maintenance.

SOLVACS Hybrid

Full-vacuum assisted cleaning systems for combined cleaning with solvents and aqueous media.

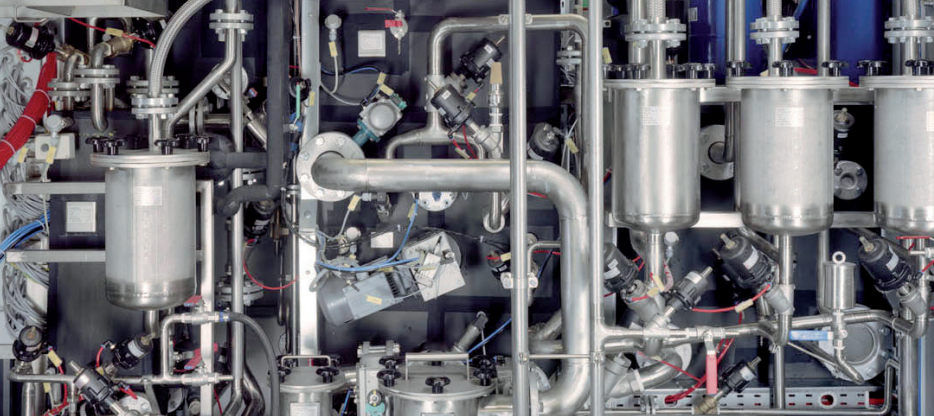
Like dissolves like

These Hösel cleaning systems work completely on the basis of this law of chemistry. With the hybrid models, the advantages of solvent cleaning are combined with aqueous cleaning for the first time in one cleaning chamber.



Problem & solution

The parts to be cleaned are not always contaminated with only organic or inorganic material. There is frequently a combination of both types of contamination on the surfaces. In such cases the effort using conventional technology to achieve cleanliness in accordance with current industry standards is enormous. This is exactly where the principle of the SOLVACS Hybrid cleaning takes effect. The combination solution in the truest sense of the word relies on, Solvent and Aqueous, Single or Multi-Stage – in just one cleaning chamber.



System examples

Hybrid – cleaning with an edge

The unique SOLVACS Hybrid system allows flexible working because it is not tied to one particular cleaning medium and thus fulfils the demands for the highest quality. In addition to the solvent cleaning, an aqueous cleaning stage is also implemented in the system. Even a further stage for conservation is available – all in one cleaning chamber.

- Immersion cleaning (solvent and aqueous) and vapour degreasing (solvent)
- Optimum cleaning of organic and inorganic contamination
- Simultaneous operation of ultrasound (optional) and pressure circulation with increased temperature (Power-Sonic cleaning)
- High lifetime of the aqueous bath (amount of oil in solvent part)
- Continuous distillation of the solvent
- Vacuum drying
- Individual customized solutions to address all problems for all sizes and weights



SOLVACS S precision cleaning system
with 3 cleaning chambers



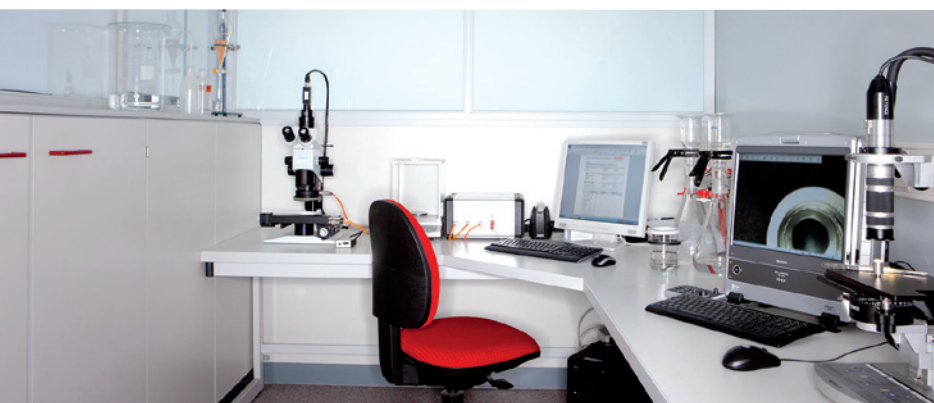
SOLVACS 2 standard system
(batch size 530 x 320 x 200 mm)



SOLVACS SD flow-through cleaning system
with loop automation system



2 SOLVACS 2 S precision cleaning systems
with joint automation device



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Certified to ISO 9001:2008

Service worldwide.



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