RUWAC Asia

Specific solutions for demanding industries



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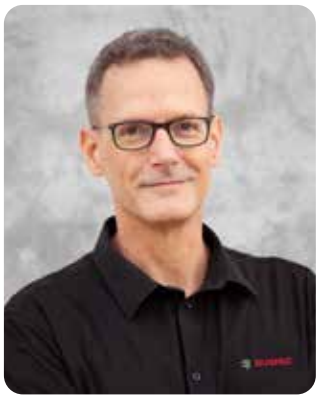


Dear Customers

For more than 50 years RUWAC has been known for building the highest quality industrial vacuums and dust collectors. However, the industrial vacuum and dust collector business can be quite tricky due to the many factors influencing its unique requirements.

Therefore we try not to sell something “off the shelf” – in fact we do not have any standard “model” in our product range. Instead we use all our experience and know-how to find out the exact requirements for each particular case. We take customer satisfaction very seriously and will only supply our customers with solutions that are completely safe, long-lasting and perform every day as promised.

Yours sincerely,



Matthias Hoffrichter
Managing Director –
RUWAC Asia Group

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Specific solutions for demanding industries

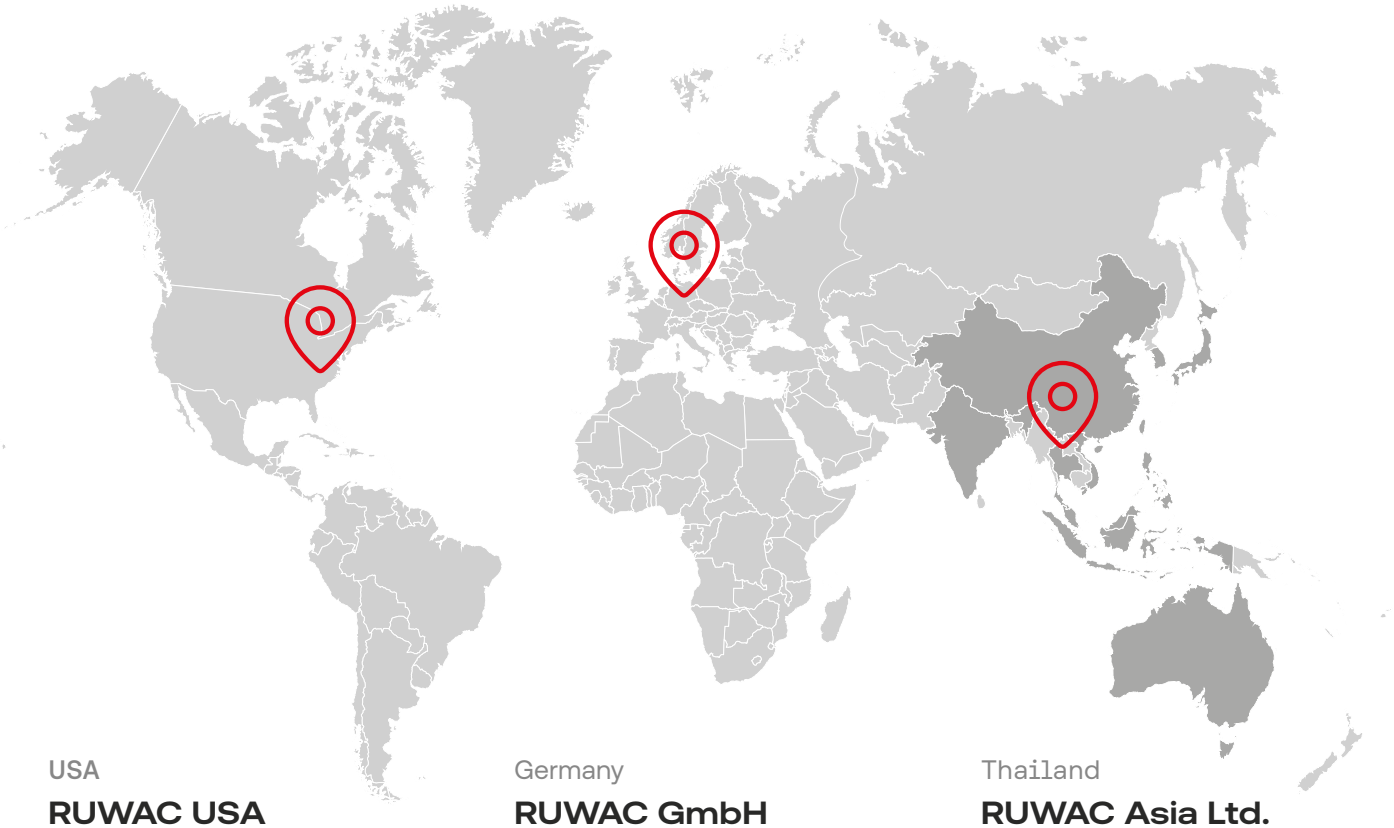
With over 50 years of experience, we have learned that “standard” dust collection tasks really don’t exist in industrial sectors. Every industry, every work environment and every application is different! Even small variations in waste properties, such as moisture content, particle size or specific weight, can have a huge impact on the dust collection system specification.

Filter size and type, collection method, suction drive specification and many other details need to be considered carefully. Therefore, ‘standard’, ‘commercial’ or ‘household’ vacuums are neither safe nor suitable for industrial applications. That is why we don’t quote by model name or motor power but offer customised solutions. RUWAC solutions are always designed to work well for a particular application and the unique requirements of our customers.




RUWAC

Worldwide manufacturing



USA
RUWAC USA
Holyoke MA

Germany
RUWAC GmbH
Melle

Thailand
RUWAC Asia Ltd.
Chonburi

Specific solutions for demanding industries

Industries:
Aerospace
Automotive
Cement & Construction
Chemical & Paint
Electronics & Foundries
Food & Beverage
Metalworking
Original Equipment Manufacturers (OEM)
Packaging & Logistics
Pharmaceutical
Plastics
Steel

Application examples

A variety of perfect fits



Sanding and Grinding of Composites
Wind Power Blades made of fibreglass are processed with sanding tools.

RUWAC vacuums are removing the fine dust right at the tool and source before it becomes a danger to the worker and pollutes the workspace – avoiding expensive and long cleaning work at the same time.

3D Printing and Additive Manufacturing
New Additive Manufacturing machines remove the dust in closed systems right in the machine. But also new machines struggle to remove all material, which can cause explosion risk and health risks.

RUWAC vacuums remove the remaining material safely and ensure most of the material can be disposed cheaper, more environmentally friendly – or even re-used.





Central Systems for Cosmetics Production
Cosmetics products often require mixing of powdery additives and create airborne dusts.

RUWAC Central Systems allow to extract the dust right at the source, with flexible suction points and just one centralized dedusting machines.

Application examples

A variety of perfect fits



Special Chemical Industry Machines
The chemical industry often requires specialized machines for its dangerous and hazardous substances.

RUWAC vacuums help to remove those while maintaining a safe environment and compliance to regulatory requirements. Passing your audit is our passion.

Packaging Solution for Food & Pharma
RUWAC provides comprehensive solutions including pre-separators and vacuum cells combined with the high-air-volume DS6 extraction system.

You can be sure that your filter last much longer – and even big amounts of dust are removed easily and without escaping into your factory.





Fibre Removal
Fibres can be very challenging to remove: Fine fibre passes through filters – and long fibre already clog the hoses and piping.

RUWAC vacuums can be easily customized to remove fibre of any length, weight and consistency.



Mobile industrial vacuum with a suction arm
Protection of operator while
manually pouring powder

Furniture Manufacturer Floor Cleaning
With mobile vacuums and a very broad range of accessories RUWAC helps to remove furniture dust from floors efficiently – on big floor areas as well as small gaps and hard-to-reach nooks and crannies.





Aluminium Grinding Dust
Grinding stations are often underestimated: Especially aluminium and titanium dust pose a high explosion risk.

RUWAC dust extraction systems remove all dangerous material under strict elimination of any risk from sparks. Safe and in compliance with regulations – so you can focus on your work instead of risks.

Application examples

A variety of perfect fits



Metal Chips mixed with Cooling Liquids
Grinding, drilling, cutting can produce high amounts of metal chips in all sizes – mixed with lots of cooling liquid or lubricants.

RUWAC metal chip separators allow you to easily and efficiently remove all the chips and liquids. And for disposal they are already separated so you lose no time digging through lots of oily materials and don't waste money for expensive disposal of mixed materials.

Laser Cutting Machine Cleaning
Laser cutting produces a difficult mix of bigger and smaller metal pieces in all shapes.

RUWAC machines help you to remove such parts easily – from inside your Laser Cutting Machines and even those nasty hard-to-reach areas.





Precision Engineering & Surface Finishing
Highly advanced metal milling machines that are used in precision engineering and surface finishing often come without a powerful dust removal system.

RUWAC machines are customizable to cover exactly the requirements of your machine table, with a highly variable suction power, filtering system and even connection to your machine management system.



Manufacturing of Metal Doors
A German door manufacturer is challenged by the production of front, interior and garage doors in high volume and high variability.

RUWAC provides the suitable high-performance mobile industrial vacuum cleaner with a pre-separator that allows the complex production runs without interruptions for long times.

Flexible, Hybrid Mobile & Central System
This system shows RUWAC's strength with a flexible, practical 2-in-1 solution: a mobile vacuum PLUS fixed piping system!

During production the powerful mobile vacuum is stationary and connected to the piping system. During cleaning breaks the vacuum becomes mobile by detaching it from the piping and using it as a normal mobile machine for floor cleaning.





Sterilized Filters in Food and Pharma Production
Many companies struggle with high filter costs due to regular replacement of contaminated cloth filters: They can be washed, but after 1–2 washing cycles they are contaminated with bacteria and destroy health products and medicines.

RUWAC's unique and advanced filters can be cleaned in a dishwasher and sterilized in an autoclave. Customer report reduction of bacteria contamination by over 90 percent and near unlimited run time of the filter.

Featured product | Mobile vacuum R01



Vacuuming during a circuit board production process



Vacuuming of malt residues and dust in a brewery



Battery-powered outdoor heavy-duty cleaning job



Compact. Customisable. Consistently industrial.
The R01 is the mobile industrial vacuum for processes that tolerate no compromises – built to a standardised design, customised to your needs, and consistently reliable.

- Power: 1.5 – 7.5 kW
- Tank capacity: 35 litres
- Media: Dust, chips, liquids
- Protection: ATEX design variants available for dust and gas explosion hazards
- Application: Mobile, stationary, or integrated into processes

Featured product | Deduster DS6





Tandem installation in a milk processing company



Aluminium grinding

Powerful. Reliable. Leading.
Designed to ensure clean air in sensitive processes: the powerful deduster for industries and applications where safety and health are top priorities.

- Application: Fine dust / airborne dust
- Operation: Continuous operation / Process extraction
- EX: ATEX optional
- Filter: M / H



DS6 in stainless steel housing in a hygienic environment

Industrial vacuums



Industrial vacuum with three-phase drive for dust-explosion-protected areas DS2

- High drive capacity (optional with two drives)
- Larger filter surfaces for extended service life
- Large collection and disposal capacity
- Modmodular configuration (filters, fans, waste disposal)
- ATEX and asbestos-compliant design variants available
- Can also be used as a compact extraction system



Industrial vacuum with three-phase-drive for dust-explosion-protected areas DA5

- Operation: 24/7 continuous operation
- Tank capacity: 150 litres, tiltable
- Drive: Vane blower (three-phase current)
- Filter: Pocket filter with automatic cleaning
- Explosion protection: ATEX zone 22 (optional)
- Mobility: Chassis & integrated forklift pockets



Wet separator without drive for dust- and gas-explosion-protected areas NA250

- Separation principle: Wet separation with a dip tube and a swirl screen
- Volume: 75 litres liquid capacity
- Media: reactive, explosive, pyrotechnic dusts
- Residual dust: optional filter class M or H
- Integration: as a pre-separator upstream of industrial vacuum cleaners



Wet separator with three-phase drive for dust-explosion-protected areas NA35

- Principle: Wet separator for trapping particles in liquid
- Application: reactive, explosive, and metallic dusts
- Liquid volume: increased for longer replacement intervals
- Housing: conductive GRP, corrosion-free
- Integration: standalone or into existing extraction systems

Industrial vacuums



Industrial vacuum with Longopac® R24

- Cordless battery-powered vacuum cleaner (up to 120 minutes of runtime)
- Integrated Longopac® system for contamination-free disposal
- Modularly configurable (filter, dust class, power)
- Conductive GRP housing
- Optional: zone 22 design variant



Longopac® as disposal system

- A plastic tube is used, which is cut to length and sealed. This enables virtually uninterrupted operation.
- Contact with the material being extracted is minimised, and dust disturbance during changes is reduced. At the same time, the system remains operational without the need for regular bag changes.



Wet separators with single-phase drive for vacuuming of reactive materials in AM

- Principle: Wet separation (particle binding in liquid)
- Suitable for: Titanium, aluminium, magnesium, and pyrotechnic dusts
- Safety features: Equipotential bonding, level monitoring, dust class H
- Options: ATEX design variant, integrated control (R07 A)



Dry pre-separators R26 for use in combination with NA7 or NA35

- Function: Dry pre-separation of metal powder
- Benefit: Reuse of collected material possible
- Application: Post-processing in additive manufacturing
- System: Operation upstream of wet separator (NA7 / NA11 / NA35)
- Safety: Equipotential bonding & fill level monitoring
- ROI: Reduced powder, maintenance, and disposal costs

Industrial vacuums



Wet vacuum with three-phase / single-phase drive WSP2000

- Media: Liquids, slurries, water-containing materials
- Drive: 1.2 kW (higher power available as an option)
- Special feature: integrated pump, optional firefighting function
- Mobility: pneumatic tires, compact footprint
- Housing: conductive GRP, corrosion-free
- Mode of operation: Suction, pumping, combined



Chip vacuums with three-phase / single-phase drives

- Application: Metal chips and coolants
- Separation: chips & liquid in a single operation
- Typical applications: Metalworking, CNC machines, factory floors
- Special feature: Optional simultaneous suction and pumping
- Safety: Aerosol-free exhaust air
- Operation: Continuous duty (three-phase current version)



Vacuum cell R25

- Function: Dust-free filling of big bags under vacuum
- Benefits: Closed material flow without dust emissions
- Application: Powder, dust, and bulk material handling in industrial processes
- System: Used as a pre-separator upstream of RUWAC extraction systems
- Process advantage: No mechanical discharge elements in the product stream



Pre-separators

- Function: Separation of large amounts of material before the vacuum cleaner
- Benefits: Significantly reduced filter loading and more stable suction performance
- Application: Dust, chips, and liquids generated in industrial processes
- System: Upstream component within RUWAC extraction systems

Industrial vacuums



Industrial vacuums for food & pharma

- Stainless steel variants
- Complies with hygienic regulations in food & pharmaceutical processes
- Can be integrated into Good Manufacturing Practices (GMP)
- Power: 1.5–2.2 kW
- Tank capacity: 25–210 litres



Industrial vacuum with battery power R01 D

- Power: 1.9 kW
- Tank capacity: 35 litres
- Media: Dust, chips, liquids
- Protection: ATEX design variants available for dust and gas explosion hazards
- Application: Mobile



Deduster with Longopac® R13

- Operation: 24/7 continuous operation
- Noise level: from 64 dB(A)
- Disposal system: integrated Longopac® system
- Filter class: M or H
- Explosion protection: ATEX zone 22 (optional)
- ESD: conductive design variant available
- Footprint: 560 × 670 mm

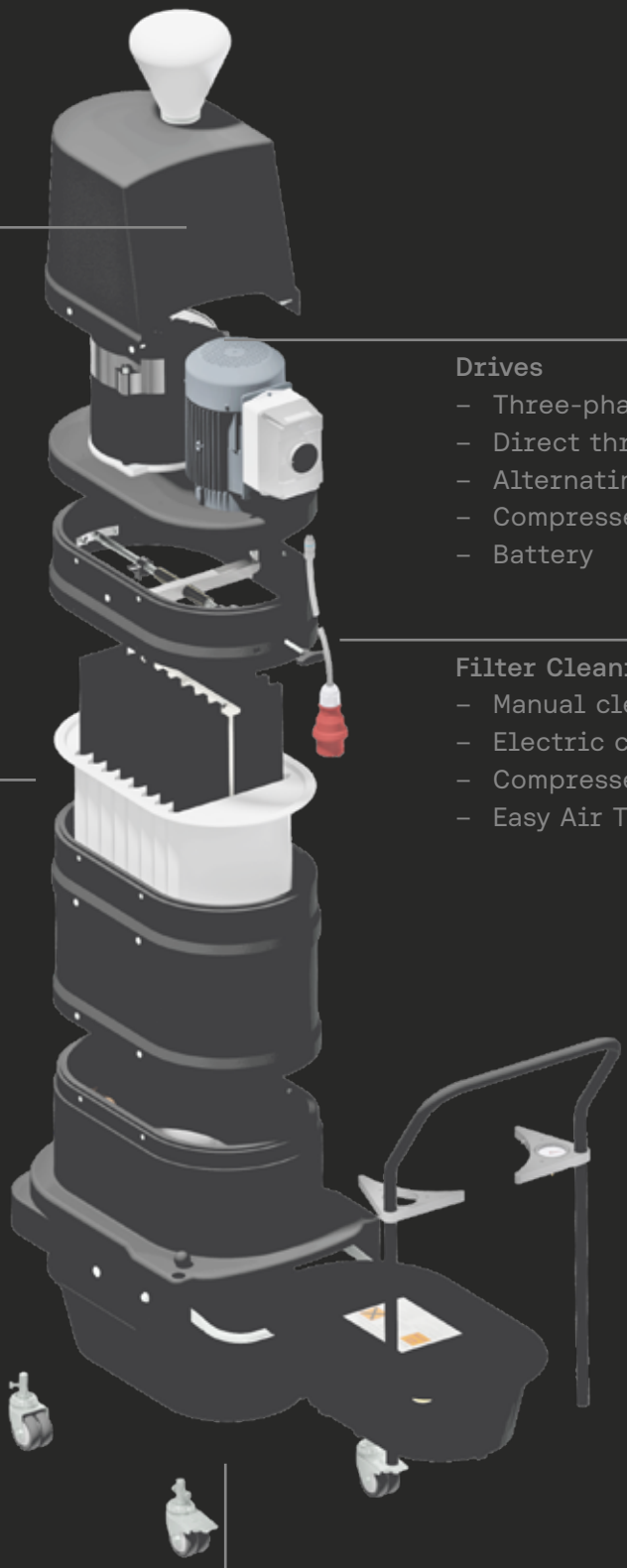


Deduster with three-phase drive DS3

- Application: Fine, dry industrial dust
- Filter technology: Cartridge filters with automatic compressed air cleaning
- Operation: Continuous operation (24/7)
- Dust class: M / H (optional)
- Explosion protection: ATEX zone 22 (optional)
- Installation: Compact, next to the machine

RUWAC modular system

The RUWAC modular system for industrial vacuums and mobile dedusters. Proven quality and performance since 1976. Customisable for a wide range of applications and operating environments.



Sound-absorbing hood

Drives
- Three-phase
- Direct three-phase
- Alternating current
- Compressed air
- Battery

Filter Cleaning
- Manual cleaning
- Electric cleaning
- Compressed air-cleaning
- Easy Air Touch

Filters
- Activated carbon filter
- Residual dust separator, dust class H
- Bag filter, dust class L/M
- Cell filter, dust class L/M
- Cartridge filter, dust class L/M
- OMIKRON filter, dust class M

Dust Tray
- With a dust collection container
- With a plastic bag.

Chassis
- With wheels of various sizes, ranging from 75 to 200 mm
- With forklift pockets

RUWAC cartridge filter system

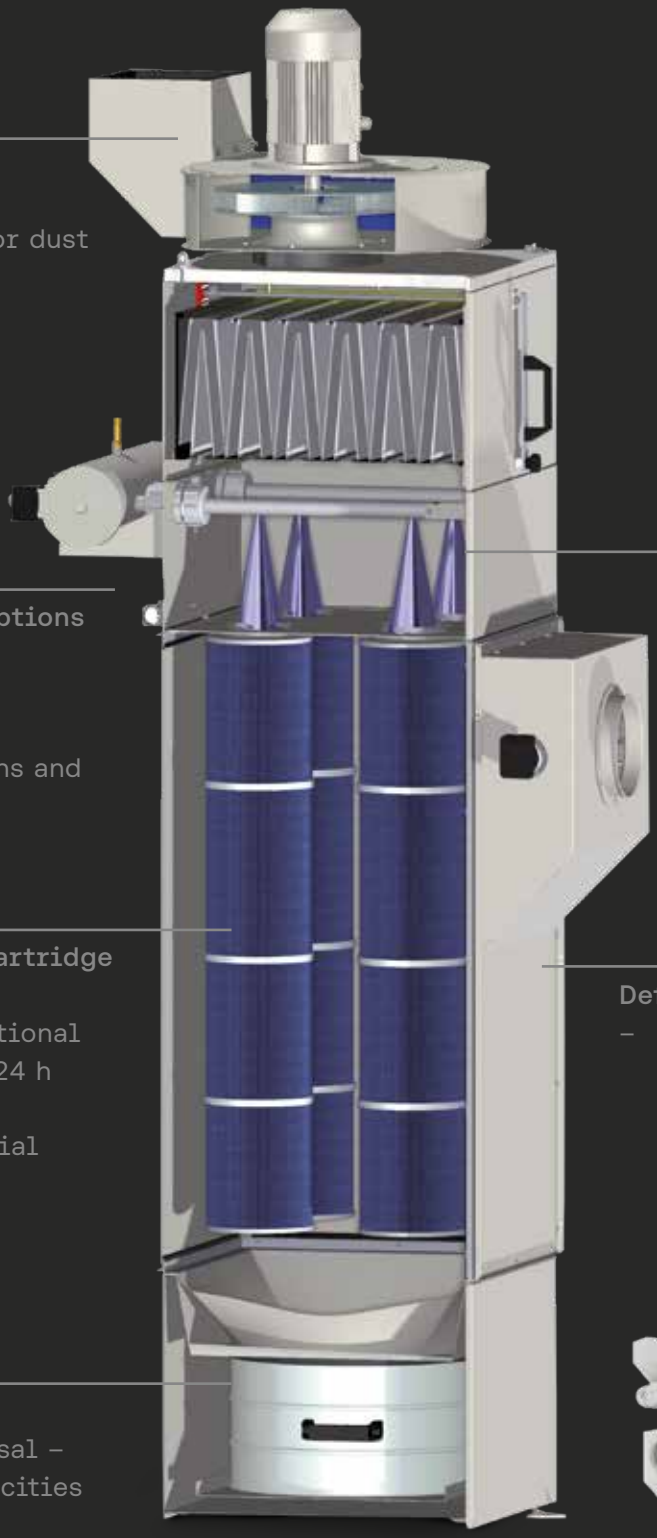
Solutions for fine dust extraction and dedusting applications. Cartridge filter housing and integrated computerised automatic filter cleaning. Suitable for 24-hour continuous operation.

Suction drives
- All ATEX classes
- Large air volumes for dust extraction
- Vacuum power for dedusting.

Control systems and options
- Filter monitoring
- Dust bin level
- Prefilter
- Customised functions and options

Very efficient large cartridge main filter
- Fully automatic sectional filter cleaning for 24 h duty applications
- Smart PLC differential pressure control

Dust disposal.
Convenient dust disposal – Options for large capacities and continuous dust discharge.



Secondary filters for special applications
- Residual dust H filter
- Active carbon filter

Deflector
- RUWAC deflector design for increased filter life



DS6
for dust reduction



DS3
for dedusting

We are here for you

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