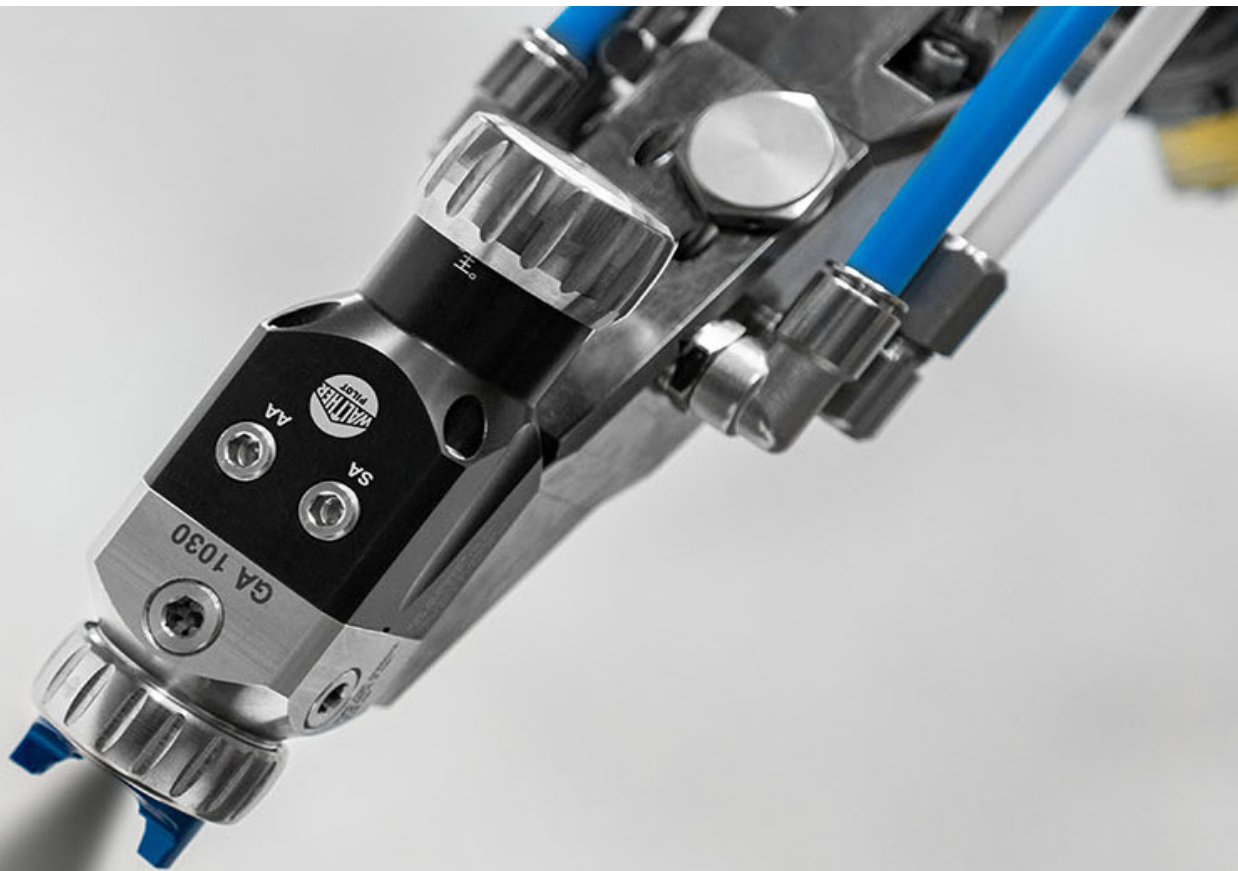




Product Range Overview 2024 / 2025



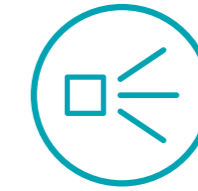
Welcome to Walther.

We offer solutions from material preparation to application.

Walther is your reliable partner for high-quality surface coating and precise application of adhesives, release agents and much more. Known under the Walther Pilot brand, our product portfolio offers you convenient, environmentally friendly and reliable systems that meet the highest quality standards. In close cooperation with leading material manufacturers and customers, we continuously develop innovative solutions to optimally meet your requirements. From spray guns and pressure tanks to customized systems - at Walther you will always find the right solution for your applications.



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Walther - Experts since 1923

A century of pioneering spirit.



Founded in 1923 by Richard Curt Walther, Walther's fascinating journey through a century of painting technology began. From innovative spray tools in the 1930s to pioneering solutions in the 1940s, the company has left its mark on the industry.

The focus on versatile applications and advanced technologies has accompanied Walther throughout the decades. As early as the 1940s, groundbreaking developments such as mobile pressure tanks and extraction systems were developed that set new standards.

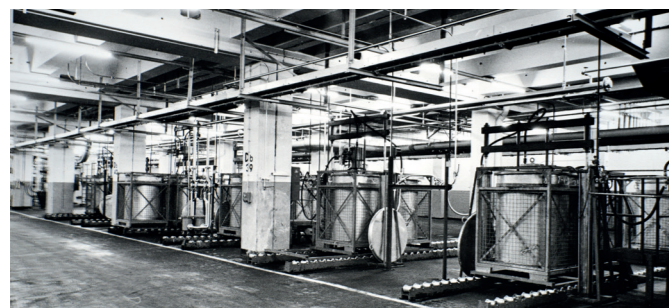


In the decades that followed, Walther steadily expanded its product portfolio. Starting with the introduction of the first automatic spray gun in the 1950s, through the entry into tank construction and the associated opening of the second production site in Neunkirchen-Struthütten in the 1960s, to the entry into adhesive application systems in the 1970s, the company continued to develop.



Despite challenges such as the fire at the Wuppertal site and the reestablishment of the company in the 1980s, Walther succeeded in repositioning itself and entered the field of marking technology.

In the 1990s, Walther introduced the „Small Plant Engineering“ (KLA) division and became a provider of comprehensive system solutions. Through successful expansion, the company developed into an internationally sought-after company.



In the course of the 2000s, strategic decisions were made, such as the takeover by J. Wagner GmbH in 2002 and the focus on niche products. The application of the ATEX directives to numerous products since 2003 also underlines the company's commitment to safety standards.

The last two decades have been characterized by technological innovations such as the introduction of modular marking blocks, infrastructural improvements with the expansion of the Struthütten production site and the modernization of the Wuppertal site, organizational changes due to a change in management and an increased focus on sustainability, including the use of sustainable packaging.



On December 15, 2023, Walther celebrated its 100th anniversary and continues the legacy of an impressive history with a total of 160 employees at both locations.

Visit the company history here:

You can find out more about the history of Walther on our website.



Technical center

Competent advice from experts in all phases of your investment.

Walther has a state-of-the-art technical center for airspray applications at its Wuppertal site, which is used for product development and training purposes. Would you like to use a new material and are looking for the optimum processing device? Or have you already found the right product and would like to get to know it better? Then you have come to the right place! In our technical center, we work closely with you to find the perfect solution for your requirements. During trials, we test your desired materials under all relevant conditions in practice.



Test laboratory Reinhardt-Technik

The research center for release agents.



At the Kierspe site, Reinhardt-Technik GmbH is home to a specialized technical centre that focuses on the processing of release agents. This test room provides a professional environment in which we work closely with you to develop customized solutions for the processing of release agents. We carry out practical trials to ensure the optimal application of your desired release agents under real-life conditions. Rely on our expertise and experience to meet your requirements in an efficient and targeted manner.



Customized Liquid Solutions

Customized solutions for your company.

CLS offers customized system solutions for the smooth supply of materials in your production process, from material preparation to conveying and application through to extraction technology. Our range of services covers various media, including paints, varnishes, adhesives, release agents, oils, foodstuffs and other coating materials. Thanks to our many years of experience and unique manufacturing expertise, we optimize individual components and assemblies specifically for your application and thus contribute to improving the entire workflow. Thanks to our continuous technology development, we are already supporting leading research laboratories and companies in processing the next generation of materials - see for yourself!



Waltherwiki

All our expertise at a glance.

Discover our expertise in the Waltherwiki! Immerse yourself in a world full of valuable information on topics such as the construction of a spray gun, the professional processing of adhesives and much more. Our comprehensive knowledge database is at your disposal.



You can find detailed information here in our Waltherwiki:



Discover Walther Pilot

Product range at a glance.



1030 - Product family

Convince yourself of the versatility of the 1030 series - high-quality spray guns for a wide range of applications. The GM 1030G gravity cup gun is ideal for small-area coatings in the wood, metal or plastics industry. The GM 1030P material connection gun stands for excellent coatings with efficient material consumption. The GA 1020/1030 precision atomizer impresses with its first-class atomization properties and high-quality spray patterns, especially the GA 1020 version with diaphragm seal for use with UV and highly abrasive materials.

Marking solution GA 9010

The GA 9010 automatic spray gun was specially developed for precise small-part painting and sharp-edged markings during coating work. It is ideal for a wide range of ultra-fine spraying work and has an internal control unit for precise regulation of the atomizing air. The high-quality gun body and stainless steel nozzle guarantee long-lasting and reliable performance.



Customized Liquid Solutions

CLS is our division for the comprehensive planning and implementation of system solutions that cover the entire process from material preparation to conveying and application through to extraction technology. We ensure a smooth material supply in your production process by optimally adapting the individual components to your specific application requirements. Our range of services covers a variety of media, including liquid, highly viscous, explosive and shear-sensitive substances such as paints, varnishes, adhesives, release agents, oils, foodstuffs and coatings.



Material tanks

Our material containers offer optimum preparation and pulsation-free conveying of various materials. You can choose from standard containers such as paint mixing containers (FMB), material pressure tanks (MDG) and light pressure tanks (LDG).

Go to our news here!

Whether exciting new products or current events, here on our news page you will find all the important information you need to keep up to date.



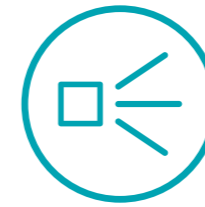
Take a look!

Optimum atomization for a wide range of applications.



Manual spray guns

Our manual spray guns offer a differentiated selection between material connection and gravity cup variants. They are characterized by their versatility, lightness and ergonomic design, making them ideal for various applications. The simple adjustment of parameters enables high-quality results. With the material connection guns, you can achieve flexible application of a wide variety of materials, directly connected to the tank for uninterrupted work. In contrast, our gravity cup guns make it easier to fill and clean the gravity cup and are particularly suitable for small to medium-sized projects.



Application

With our broad portfolio of application devices that use various atomization technologies, we offer you the ideal solution for your requirements. Our spray guns are capable of precisely processing almost all materials and always deliver high-quality results. Thanks to their efficient application efficiency, they maximize the productivity of your processes.



Automatic spray guns

Discover our automatic spray guns, which stand for excellent atomization quality and reliable application efficiency. Ideal for use in flatbed machines and robots, they ensure even coating distribution. Versatile in use, they offer effective solutions for a wide range of applications in industrial coating technology. In addition, our marking and coding guns create sharp-edged dot or line markings in environments with short cycle times. With extremely short switching times (opening, spraying, closing) and their flexibly adaptable, precise control, they enable effortless processing of a variety of materials such as paints, varnishes, adhesives and release agents.

Manual spray guns

With their wide range of applications, our manual spray guns prove to be indispensable tools, especially for situations requiring one-off finishes. These versatile tools excel at a variety of tasks, including touch-up work, precise spraying of small to medium sized surfaces and ornate decorative work. The capabilities of a hand-held spray gun really come into their own when it comes to combining individuality and precision.



Pilot I Pilot II GM 1030 Pilot IIIF Pilot IIIK Pilot Mini

| Version | | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material connection | • | • | • | • | • | • |
| Gravity cup | | | • | • | • | • |
| Atomization | | | | | | |
| Conventional | • | • | • | • | | • |
| HVLP+ (medium pressure) | | | • | • | | • |
| HVLP (low pressure) | | | • | | | |
| ADH (adhesive) | | | • | | • | • |
| Nozzle size [mm] | | | | | | |
| Material connection | | | 0.3 - 3.5 | 0.5 - 3.5 | 1.0 - 2.5 | 0.3 - 2.2 |
| Gravity cup | 0.2 - 1.5 | 0.5 - 3.5 | 1.0 - 2.2 | 0.5 - 3.5 | 1.0 - 2.5 | 0.3 - 2.2 |
| Material connection | | | | | | |
| Material connection | | | 3/8" | 3/8" | 3/8" | 1/4" |
| Gravity cup | 1/4" | 1/4" | M 16x1.5 | 1/4" | 1/4" | 1/4" |
| Atomizer air connection | | | | | | |
| Atomizer air connection | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" |
| Weight [g] | | | | | | |
| Material connection | | | 486 | 584 | 584 | 279 |
| Gravity cup | 350 | 663 | 419 | 779 | 779 | 379 |
| All wetted parts | | | | | | |
| Stainless steel | | | • | | | • |
| Extensions | | | | | | |
| Nozzle extensions | | | • | • | | • |
| Pipe extensions (Ø 8mm) | | | • | | | |



Pilot Trend Pilot XIII Pilot 2K-Bonding Pilot Misch-N Pilot Twin Pilot SIL

| | | | | | | |
|-------------------------|------------|------------|------------------------------|--------------|-----------|----------------------------|
| Material connection | • | • | • | • | • | • |
| Gravity cup | • | • | | | | |
| Atomization | • | • | | • | | • |
| | • | • | | | • | |
| | | • | | | • | |
| | | • | | | | |
| Nozzle size [mm] | 0.5 - 2.5 | 0.8 - 3.5 | 0.3 - 2.5 | 0.5 - 2.5 | 0.2 - 1.5 | 0.5 - 2.0 |
| | 0.5 - 2.5 | 0.8 - 3.5 | | | | |
| Material connection | 1/4" | 3/8" | A: 8x6 mm Ø B: 4x2.5 mm Ø | 3/8" 1/4" | PK 4 | Silicone hose: 4x8 mm Ø |
| | 1/4" | 1/4" | | | | |
| Atomizer air connection | 1/4" | 1/4" | A: 8x6 mm Ø B: 4x2.5 mm Ø | 1/4" | PK 4 | 1/4" |
| | | | | | | |
| Weight [g] | 482 677 | 715 910 | 568 | 848 | 227 | 1322 |
| All wetted parts | | • | • | • | | • |
| Extensions | | | | | • | |

Overview of manual spray guns



Pilot I

Compact decor spray gun that enables a wealth of fine and precise spray work. It delivers a spray pattern that is comparable to the airbrush method.

Pilot II

Decorative spray gun for design painting and fine spray work. Its convenient design in combination with high-precision nozzles enables accurate application of paints, release agents and coatings.



GM 1030

Universal manual spray gun for first-class coating results with high application efficiency and versatile application options. Ideal for paints, release agents, dispersion and solvent-based adhesives and other media.

Pilot IIIF / IIIK

Versatile spray gun model for all common paint and adhesive applications. Thanks to the non-stick surface of the gun body, this model has excellent cleaning properties. The material feed can be changed as required.



Pilot Trend

Spray gun for common painting jobs, with proven air cap technology. Available as a gravity cup version or with material connection, it offers great price-performance ratio.

Pilot XIII

Robust heavy-duty spray gun for paints and aggressive media. With a wide range of configuration options such as gravity cup, material connection, material circulation and a 50 bar version, it can be flexibly adapted to different requirements.



Pilot Mini

Uniquely lightweight manual spray gun made of high-strength plastic for painting small parts as well as touch-up and decorative work. Water-based materials and solvent-based adhesives can be processed without any problems.

Pilot 2K-Bonding

Two-component dispersion adhesive spray gun for precise application of 2-component adhesive using the external mixing method. Mixing ratios of approx. 4:1 to 12:1 can be achieved with precise round wide jet control and various air cap combinations.



Pilot Misch-N

Mirroring spray gun for accurate and efficient application of silver and copper reaction solutions. The needle stroke adjustment ensures an optimum 1:1 mixing ratio. The material components are fed separately and mixed in the spray jet.

Pilot Twin

Compact release agent gun enables precise and efficient coating applications. With high transfer efficiency and numerous adjustment options, it is ideal for the application of release agents and other low-viscosity materials.

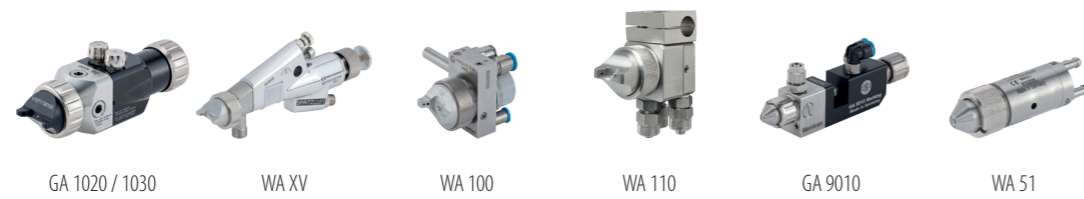


Pilot SIL

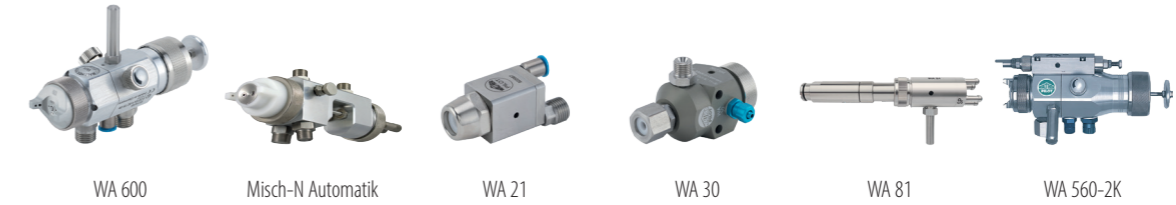
Two/three-component spray gun for coating a variety of substrates such as glass, wood, ceramic and plastic using an external mixing process with fast-curing materials. It is particularly low-maintenance as there is no material needle.

Automatic spray guns

An automatic spray gun is suitable for your mass, series or variety production. You can choose from a wide range of modular spray guns. The spray guns can be perfectly integrated into your system. Above all, automatic spray guns are your guarantee for a reproducible and precise result.



| Version | | | | | | |
|-------------------------|-----------|-----------|---|----------|-------------------|--------------|
| Membran | • | • | | | • | |
| Needle packing | • | • | • | • | • | • |
| Atomization | | | | | | |
| Conventional | • | • | • | • | • | • |
| HVLP+ (medium pressure) | • | • | | | | |
| HVLP (low pressure) | • | • | | | | |
| ADH | • | • | | | | |
| Nozzle size [mm] | | | | | | |
| Nozzle size | 0.3 - 3.5 | 0.5 - 3.5 | 0.3 - 2.2 | 0.3-0.5 | 0.2 - 1.5 | 0.2 - 1.5 |
| Material connection | | | | | | |
| Material connection | 1/4" | 3/8" | PK4x2.5 for hose | Hose 6x4 | for hose 6x4 mm ø | PK 4 |
| Atomizer air connection | | | | | | |
| Atomizer air connection | 1/4" | 1/4" | M5 - PK3 | Hose 6x4 | 2 x M 7 - QS 6 | Schlauch 6x4 |
| Control air | 1/8" | 1/4" | M5 | M5 | 2 x M5 - QS 4 | 4x3 |
| Weight [g] | | | | | | |
| Weight | 629 | 973 | 265 (Stainless steel) / 159 (Aluminium) | 197,5 | 295 | 112 |
| Material wetted parts | | | | | | |
| Stainless steel | • | • | • | • | • | • |
| Mounting | | | | | | |
| Adapter plate | • | | | • | • | |
| Direct mounting | • | • | • | | • | • |
| Control | | | | | | |
| Internal control | • | • | | | • | |
| External control | • | | • | | | • |
| Circulation | • | • | • | | • | |
| Extensions | | | | | | |
| Nozzle extensions | • | • | • | | | |
| Pipe extensions | • | | | | • | |



| | • | • | | | • | • |
|-------------------------|-----------|-----------|-------------|---|----------|--|
| | • | • | | | | |
| | • | | | | | • |
| Nozzle size [mm] | | | | | | |
| Nozzle size | 0.3 - 2.2 | 0.5 - 2.5 | | | 0.5-1.0 | 0.5 - 2.0 |
| Material connection | | | | | | |
| Material connection | 3/8" | 1/4" | M6 - G 1/4" | 1/4" | | A-Component: 3/8" B-Component: 1/8" |
| Atomizer air connection | | | | | | |
| Atomizer air connection | 1/4" | 1/4" | | | Hose 6x4 | 1/4" |
| Control air | | 1/4" | M5 - 6 | 6x4 | 4x3 | 1/4" |
| Weight [g] | | | | | | |
| Weight | 353 | 930 | 181 | 667 (Stainless steel) / 293 (Aluminium) | 144 | 1737 |
| Material wetted parts | | | | | | |
| Stainless steel | • | • | • | • | • | • |
| Mounting | | | | | | |
| Adapter plate | | | | | | |
| Direct mounting | • | • | • | • | • | • |
| Control | | | | | | |
| Internal control | • | • | | | | • |
| External control | | | | | | |
| Circulation | | | • | • | | |
| Extensions | | | | | | |
| Nozzle extensions | • | | | | | |
| Pipe extensions | | | | | | |

Overview of automatic spray guns



GA 1020 / 1030

Universal automatic spray gun for first-class surface results with high application efficiency. Maximum configuration options enable optimum adaptation to any common coating challenge. Ideal for paints, adhesives, release agents as well as UV and highly abrasive materials.

WA XV

Robust heavy-duty automatic gun for efficient processing of paints, aggressive media and adhesives with a high solids content. Optionally available with material circulation.



WA 100

Externally controlled automatic spray guns are suitable for release agents, low-viscosity solvent-based adhesives and paints. They have a material quantity setting on the back and offer options for a rinsing function or circulation process.



WA 110

Most compact automatic spray gun with external control and mounting device for robot use for the application of low-viscosity materials such as mold release agents, oils and fragrances.



GA 9010

Precision atomizer for sharp-edged coatings of paints, inks and adhesives. Available as a packing and membrane version, optionally with adapter plate and rinsing device. Ideal for productions with short cycle times thanks to extremely short switching times.



WA 51

Miniature precision atomizer with external control and optional needle stroke limitation function enables precise control of atomization parameters. Easy adaptation to limited installation space thanks to optimized air and material feed.



Overview of automatic spray guns



WA 600

Compact, internally controlled automatic spray gun for robot applications with precise material quantity regulation. Provides the finest surface finish for release agents, low-viscosity solvent-based adhesives and paints.

Misch-N Automatik

Two-component automatic gun for precise application of silver and copper reaction solutions on glass, wood, ceramics and plastic. The flexible nozzle range from 0.5 mm to 2.5 mm ensures an optimum mixing ratio.



WA 21

Mini airless automatic spray gun for a wide range of airless sprayable media with a maximum material pressure of 120 bar. Numerous commercially available airless nozzles ensure optimum results.



WA 30

Airless automatic spray gun for optimum atomization up to a material pressure of 350 bar. Available in either stainless steel or hard-coated aluminum. Optionally available as a recirculating or valve version up to 100 bar. Compatible with numerous commercially available airless nozzles.



WA 81

Automatic spray gun for perfect internal coating of pipes. A uniform spray jet is generated by a disk nozzle in the internal mixing process. Axial connection arrangement for a smooth drawing process thanks to cylindrical geometries.



WA 560-2k

Automatic spray gun for applying 2-component dispersion adhesives to foam, textiles and other surfaces using the external mixing method (approx. 1:1 to 13:1). No additional control unit required - both components are controlled internally.



Maximum performance without interruption.



Material pressure tanks

Our proven material pressure tanks made of high-quality stainless steel offer pulsation-free conveying and storage of a wide range of materials with high corrosion resistance and a long service life. The solid construction ensures reliable performance in demanding production environments. Our modular containers are flexibly adaptable and enable optimal use through configurable design. Lightweight containers with thin-walled construction are easy to handle, robust and user-friendly thanks to hinged cross-handle closures. Discover the versatility and quality of our material pressure tanks for efficient material processing in your production.



Material preparation

The use of material pressure tanks is ideal when large areas need to be coated or continuous spraying work needs to be carried out. The major advantage is the completely pulsation-free material flow, which leads to optimum spraying results. In addition, with conventional air atomizing spraying and a material supply with material pressure tanks, there is no need to refill the gravity and pressure cups.



Paint mixing tank

Our paint mixing tanks are the ideal solution for mixing and conveying a wide range of materials. With a sloping base and a hinged lid, they not only offer easy handling, but also efficient work processes.



Customized tanks

Our single and double-walled pressure tanks made of steel and stainless steel offer a capacity of up to 2,000 liters. Based on our standard MDG series or manufactured according to your individual requirements, we can integrate additional sleeves, boreholes, sight glasses, heating sleeves and more.

Standard material pressure tank

Using pressure tanks, you can achieve a pulsation-free and unhindered material flow during application. This means you can also process shear-sensitive dispersion adhesives, for example, without any problems.



LDG 5 LDG 10 LDG 20 MDG 1 MDG 2 MDG 3 MDG 4 MDG 8



MDG 12 MDG 22 MDG 24 MDG 45 MDG 60 MDG 90 MDG 120 MDG 250

Version

| | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|
| Stainless steel | • | • | • | • | • | • | • | • |
|-----------------|---|---|---|---|---|---|---|---|

Pressure range

| | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|
| Vacuum*1 | | | | • | • | • | • | • |
| 1.5 bar | | | | | | | | |
| 2 bar | | | | | | | | |
| 3 bar | | | | • | • | • | | |
| 4 bar | | | | | | | • | • |
| 6 bar | • | • | • | • | • | • | • | • |

Agitator

| | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|
| Without agitator | • | • | • | • | • | • | • | • |
| Manual agitator | • | • | • | | | • | • | • |
| Pneumatic agitator | • | • | • | • | • | • | • | • |
| Electric agitator | | • | • | | | | | • |

Outlet

| | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|
| 1 upper outlet | • | • | • | • | • | • | • | • |
| 2 upper outlets | • | • | • | | | | | • |
| 1 lower outlet | • | • | • | • | • | • | • | • |

Regulator

| | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|
| Single regulator*2 | • | • | • | • | • | • | • | • |
| + 2. Regulator*2 | • | • | • | • | • | • | • | • |
| + 2. and 3. Regulator*2 | • | • | • | | | | | |
| Precision pressure regulator*3 | | | | | | | | |

Material outlet

| | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|
| top | 1/4" | 1/4" | 3/8" | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" |
| bottom | 1/2" | 1/2" | 1" | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" |

Capacity [l]

| | | | | | | | | |
|------------------|-----|------|------|------|------|-----|-----|-----|
| Filling quantity | 4.9 | 11.4 | 18.0 | 1.96 | 2.45 | 3.2 | 4.1 | 8.2 |
| Useful capacity | 3.5 | 9.0 | 15.0 | 1.1 | 1.8 | 2.5 | 3.1 | 6.4 |

Diameter [mm]

| | | | | | | | | |
|-----------------------|-----|-----|-----|-----|-----|-----|-------|-----|
| Inner diameter | 183 | 232 | 269 | 125 | 125 | 125 | 162,5 | 213 |
| Outer diameter (max.) | 243 | 291 | 344 | 173 | 173 | 173 | 222 | 290 |

Height (upper / lower outlet) [mm]

| | | | | | | | | |
|--------------------|-----------|-----------|-----------|-----|-----|-----|-----------|-----------|
| Without agitator | 381 / 414 | 445 / 481 | 524 / 604 | 334 | 394 | 454 | 410 / 430 | 424 / 455 |
| Manual agitator | 538 / 568 | 592 / 624 | 681 / 757 | - | - | - | 562 / 582 | 577 / 608 |
| Pneumatic agitator | 388 / 416 | 515 / 547 | 604 / 680 | 338 | 398 | 458 | 413 / 433 | 500 / 531 |
| Electric agitator | - | 659 / 591 | 748 / 824 | - | - | - | - | 644 / 675 |

*1 optional in combination with overpressure

*2 Control range: 0.5 - 8.0 bar - limited to operating pressure

*3 Control range: 0.1 - 4.0 bar

Version

| | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|
| Stainless steel | • | • | • | • | • | • | • | • |
|-----------------|---|---|---|---|---|---|---|---|

Pressure range

| | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|
| Vacuum*1 | | | | | | | | |
| 1.5 bar | | | | | | | | |
| 2 bar | | | | | | | | |
| 3 bar | | | | | | | | |
| 4 bar | | | | | | | | |
| 6 bar | • | • | • | • | • | • | • | • |

Agitator

| | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|
| Without agitator | • | • | • | • | • | • | • | • |
| Manual agitator | • | • | • | | | • | • | • |
| Pneumatic agitator | • | • | • | • | • | • | • | • |
| Electric agitator | | • | • | | | | | • |

Outlet

| | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|
| 1 upper outlet | • | • | • | • | • | • | • | • |
| 2 upper outlets | • | • | • | | | | | • |
| 1 lower outlet | • | • | • | • | • | • | • | • |

Regulator

| | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|
| Single regulator*2 | • | • | • | • | • | • | • | • |
| + 2. Regulator*2 | • | • | • | • | • | • | • | • |
| + 2. and 3. Regulator*2 | • | • | • | | | | | |
| Precision pressure regulator*3 | | | | | | | | |

Material outlet

| | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|
| top | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| bottom | 1" | 1" | 1" | 1" | 1" | 1" | 1" | 1" |

Capacity [l]

| | | | | | | | | |
|------------------|------|------|------|------|------|-----|-----|-----|
| Filling quantity | 14 | 22.3 | 25.8 | 48 | 63.6 | 107 | 138 | 251 |
| Useful capacity | 11.8 | 19.5 | 23.5 | 42.8 | 58.6 | 90 | 120 | 248 |

Diameter [mm]

| | | | | | | | | |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Inner diameter | 244 | 270 | 244 | 362 | 362 | 442 | 442 | 692 |
| Outer diameter (max.) | 320 | 356 | 320 | 438 | 438 | 456 | 456 | 706 |

Height (upper / lower outlet) [mm]

| | | | | | | | | |
|--------------------|-----------|-----------|-------------|-----------|-------------|------|------|------|
| Without agitator | 536 / 586 | 620 / 694 | 787 / 837 | 751 / 781 | 903 / 933 | 1064 | 1263 | 1152 |
| Manual agitator | 686 / 736 | 769 / 843 | 936 / 986 | 901 / 931 | 1053 / 1083 | 1213 | 1413 | 1304 |
| Pneumatic agitator | 608 / 658 | 692 / 766 | 858 / 908 | 824 / 854 | 974 / 1004 | 1134 | 1336 | 1227 |
| Electric agitator | 752 / 802 | 835 / 910 | 1004 / 1054 | 963 / 998 | 1120 / 1150 | 1280 | 1480 | 1371 |

Modular material pressure tanks

The modular material pressure tanks version small plant construction (KLA) are suitable for conveying material from tanks to the guns. They convey material to the gun without pulsation.



| Version | MDG 1 Modular | MDG 3 Modular | MDG 8 Modular | MDG 22 Modular | MDG 45 Modular |
|------------------------------|---------------|---------------|---------------|----------------|----------------|
| Stainless steel | • | • | • | • | • |
| Pressure range | | | | | |
| 1.5 bar | | | | | |
| 2 bar | | | | | |
| 3 bar | • | • | | | |
| 4 bar | | | • | | |
| 6 bar | | | | • | • |
| Agitator | | | | | |
| Without agitator | • | • | • | • | • |
| Manual agitator | | | • | • | • |
| Pneumatic agitator | • | | • | • | • |
| Electric agitator | | | • | • | • |
| Outlet | | | | | |
| 1 upper outlet | • | • | • | • | • |
| 2 upper outlets | | | | • | • |
| 1 lower outlet | • | | • | • | • |
| Regulator | | | | | |
| Without regulator | • | • | • | • | • |
| Precision pressure regulator | • | • | • | • | • |
| + 2. Regulator | | | • | • | • |
| +2. and 3. Regulator | | | • | • | • |



Paint mixing tank

The Walther material tanks are ideally suited for processing, evacuating, tempering and pulsation-free conveying of a wide variety of materials.

| | FMB 35 | FMB 60 | FMB 125 | FMB 250 | FMB 350 | FMB 500 | FMB 800 | FMB 1000 | FMB 1200 |
|-------------------------------|--------|--------|---------|---------|---------|---------|---------|----------|----------|
| Version | | | | | | | | | |
| Stainless steel | • | • | • | • | • | • | • | • | • |
| Agitator | | | | | | | | | |
| Without Agitator | • | • | • | • | • | • | | • | |
| Pneumatic agitator | • | • | | | | | | | |
| Electric agitator | • | • | • | • | • | • | • | • | • |
| Outlet | | | | | | | | | |
| 1 lower outlet | 3/4" | 3/4" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" |
| Capacity [l] | | | | | | | | | |
| Filling quantity | 35 | 60 | 125 | 250 | 350 | 500 | 800 | 1000 | 1200 |
| Diameter [mm] | | | | | | | | | |
| Outer diameter | 420 | 520 | 586 | 786 | 886 | 1036 | 1136 | 1036 | 1136 |
| Height [mm] | | | | | | | | | |
| Total height without agitator | 334 | 600 | 1050 | 1050 | 1050 | 1050 | 1250 | 1800 | 1800 |

Customized tanks

Range of services and solutions at a glance.

Customized solutions for individual requirements

With our commitment to the highest level of customer satisfaction, we also offer a comprehensive range of customized solutions in the field of tank construction in addition to our standard material pressure tanks. These special solutions are designed to meet specific requirements and needs to ensure optimum performance in your applications.



Integrated technologies

The tanks can be equipped with a variety of technologies, including measurement and control technology for monitoring parameters such as pressure, temperature and fill level. This enables precise control of the process and ensures consistent quality.



Wide range of customization options

Our customized tanks offer a high number of customization options to enable perfect integration into production processes and production lines. This can include, e.g. the size, capacity and shape of the tank. In this way, space requirements can be optimized and efficiency increased.



Consideration of special requirements

From the resistance of aggressive materials to extreme temperatures and pressures - we take on every special requirement and develop solutions to meet them. The choice of materials, including special coatings, plays a decisive role here.



Flexibility and reliability

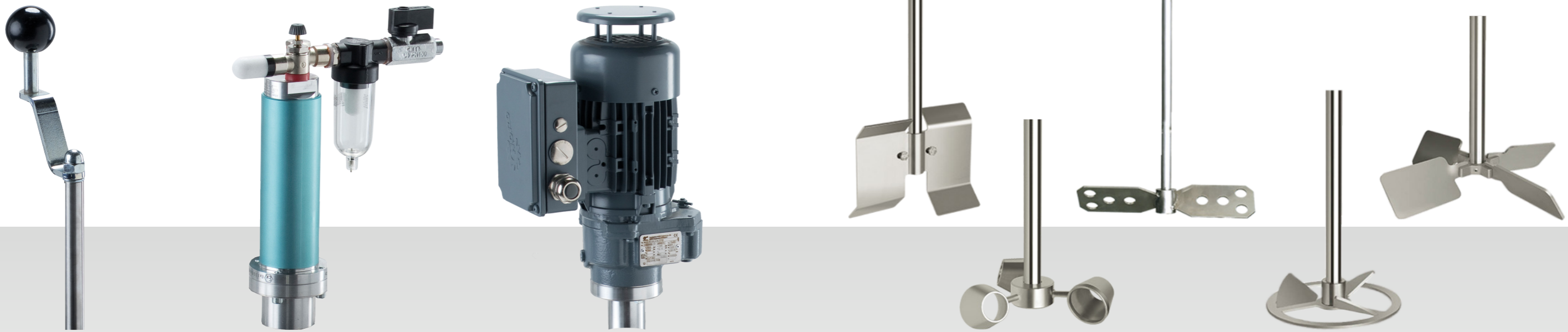
With mounting options such as wall brackets, pedestals or mobile chassis, we offer maximum flexibility. Our tanks are designed for durability and reliability to meet even the most demanding requirements.

Effective mixing for ideal preparation.



Material preparation

Discover our agitators and impellers for the efficient mixing of liquids in our material pressure vessels. Our versatile agitating tools enable precise mixing and ensure optimum spraying results for a wide range of materials - essential for demanding applications where consistent quality is essential.



Agitators

Our agitators for material pressure tanks, available in manual agitator, pneumatic agitator and electric agitator versions, offer a customized solution for the thorough mixing of liquids, regardless of their viscosity. The versatility of these agitators ensures efficient processing of a wide range of materials.

Impellers

The impellers for our material pressure tanks ensure efficient mixing of liquids, matched to the specific agitator. Thanks to their precision, they enable optimum spraying results and are particularly suitable for abrasive media. Indispensable components for demanding applications that rely on consistent quality.

Overview of agitators

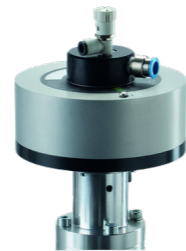


Electric agitator

- is used for processing highly viscous materials
- Low wear and low-energy operation possible
- Suitable for continuous operation
- A higher torque is achieved

Pneumatic agitator with piston motor

- For stirring up materials
- Limited suitability for continuous operation
- Low energy consumption and wear
- A high torque is achieved



Pneumatic gear agitator with vane motor

- for stirring up materials
- Various sizes on request
- Motor with built-in gearbox to achieve a higher torque
- also available as version with oil nebulizer

Adjustable agitator

- Suitable for hobscocks and small tanks
- Available with additional stand (swivel and rotatable)



Electric agitator with magnetic coupling

- Hermetic seal between the inside of the tank and the environment
- Torque is transmitted by magnet-equipped internal and external motors

Manual agitator

- Possible applications depending on the medium
- Manual operation
- for materials that don't need to be in constant motion



Overview of impellers



Blade impeller

- for liquids with low to medium viscosity
- Gentle at low speed
- Choice of different sizes, depending on tank sizes and speeds

Cup impeller

- for materials that settle quickly
- uncomplicated and easy cleaning
- cost-effective due to shorter mixing process and lower motor power requirement



Inclined blade impeller

- for mixing liquids
- Choice of different sizes, depending on container size
- optional for tanks from 45 liters

Folding impeller

- is excellently suited for small tank openings and as a painting accessory
- Good axial mixing
- Self-opening due to centrifugal forces and foldable



Customized impeller

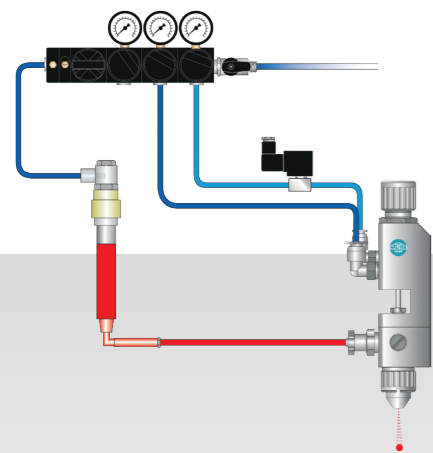
- Customized special designs
- high power input
- turbulent mixing and a higher conveying capacity

Customized material and application systems



Customized Liquid Solutions

Tailor-made to your specific requirements are our specialty. Our dedicated team at WALTHER CLS is at your side to realize your vision and help you develop tailor-made solutions that meet your requirements and exceed your expectations. From planning and design to installation and maintenance, we are your reliable partner for customized material and application systems.



Marking systems

Marking and signing systems play a decisive role in the industrial marking of products and materials. These systems make it possible to permanently apply relevant information to various surfaces. Thanks to their high speed, accuracy and reliability, they help to improve efficiency and traceability in production processes and optimize quality assurance.



Adhesive systems

Adhesive systems play a central role in numerous industrial sectors, from the automotive to the packaging industry. These systems enable the precise application of adhesives to various materials. Thanks to controlled dosing, high precision and reliability, adhesive systems not only help to improve product quality, but also to optimize production processes and reduce overall costs.



Release agent application system

Release agent application systems play an important role in industries such as the mold making, foundry and plastics industries. They enable release agents to be applied precisely to molds, tools or surfaces to ensure easy demolding and smooth production processing.



Distillation devices

Distillation units are devices used in various industries to separate or purify liquids by distillation. Distillation is a process in which liquids are vaporized by heating and then liquefied again by condensation in order to remove unwanted components or concentrate substances.



Mixing stations

Our innovative mixing stations are the perfect solution for precise and efficient mixing in industrial plants. With state-of-the-art technology and user-friendly features, they offer a wide range of applications, from homogeneous mixing of solutions to accelerating chemical reactions. Rely on our mixing stations to take your research and production to the next level. Efficient, reliable and powerful.
















Liquid Racks


With various sizes and configurations, our liquid racks can be flexibly adapted to your requirements, whether in industry, laboratories or other working environments. They not only offer safety and protection, but also convenience and efficiency when handling and storing liquids. Our products meet the highest quality standards and give you the peace of mind that your working environment is safe and compliant.

Customized Liquid Solutions

From material preparation, conveying and application to extraction technology, we offer customized system solutions for a smooth material supply in your production process. Our aim is to optimally match the individual components to your application, be it for liquid, highly viscous, explosive or shear-sensitive media such as paints, varnishes, adhesives, release agents, oils, foodstuffs and coatings. With our many years of experience and unique manufacturing expertise, we are able to optimize individual components and assemblies to meet your specific requirements and thus improve the entire workflow.

| | | | | |
|----------------------|------------------------|--|---|--|
| Material preparation | Provision | <p>Paint mixing tanks FMB 35 - 3000</p>  | <p>System racks Liquid racks</p>  | <p>Cover lifter</p>  |
| | Preparation | <p>Agitators Manual agitators Pneumatic agitators Electric Agitators</p>  | <p>Impellers Grid blade impeller Blade impeller Cup impeller Inclined blade impeller Folding impeller</p>  | <p>Material heater</p>  |
| Material handling | Pumps & pressure tanks | <p>Material pressure tanks MDG 1 - MDG 500 LDG 5 - LDG 20</p>  | <p>Pumps EvoMotion 5-60 WildCat 10-70 TOPFINISH DD10 ZIP S2 Unica</p>  | |
| | Control & dosing units | <p>Individual controls Switch cabinets Two-hand controls One-hand controls Dosing, variable Mixing ratios</p>  | <p>Valve seals</p>  | |

| | | |
|-------------|-------------|---|
| Atomization | Application | <p>Spray guns Liquid Adhesive Release agent Signing and marking Precision spraying electrostatics</p>  |
| | Extraction | <p>Spray walls</p>  <p>Spray booths</p>  <p>Wet separations</p>  |



Effective extraction solutions for safe cleanliness.



Extraction systems

Occupational health and safety is particularly important when setting up or redesigning workstations. The broad portfolio of extraction systems with dry filters from Walther Pilot already covers the majority of these requirements with its standard products.



Spray booths

Our small and full-size spray booths offer optimum solutions for painting small to medium-sized workpieces. Whether placed on the turnstile, the work table or customer-side fixtures - our spray booths guarantee clean painting processes.



Spray walls

For medium to large workpieces, our extraction wall type 900 and extraction wall type 90 are ideal for a robust, industry-standard extraction wall. Efficient solutions that keep your working environment clean and productive.



Extraction tables

The type 25 extraction table is ideal for long components such as strips and other workpieces that can be placed manually on the large suction surface.



Customized extraction solutions

Our range of services also includes customized extraction solutions, which we manufacture to your exact requirements. We also offer customization in terms of size and equipment, including options such as heat recovery.

Overview of extraction systems



Small spray booth type 77

Spray stand for small workpieces, which are placed on the turnstile or held in the hand during painting. The components are quickly assembled and are therefore easily accessible. The exhaust air duct can be fitted on the left or right as required.

Small spray booth type 700 / 820

Spray booth for small and medium-sized workpieces, which are placed on the work table, the optional turnstile or customer-side fixtures.

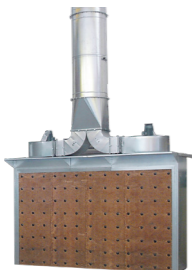


Spray booth type 80

Spray booth for medium-sized workpieces, which are placed on the work table, the optional turnstile or customer-side fixtures. This spraying stand is used for practically all spraying work for the corresponding part sizes.

Spray wall type 900

Suitable for medium to large workpieces that can be placed in front of the extraction surface. This series is characterized by its high modularity. There are 4 working widths available.



Spray wall type 90 W

A modern modular system makes it possible to combine the 1 m and 1.5 m wide basic elements with roof sections into any working width.

Spraywall type 90 WS

With a spray wall from this series, you get a system that meets the optimum operating requirements. The modern modular system allows the basic elements to be combined to create any working width.



Spray wall type 90 K

Extraction wall with fixed front section 1000 or 2000 mm deep, depending on size, to separate the painting workstation from other production areas (front section optionally with entry slot for crane loading)

Overview of extraction systems



Mobile extraction wall type Ultra

Small extraction unit with multi-layer filter mats for occasional use, e.g. spot repair

Wet spray booth type 5658

Suction stand for small and medium-sized workpieces that are coated horizontally or suspended on the turnstile.



Spray booth type 6022

Spray wall for long, bulky parts and for workpieces that are placed in front of the extraction surface, e.g. with an overhead conveyor.

Extraction table type 25

Suction table, e.g. for long components (e.g. strips) or workpieces that can be placed manually on the suction surface. The spray table is suitable for a wide variety of gluing work and sprayed objects.



Extraction table type 2000

The basic elements of the 2000 series can be combined to form spraying tables in application-specific working widths. Filter changes can be carried out particularly quickly thanks to the folding support frame.

TWIN 2200 paint sludge discharge unit

Stainless steel paint sludge discharge unit with pneumatic slide valve for floating media and explosion-proof, self-priming pump.

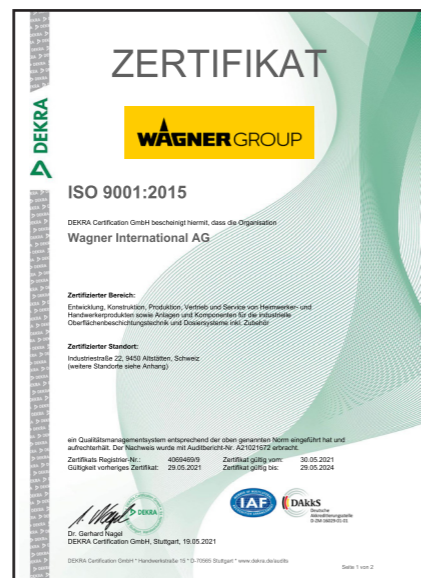
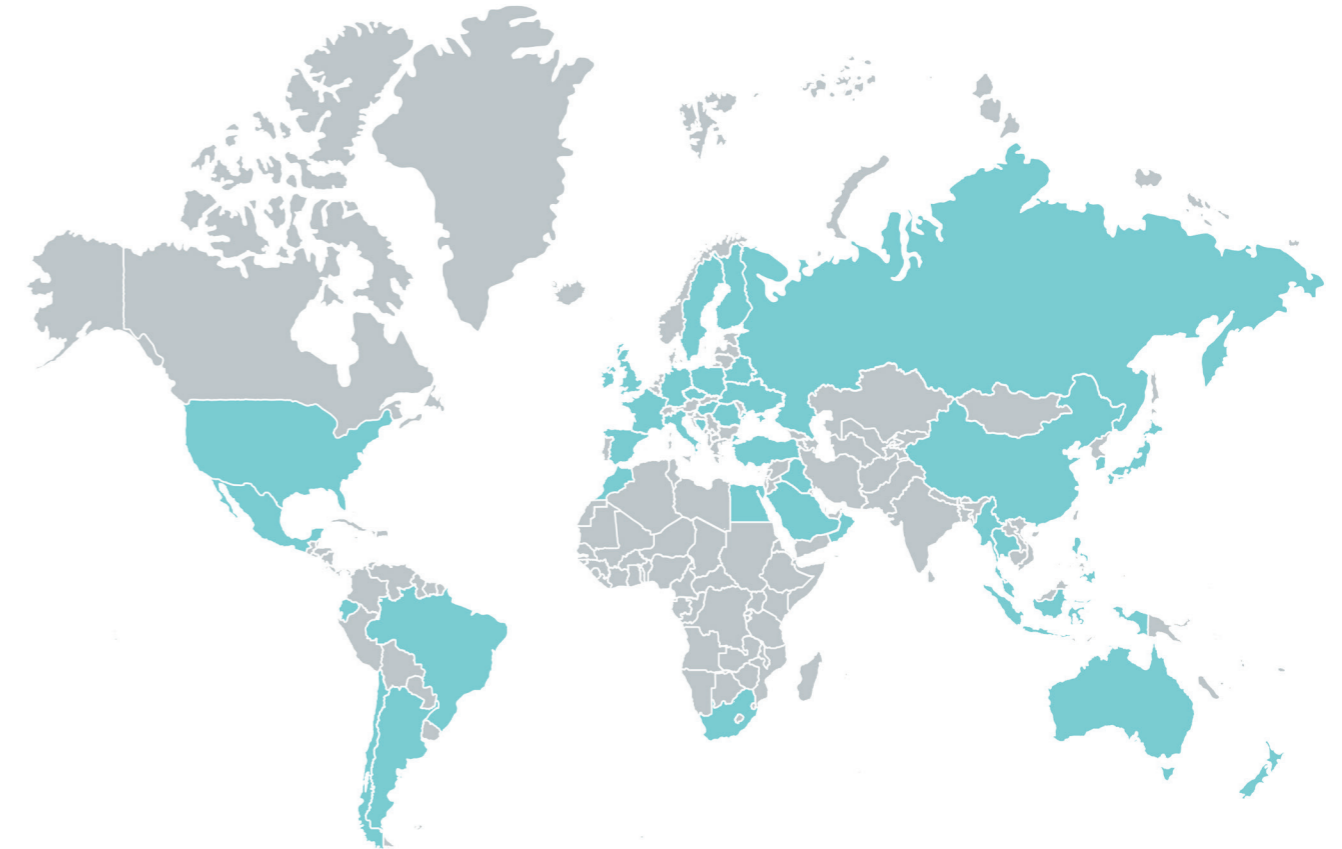


Customized extraction solutions

Our range of services also includes customized extraction solutions, which we manufacture exactly to your requirements. You can customize both the size and the equipment, including options such as heat recovery.

Certified according to all relevant international standards

Worldwide service and consulting locations



Experimental laboratory



Technology center



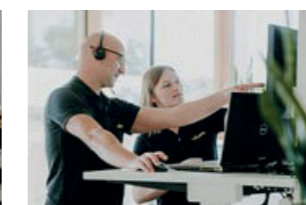
Service on site

Current certifications

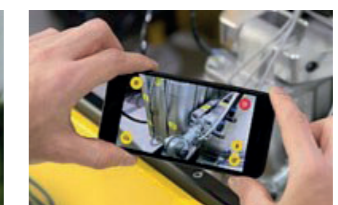
- ✓ US ASME Code
- ✓ ATEX Directive 2014/34/EU
- ✓ ML certificate
- ✓ ISO 9001:2015
- ✓ Pressure Equipment Directive 2014/68/EU



Repair and maintenance



Technical support



Remote service



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