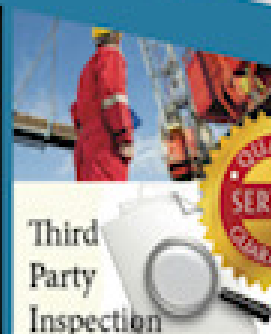
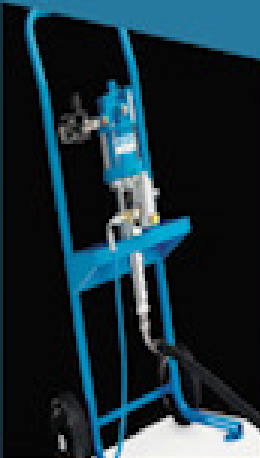


WIVA®

because it works

ALIPER TRADE
we support





Message from the Director General

- It is our pleasure to introduce our company through this profile. The following pages summarize our Product
- Established in the Arab Republic of Egypt, CALIPER TRADE operates as a leader in general trading, engineering inspection services and in various fields from being a trend setter in the quality of work and existing employees. Despite the difficult times in our journey, we believe that we have successfully reached a stage of self-confidence. Respect and dignity. Our pride is built on highly qualified staff, solid financial standards, the trust given to us by our customers, people and our beloved country, and, above all, our high team spirit is looking to achieve the same goals and dreams in our company. Or technicians and workers, we all work to build a strong, peaceful and prosperous future
- Signature of the Director General

Ahmed Ibrahim



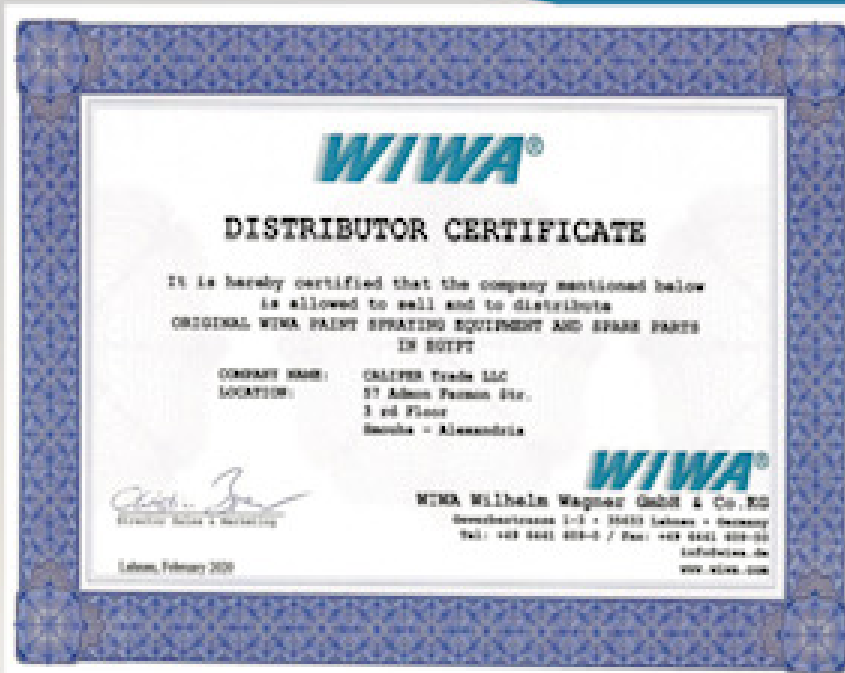
because it works

Quality policy and objectives

- CALIPER TRADE is committed to the following:
- Provide customers with high quality facilities and services commensurate with their purpose and meet the requirements of customers.
- Operating all required systems according to ISO 9001 specifications
- Enhance the skills of managers and employees through training and auditing, which aims to improve performance in a more effective way
- Promote the culture of continuous improvement of the quality
- Management system with the philosophy of delivering high quality products from the first time
- Monitor all supply and installation processes for all projects
- Strengthen the quality management system and ensure its
- Implementation through internal audits and take all corrective and preventive measures
- Everyone is responsible for quality management within Caliper to maintain high levels of customer satisfaction
- Signature of Quality Manager

Range of equipment

- Heavy – duty corrosion protection
- Polyurea
- PU foam systems
- Passive fire protection
- Dual-component coating units and application technology
- Transfer pumps
- High pressure pumps
- Airless paint spraying units
- Airless painting systems
- Spray technology
- Paint spraying units
- Concrete refurbishment
- Corrosion protection, steel,
- constructional steelwork



■ Introduction (CALIPER TRADE)

- Caliper Trade. Is specialized The Main Distributor in Egypt WIWA Wilhelm Wagner GmbH & Co. KG with many years' experience.
- WIWA is one of the world's leading developers and manufacturers in the areas of 1K and 2K airless spray-painting units, fluid handling, material extrusion and injection systems.
- Caliper Trade. Having been conducting international trade activities for more than years, our management team has accumulated rich experience in WIWA .We always carry out the principle of "Customer First, Quality First &Service First". We have attained a very high reputation among customers in many overseas markets. We offer warranty on all products. Our technical staff members are at your service. Should there be any problems, we will deal with it immediately. And we have a proven track record of resolving 99.9% of customers' problems. You will surely be satisfied with our products and service.



■ The Company WIWA

- Reliability and precision for more than 60 years: WIWA Wilhelm Wagner GmbH & Co. KG, founded in 1950, is one of the world's leading developers and manufacturers in the areas of 1K and 2K airless spray-painting units, fluid handling, material extrusion and injection systems.
- The spectrum of applications for WIWA devices and equipment ranges from painting, coating and gluing in the machine-construction and automotive industries to large-surface and thick-layer coating in the marine and offshore industries, in building technology, corrosion proofing and passive fire protection.

- WIWA manufactures devices and equipment for the most diverse array of customer specifications under the highest of quality standards at the location where the company was founded in Lahnau, Germany.
- WIWA technology has a proven track record in the fields of decorative and protective surface coating in addition to applications in surface sealing in tunnel and canal construction as well as in the processing of high-viscosity, pasty 2K and 3K materials for use on steel and concrete.
- This family-owned company develops and produces its products with more than 135 qualified employees in Germany. Sales are carried out through company-owned branches in the U.S., China and the Middle East as well as through highly-competent distributors in all parts of the world. In close cooperation with this team of international experts, WIWA engineers and implements industry-leading customized solutions.

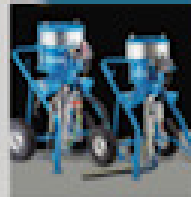




Business Units

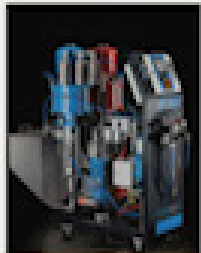
Business units

- Spray technology
- Fluid handling
- Material extrusion
- Injection

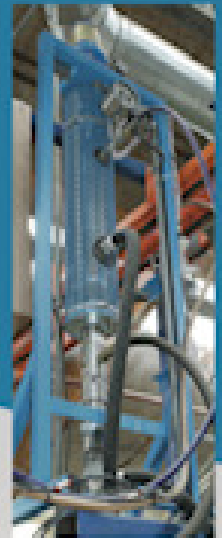
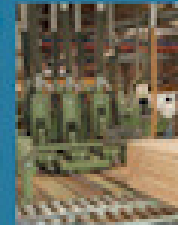
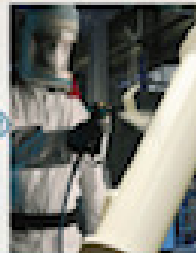


Innovative coating systems

equipment or paint spraying equipment for a vast variety of requirements in decorative and protective surface treatment, suitable for various application techniques such as Airless spraying, Air Combi spray painting and hot spraying. We thereby set standards because our engineers and technicians always focus on the best possible utilization efficiency when designing usiness.



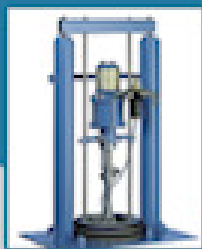
WIWA®
because it works



Transfer pumps for almost all fields of application

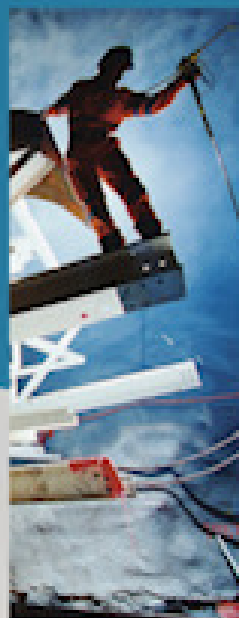
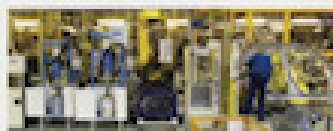
With their wide range of use WIWA fluid handling pumps are most suitable for the gentle pumping of low to high viscosity materials. WIWA low pressure pumps are employed e.g. in paint supply systems, paint circulation systems and filling stations in industry and craft trade, as well as in conventional spray painting systems, whereby the extensive range of pumps with different performance data and designs is first choice for almost all types of application.

Fully automatic wood glue application in a window factory in Holland

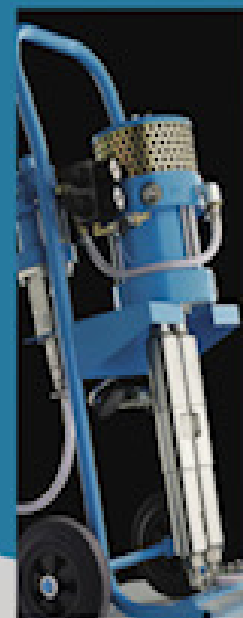


Extrusion pumps

Extrusion or plunger pumps are needed for highly viscous and pasty materials, which cannot be pumped with self-priming transfer pumps. The WIWA product range of plunger pumps covers six performance classes with a total of 22 standard pumps with different capacities and pressure transmission ratios and is therefore one of the worldwide most extensive product ranges. WIWA VULKAN pumps are most suitable for the pumping and processing of resins, insulation and sealing materials, highly viscous greases and lubricants, reactive adhesives, high-density stock as well as pasty printing inks. VULKAN pumps can be used as feed pumps for automatic dosing systems as well as for the manual application of pasty materials. Since the market for bonding and sealing technology is in continuous further development, we are always ready to develop special customized solutions.



At work in the Gotthard Tunnel



WIWA 2K-INJECT 25015

For large area sealing applications

Today area sealing of earth contacting building elements is one of the most demanding tasks in building and sanitation work. New methods and new sealing materials are developed for use in practice, which obviously also calls for sophisticated equipment solutions. Besides the well established single component devices for low viscosity epoxy or polyurethane resins, we also offer WIWA plural component injection systems for the application of plural component sealing materials in high quantities. Main applications are area sealing work for earth contacting building elements in tunnel and canal construction and the reinforcement of soil in many other areas.



Range Of Applications

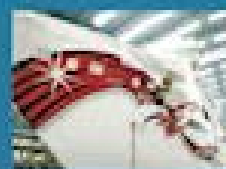
Industry and Craft Trade

- WIWA paint spraying equipment is used in almost all fields of application in craft trade and industry day by day.
- Due to their wide range of capacity and the vast variety of possible equipment variants this equipment is most suitable for most application methods and materials, especially for the application of water varnishes.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion



WIWA®

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Marine and Offshore

- Since more than 50 years we supply national and international shipyards with innovative coating systems which are specially optimized for corrosion protection in shipbuilding and the offshore industry.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.

Pipes and Pipelines

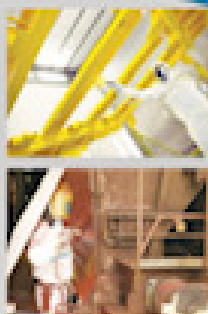
- The central question concerning the economy of pipe and pipeline coating not only is the cost effective application method, but also the longevity of such a measure. Our systems of the DUOMIX range are ideal for use in application systems for fully automatic and simultaneous application of coating materials to the inside and outside surfaces of pipes and pipelines. Many large-scale projects accompanied by us impressively demonstrate that we are one of the leading equipment manufacturers when it comes to the initial coating and sanitation of pipes and pipelines.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.





Mechanical Engineering & Vehicle Construction

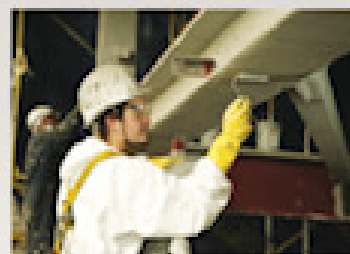
- Traditional mechanical engineering companies, like Trumpf in Austria and Kinkele in Germany, who are suppliers for Mercedes, Siemens and Heidelberger Druckmaschinen, have worked with WIWA application technology for many years. In vehicle construction we offer efficient equipment solutions for rail vehicles, construction site and commercial vehicles, but also for large series production of passenger cars. As with mechanical engineering, the focal point is the spray painting section with its different methods and materials. However, for the bonding technology in carbody work and e.g. the fluid handling in wagon construction we can also offer innovative solutions for our customers.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.



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Building and Fire Protection

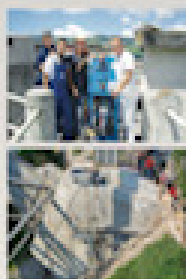
- The individual requirements with respect to building and fire protection are increasing all over the world. For this reason WIWA developed and optimized a powerful dual component application system for intumescent flame protection agents, in close cooperation with leading material manufacturers.
- Large area sealing work for earth contacting construction elements is also a highly sophisticated task in building protection. For this purpose we offer a new dual component Inject system, alongside the proven single component systems.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.





■ Building Renovation

- Each job in renovation of buildings and structural core is a new challenge. For this purpose we provide an extensive range of equipment for easy realization of customer specific special and complete solutions. Our WIWA single and dual component systems of the INJECT range are especially used for area sealing of earth contacting construction parts by injecting acrylate gels.
- In close cooperation with special companies from the building renovation trade we have accompanied a lot of very interesting projects. As an example, the WIWA POWERPACK XXL 2K is successfully used for the renovation of flat and industrial roofs in the USA. The material (Garna-Flex) required for coating has a mixing ratio of 8:1 and is based on polyurethane. In a large bridge renovation project in Canada we were able to convince the contracting company with our WIWA DUOMIX 230.

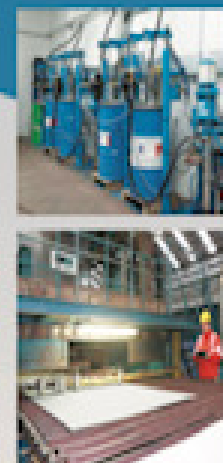


The WIWA system was used to apply a special dual component material to protect the surfaces of the bridge anchors

- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.

■ Spray Painting Lines

Short transit times and high productivity are the most important requirements on a spray painting line. With their extensive accessory range WIWA systems can be optimally integrated into many systems, thereby providing the basis for highly efficient spray painting and coating installations. Especially in cases where coating material needs to be precisely mixed and frequently changed, our innovative technology is used by many customers.



- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.



■ Gluing

- More and more automobile manufacturers use the advantages of gluing technology to connect carbody parts. In the Suzuki plant in Hungary heavy-duty adhesives are transferred by means of a WIWA Vulkan plunger pump, which delivers the adhesive to a dosing device on the robot arm.
- However, the traditional application for adhesives is the gluing of wooden components. Also here state-of-the-art manufacturing and bonding methods enable an almost infinite number of possible applications. A WIWA DUOMIX low pressure application system can e.g. be used for uniform material transfer for precise and neat bonding of wooden surfaces in series production.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.



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■ Manufacture of Musical Instruments

- Whether classical transparent epoxy-resin based varnish coating on brass instruments, or a piano finish applied in 13 worksteps: first-class materials and their accurate application are in any case the prerequisite for an optimal sound. The high quality surfaces give the instruments a very sensual appearance and form the basis for long lasting stability in value.



The traditional German "Klaviermanufaktur Stengel & Söhne" and the world-famous drum kit manufacturer Sonor use the WIWA application technology.

- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.

■ Foundries

- The quality of a mould plays a decisive roll in the later production of cast aluminium components. The technology most frequently used for this purpose is the sand casting method using furan resin. In order to avoid a rough sand surface structure of the aluminium parts, the sand mould is sprayed with a special alcohol sizing using a low pressure pump. Filling the pores considerably improved the surfaces of the aluminium castings. A pneumatic agitator is integrated in the material container to prevent the solids in the emulsion from settling.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.





Structural Engineering

- Steel as a very versatile construction material is quite commonly used in many areas of the economy and very often exposed to weather related and mechanical influences. For this reason corrosion protection is a central topic for many metal processing companies. Due to the high material volumes used in this field of construction efficiency of the application technology used is of utmost importance. For the application of single and dual component materials in various mixing ratios WIWA offers a wide range of equipment, also for these tasks.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.



WIWA®
because it works

Furniture Manufacture

- Whether exclusive interiors for noble yachts, or high-quality shop furnishing - the warm and emotional radiation of the natural material wood gives each piece of furnishing its own character. With sound craft trade performances and state-of-the-art production techniques many wood processing companies win very particular customers. Noble high-gloss surfaces or coloured wood create a special atmosphere and upgrade each craft made or industrially manufactured piece of furniture. We deliver application units with various performance data and equipment possibilities for all commonly used single and dual component materials, especially for the treatment of wooden surfaces.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.





Container Construction

- Containers are used for 2/3 of the worldwide transboundary goods traffic. In 2005 alone 20 million containers were en route during 200 million voyages. Here the containers are exposed to extreme influences and loads, which must already be accounted for in the manufacture and during possible repairs. Corrosion protection is thereby at the forefront, because containers travel 75% of their transport distances by ship and at sea they are permanently exposed to aggressive salt water. Many companies in the container industry therefore use a WIWA FLEXIMIX I, equipped with various supply pumps, material flow heaters and flushing pumps, as the heart of their spray painting system.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.



WIWA®
because it works

Wind Turbine Generators

- When it comes to reliable corrosion protection for load bearing structures of offshore wind turbine generators, we continuously optimize our solutions and designs in close cooperation with material manufacturers. Being a partner of many system suppliers and plant engineering companies, we always focus on innovation, also in this case. Besides equipment for corrosion protection, which is used for coating the steel towers, we also deliver state-of-the-art pump technology for pumping various epoxy resins and adhesives, which are used for e.g. the manufacture of rotor blades in sandwich construction.
- Should you have any further questions concerning the use of our equipment or systems, we will be glad to answer these by e-mail or in a personal discussion.





Civil Engineering

- The WIWA series 410.09 and 600.12 is perfectly suitable for the application of epoxy and water based thick-film materials and mortars, such as cement mortar, cement-bound fire protection materials, cement slurry and filled vinyl esters. In contrast to screw pumps, WIWA thick-film pumps can be flushed and cleaned with diluting agents. The pump is therefore also first choice when it comes to the transfer of epoxy based materials. Due to the use of quick release couplings the material pumps, which consist of only a few parts, can be quickly disassembled, cleaned and reassembled, which is highly beneficial with short processing times, which are quite common today. The feed funnel can also be simply removed. With this quick maintenance the downtimes, especially in construction site applications, can be reduced considerably. These large capacity pumps are designed with extra-large flow passages, and due to the slow pumping speed only suffer very low wear, even when transferring high amounts of material.



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because it works

High Pressure Cleaning

- Whether you need to clean or pre-treat small surfaces or large areas, or need to work with one or two lances at the same time, the WIWA HIGH PRESSURE CLEANER covers a wide range of applications. Its optimal field of use is not just limited to corrosion protection, but it also includes the oil and gas industry, food industry, shipping, building and roof sanitation as well as the cleaning of buildings.
- 
- With the combination of high pressure and finest atomization as well as appropriate additives not only rust, but also greases, oils and resins can be removed most effectively. Difficult to access areas, such as profiles, angular structures as well as pipes of most different diameters can now be easily cleaned with the WIWA HIGH PRESSURE CLEANER equipped with the unique swivel nozzle.
 - The benefits are quite obvious: The frequently increased material costs associated with corrosion protection, which are caused by the spraying material being polluted by rust particles falling down while preparing the area by means of shot blasting, can be considerably reduced by using the WIWA HIGH PRESSURE CLEANER, because the preceding cleaning enables the multiple use of the blasting material.
 - The handy and mobile WIWA HIGH PRESSURE CLEANER also convinces on the high seas. With its low weight and easy handling the WIWA HIGH PRESSURE CLEANER eases cleaning and repair work on and under deck. Since the WIWA HIGH PRESSURE CLEANER in all its equipment stages obviously is fully explosion protected, it can also be used in the offshore industry.

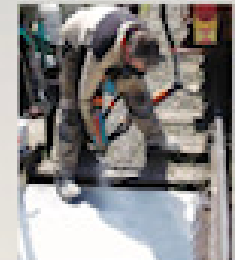
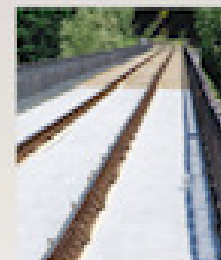
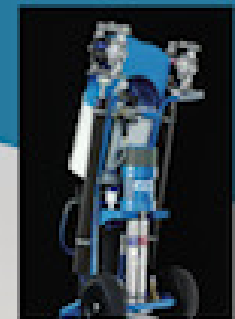
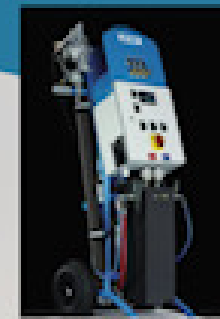
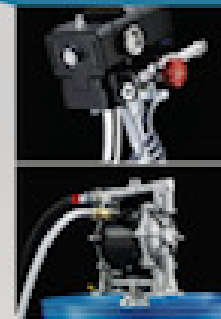


■ Areas of application for PUR foam:

- Thermal insulation of buildings, tanks, containers and other objects
- Flat roof coating and refurbishment
- Wall coating from inside and outside

■ Flat roof refurbishment

- Using modern polyurea or polyurethane coatings, it is possible to refurbish flat roofs in particular relatively quickly and on a favourably priced basis compared to other methods. PU foams are also often used for insulation. The material holds on every roof shape and is permanently elastic. This makes it possible to refurbish the roofs of residential properties, industrial and storage facilities, bio gas systems, stables and many, many more. Polyurea and polyurethane are 100% waterproof but breathable, which means that they allow steam to permeate. The roof or the roof surface are protected in an optimum way from the effects of the weather. Heat and cold bridges are avoided.





■ PFP

WIWA dual-component coating systems for flameproofing material

- In close cooperation with leading paint manufacturers, WIWA have further-developed and optimized their tried and tested, powerful dual- and three-component application systems for fire protection. Using the DUOMIX 333 PFP's powerful extrusion pumps, it is possible to easily pump heavy fire protection materials with a high solid content to the pressure vessels. The high application performance makes it possible to apply thick layers at a maximum surface application rate of up to 500 m² per day. This is an important contribution to reducing wage costs.



Product





- Depending on the job in hand, we can supply nozzles of different sizes and with different spray angles for our specially developed spray guns. The homogeneity of the spray jet ensures high levels of surface quality.
- Due to the high mixing precision and the even application of the fire protection material, little or no refinishing is needed. This allows you to save a considerable amount of time and material. The system is available safe for use in potentially explosive areas, which means that you can also use it in the oil and gas industry.
- Areas of application:
Fire protection coatings for naval and offshore applications
Processing flameproofing material in the oil and gas industry
Building protection
Coatings with fire protection material in any areas in which high temperatures can result in the event of fire.



■ Fields of application

- Offshore industry, oil and gas industry as well as building protection.

■ Spraying material

- The material is used in all areas where a fire incident could result in extreme heat development.
- We will be glad to advise you about the right system from our extensive DUOMIX333 PFP product range to suit your materials and application.



■ WIWA thick layer /mortar pumps

- The WIWA 410.09 and 600.12 Series are suitable for processing epoxy- and water-based high-density materials and mortars. By contrast with screw pumps, WIWA high-pressure pumps can be easily flushed through and cleaned with thinner. This makes high-pressure pumps highly suitable for processing epoxy-based materials too.

■ Fields of application

- Decks on ships and ferries
Concrete and building sanitation
Sealing of cellars (basements)
Fire protection

WIWA®
because it works





■ WIWA PROFESSIONAL

- The WIWA Series for heavy-duty corrosion protection The Airless high pressure pumps of the PROFESSIONAL Series are most suitable for applications in paint circulation systems. Due to the high-pressure pumps' high displacement, it is possible to ensure slow piston speeds and corresponding low wear even with large nozzle sizes. This also makes these high-pressure pumps suitable for use in automatic spraying systems with or without circulation.

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because it works





WIWA HERKULES

- The new high-performance series for heavy-duty corrosion protection and demanding requirements, such as the marine and offshore industry, for example. The high-quality and robust WIWA high-pressure pump with high to extremely high pressure ratios and enormous volumetric capacities is suitable for demanding large surfaces and thick layer applications. High-pressure pumps of this series are ideal for use in automatic and manual paint circulation and spraying systems.
- The new maximum power series for heavy corrosion protection and maximum requirements, such as in the marine and offshore industry.
- High-quality and robust WIWA pump technology with high and even extremely high pressure transmission rates and enormous volumetric capacities to meet highest demands.

WIWA®
because it works





- The new models 35075 and 35061 are maximum power units for large area and thick-film coatings. They have a very high pressure ratio and superior pumping capacities. Even the use of several spray guns and hose lengths from more than 100 m (without noticeable pressure drop) is no problem for this spraying equipment. This enables area output values and coating thicknesses, that had never been achieved before.
- The new models 48057 und 48046 are units with higher pumping capacities in connection with a high pressure ratio
- With their enormous pumping rate of 550 ccm per double stroke, the models 60036 and 60028 are ideally suited for use in automatic and manual paint circulation and spray painting systems.



Fields of application

- Fire protection
- Large areas
- Marine coatings
- Structural engineering and hall construction
- Wagon factories
- Offshore industry
- Industrial coatings
- Building and corrosion protection
- Insulations
- Paint supply systems
- Automatic coating systems

Spraying materials

- Glass flake
- Antifouling
- Cold bitumen
- Low solvent and solvent free paints
- Materials with short fibre fillers
- Sprayable lacquers and paints
- Plural component and tar-epoxy paints
- Abrasive materials
- Flam protection materials
- Insulation and thick-film material
- We will be glad to advise you about the right system from our large HERKULES product range to suit your material and application.





■ WIWA DUOMIX 270

SETTING THE STANDARD IN
POWER AND RELIABILITY

- High pressure, plural component spray equipment for heavy duty coatings
- Specifically suited for demanding, highly viscous materials and application on large surface areas; the WIWA DUOMIX 270 application unit is a formidable and dynamic addition to our DUOMIX Series, combining the advantages of continuous production and accurate, stable dosing with easy electronic operation and monitoring.
- Equipped with our latest, low-noise, oil free, anti-icing air motor, the system provides high pressure ratios with high volume output that allows the use of multiple guns and long hoses while the anti-icing design provides for continuous application and minimizes downtime.

WIWA®
because it works





- The mixing ratio can be changed in a matter of minutes by exchanging the material pumps. More than 200 different fixed mixing ratios can be set up this way.
- The mixing block can be located directly on the unit or, for products with a short pot life, in an external mixing block connected by a heated hose package up to 100m long.
- All parts in contact with the material are made of stainless steel and are crafted to require the lowest possible maintenance, are easy to clean and will reduce material waste and solvent use, which makes the series highly durable and very economical.
- Material feed is possible via, various sized, feed hoppers (with optional heating/agitator) or by using feed pumps for either small or large drums. If necessary WIWA MATERIAL FLUID HEATERS are easily added for warming the material to the required processing temperature.



WIWA DUOMIX 270

- Available electronic features include: pot life monitoring, flush program execution, gear flow metering, mixing ratio memory and data recording and downloading with the WIWA DATALOGGER.
- The system can be customized with additional WIWA accessories such as temperature and pressure monitoring systems, to meet individual requirements for the most diverse application challenges. Can be configured for work in areas designated as an Ex-Zone.
- Ease of operating and monitoring with an optimized layout of the components and controls, fast conversion to other mixing ratios and rapid and easy cleaning. The unit conforms to the European Directive with regard to the single shut-off requirement.
- For use as a stand alone or deployed in fully automated, robotic production systems.





■ WIWA DUOMIX 270

- Building / Construction
- Building sanitation
- Civil Engineering
- Structural Engineering
- Heavy Industries
- Marine and Offshore Industries
- Mechanical Engineering
- Vehicle construction
- Pipes and Pipelines
- Power Generation Industries

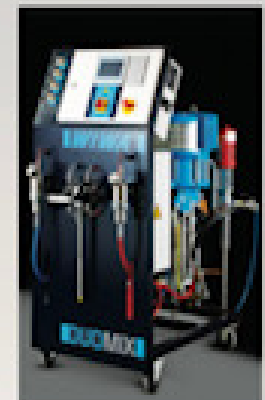


■ Fields of application

- Main fields of application are in the marine and offshore industry, tank and container construction, pipe and pipeline coating, the coating of rail and other large capacity vehicles, building protection and building repair as well as other large area coating applications for e.g. silos, cooling towers and waste water treatment plants.

■ Spraying materials

- Wide performance range for almost all low, medium and high viscosity spray painting and plural component coating materials.
- Coating - solvented
- Coating - low solvent, solvent free
- Coating - acrylic
- Coating - polyurethane
- Coating - fouling release
- Coating - silicon
- Coating - plural component
- Flame Retardent materials
- Materials with short fibre fillers
- Sprayable lacquers and paints





■ WIWA DUOMIX 140

- A particularly favorably priced dual-component application system for industrial and craft sectors with a fixed mixing ratio and high metering precision. Easy and safe to operate. The high-pressure pump is safe for use in potentially explosive areas, since it is driven by compressed air and approved according to ATEX 100.

WIWA®
because it works





Other areas of application include:

- Polyuria linings in water treatment plants
- PU tank coatings and linings
- Coatings and linings of pipes and pipelines
- Linings of manholes and sewers
- Floors and car parks
- Inserts for lorry load beds (wear protection)
- Linings for rail vehicles and coverings for track beds (NVH)
- Water parks and playgrounds
- Earth and water retention systems
- Fuel storage and retention systems
- Desalination systems
- Roof coatings (roof refurbishments, crack covering, long-term protection)
- Navigation
- Chemical protection (biogas reactors, sewage plants)
- Façade coating
- Flat roof sealing

WIWA®
because it works

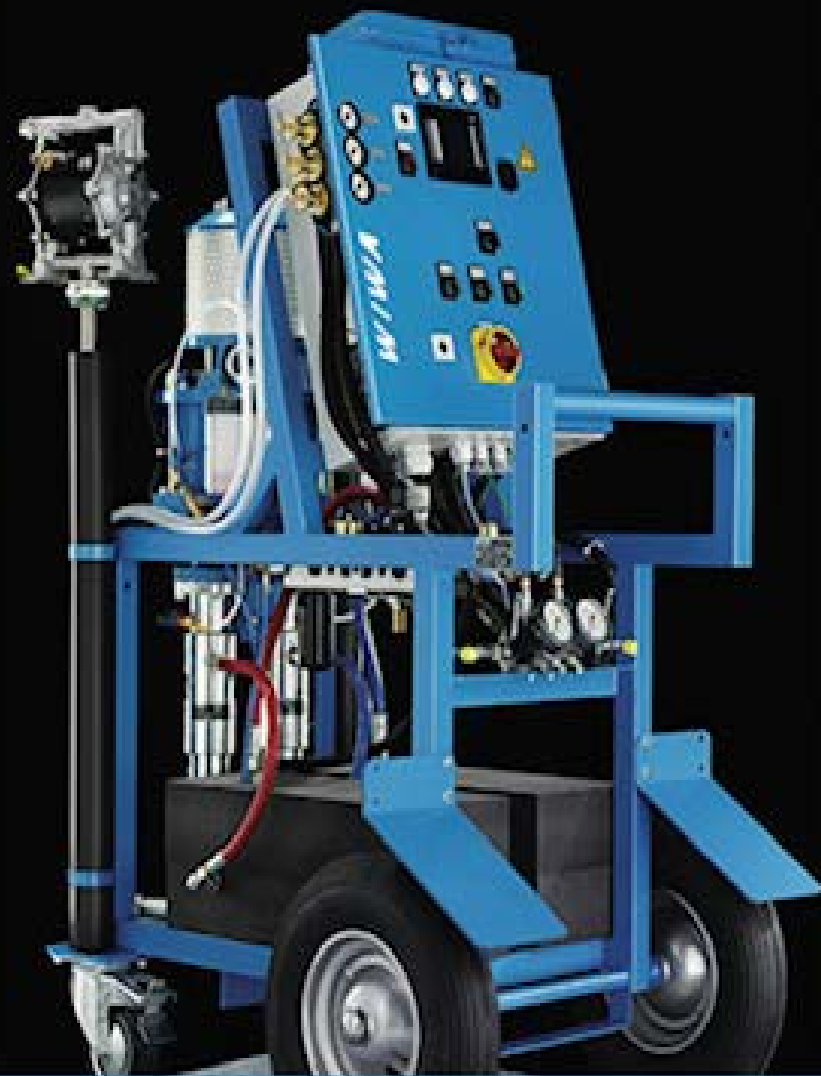




■ The powerful WIWA DUOMIX PU 460

- The powerful WIWA DUOMIX PU 460 is the ideal system concept for applying polyurea and PU foam in the field of concrete refurbishment too. With powerful material flow heaters, phase monitoring, differential pressure shut-down and control of the mixing ratio the PU 460 offers high process reliability in all fields of application. There is an almost free choice of mixing ratio from 1:1 to 10:1, which means that nearly any form of mixing used for in-situ foam or polyurethane/polyurea elastomers can be applied – this is a particular advantage when refurbishing concrete structures

WIWA®
because it works





■ DUOMIX 85 powerful dual-component coating and paint spraying units

If you want to implement economic coating even with small production runs or small surfaces, you can use our DUOMIX 85 dual-component paint spraying unit. Woodworking craftsmen, the furniture trade or sheet metalworking companies often require high-quality coating using compact technology. The small amount of material that is used of about 300 - 400 ml makes it possible to quickly paint individual parts or small series runs. WIWA's DUOMIX 85 paint spraying unit is safe for use in potentially explosive areas and approved according to ATEX 94/91 E.

WIWA®
because it works





■ WIWA HIGH PRESSURE CLEANER

- With the combination of high pressure and finest atomization as well as appropriate additives not only rust, but also greases, oils and resins can be removed most effectively. The advantages are obvious: Using the WIWA HIGH PRESSURE CLEANER it is possible to drastically reduce the increased material costs in corrosion protection due to contamination of the blasting medium by falling rust particles during pretreatment of the substrate by sand-blasting, since precleaning makes it possible to use the blasting medium several times.

WIWA®
because it works





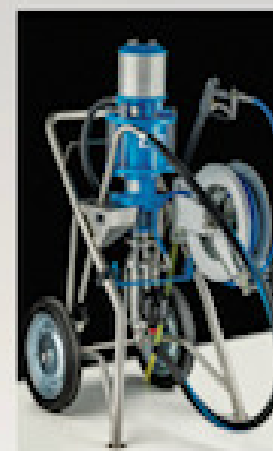
- Whether you need to clean or pre-treat small surfaces or large areas, or need to work with one or two lances at the same time, the WIWA HIGH PRESSURE CLEANER covers a wide range of applications. Its optimal field of use is not just limited to corrosion protection, but it also includes the oil and gas industry, food industry, shipping, building and roof sanitation as well as the cleaning of buildings.
- With the combination of high pressure and finest atomization as well as appropriate additives not only rust, but also greases, oils and resins can be removed most effectively. Difficult to access areas, such as profiles, angular structures as well as pipes of most different diameters can now be easily cleaned with the WIWA HIGH PRESSURE CLEANER equipped with the unique swivel nozzle.



- The benefits are quite obvious: The frequently increased material costs associated with corrosion protection, which are caused by the spraying material being polluted by rust particles falling down while preparing the area by means of shot blasting, can be considerably reduced by using the WIWA HIGH PRESSURE CLEANER, because the preceding cleaning enables the multiple use of the blasting material.
- The handy and mobile WIWA HIGH PRESSURE CLEANER also convinces on the high seas. With its low weight and easy handling the WIWA HIGH PRESSURE CLEANER eases cleaning and repair work on and under deck. Since the WIWA HIGH PRESSURE CLEANER in all its equipment stages obviously is fully explosion protected, it can also be used in the offshore industry.

Fields of application

- Offshore industry
- Oil and Gas industry
- Petrochemical plants
- Chemicals industry
- Ship maintenance
- Building/roof renovation
- Mining industry
- Food industry
- Construction equipment
- Conveying machinery
- Building/structure cleaning





WIWA DUOMIX 230

Powerful

plural component airless paint
spraying system DUOMIX 230

Fields of application

Industrial spray painting of any kind, wood processing
industry, structural engineering and hall construction,
wagon factories, building and corrosion protection,
paint supply systems, marine and offshore industry as
well as pipe and pipeline coating.

Spraying material.

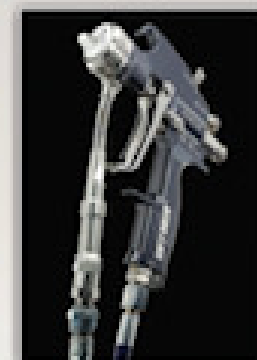
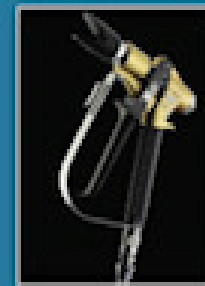
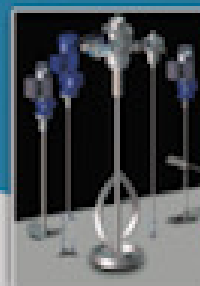
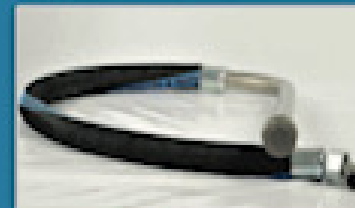
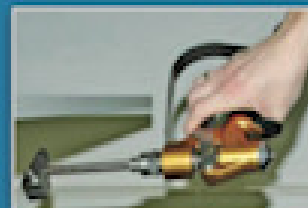
Wide range of applications for almost all low, medium
and high viscosity spray painting and coating materials
We will be glad to advise you about the right system
from our extensive DUOMIX 230 product range to
suit your materials and application.

WIWA®

because it works



Accessories wiwa





■ WIWA low-pressure pumps

- These new low pressure pumps still use the well proven WIWA compressed air motors. The transfer pumps differ from their predecessors by the following features:
- Revolving piston gland packing with four V-sleeves.
- Easy assembly and disassembly.
- Low weight.
- The piston is simply hooked in, as with the Airless paint spraying units.

WIWA®
because it works





■ WIWA high-pressure pumps – powerful and versatile!

- WIWA offers appropriate high-pressure pumps for virtually any area of application. Regardless of whether it's as a small transfer pump or as part of a high-performance coating system. WIWA pumps are robust, have a long service life and are easy to maintain. Due to their modular structure, WIWA high-pressure pumps offer individual solutions for virtually any areas of application.
- PROFIT Series high-pressure pumps
- Revolving piston gland packing with four V-sleeves. Easy assembly and disassembly. Low weight. The piston is simply hooked in, as with the Airless paint spraying units.

WIWA®
because it works





■ WIWA Oil Transfer Pumps

- WIWA Oil Transfer Pumps
- Fields of application
- Pumping of oil.
- for 25, 30 or 60 litre drums
- for 216 litre drum
- with a 2" bunghole plug





■ High - Pressure Pumps

- The new, powerful high-pressure pumps for wood varnishing and metal painting as well as other types of coating in industrial and craft trades. The WIWA PHOENIX is a versatile and high-quality range of high-pressure pumps to suit almost all possible applications.

WIWA®
because it works





■ WIWA water transfer pumps

- WIWA low pressure pumps for water to supply sandblasting machines with water for hydroblasting.
- Pumped material
- Water
- We will be glad to advise you about the right system from our extensive water pump product range to suit your materials and application.

WIWA®
because it works





■ **PROFIT Series** **high-pressure pumps**

- The new PROFIT range is ideally suited for crafts trade and industry.
- WIWA PROFIT, compact, powerful and economical WIWA Airless paint spraying equipment and Air-Combi spray painting systems.
- PROFIT – mobile paint spraying equipment for flexible use. The right technology for any application. PROFIT units with paint supply containers are ideal for repairs and touch-up work with only moderate consumption of material. A closed flushing agent chamber separates air motor and fluid pump. The flushing material prevents encrustations of paint on the piston rod and with its lubricating effect protects the seals. Double-action pump with fixed, spring loaded seals. Exceptionally long lifetime due to the hard chromated double piston, hard metal valve plates and stainless steel valve balls. Double filter system (suction and high pressure filter) for trouble free operation.

WIWA®
because it works





- WIWA PROFIT Airless
- Robust Airless spraying unit for economical spray painting
- WIWA PROFIT Air Combi
- For highly accurate spray painting with the environmentally friendly Air-Combi spray painting method
- Airless
- Air Combi
- Hot spraying

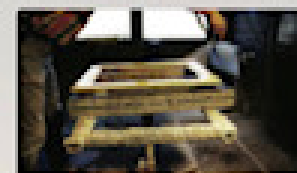
WIWA®
because it works

Fields of application

- Joineries
- Furniture industry
- Painters and spray painting shops
- Mechanical engineering and vehicle construction

Spraying material

- Oils and greases
- Thick-film varnishes
- Primers
- Spray fillers
- Sprayable lacquers and paints
- Plural component material
- Structural lacquer
- Hammer scale lacquer
- Water diluted media
- Water varnishes



- We will be glad to advise you about the right system from our wide PROFIT range for your material and your application.



WIWA HERKULES GX SERIE

WIWA HERKULES 270 GX

WIWA HERKULES 333 GX

The AIRLESS 270 introduced in 2015 has been rebranded as WIWA HERKULES 270 GX. Together with the even more powerful WIWA HERKULES 333 GX, this unit rounds out the new series.

With our new oil-free, low noise, anti-icing air motor, the WIWA HERKULES GX SERIES is a dynamic and powerful addition to our single feed, airless product range. Both units handle long hoses and multiple spray guns with ease. Designed for continuous operation under the toughest conditions with large areas and thick film coatings where extremely high pressure ratios, high volume output and continuous production are required. Ideal for automated spraying and paint circulation systems.

WIWA®

because it works





- Made of high quality materials and crafted to require the lowest possible maintenance, these exceptionally durable and reliable units provide a highly economical investment.

■ New features:

- The air motor is oil-free, anti-icing and low noise
- No pulsation ensures precise results
- The material pump and high-pressure filter are made of stainless steel and are easily serviced using the hook spanner
- Compact air maintenance unit mounted directly on the air motor
- All material wetted parts are made of stainless steel
- A stable multi-functional frame equipped with large wheels, ring bolts for easy lifting, holders for the suction hose and a hook spanner
- Self-adjusting packings reduce wear and tear and keep maintenance costs low
- QR code on the machine connects you directly with the technical documentation



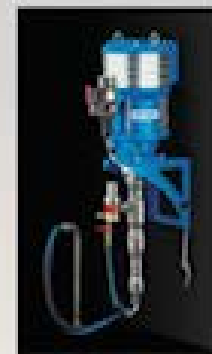
■ Fields of application

- Large areas
- Marine coatings
- Structural engineering and hall construction
- Wagon factories
- Painters and spray painting shops
- Offshore industry
- Industrial coatings
- Building and corrosion protection
- Insulations
- Fire protection
- Transfer pump

■ Spraying materials

- Abrasive materials
- Flame protection materials
- Glass flake
- Insulation and thick-film materials
- Antifouling
- Cold bitumen
- Materials with short fibre fillers
- Low solvent and solvent free paints
- Sprayable lacquers and paints
- Plural component and tar-epoxy paints

- We will be glad to advise you about the right system from the wide AIRLESS range to suit your material and your application.





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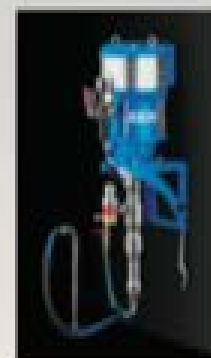
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■ WIWA POWERPACK XL paint spraying units

- WIWA paint spraying units of the highest performance class with hydraulic motors. The WIWA product range has been extended. In addition to WIWA's pneumatically driven application technology that has been tried and tested for more than 50 years, our most powerful painting systems and dual-component coating units are available with immediate effect with hydraulic motors too.
- The pluses of our paint spraying units with hydraulic drive:
 - No interruptions to work due to icing
 - Pulsation is barely noticeable thanks to the extremely high stroke change-over speed
 - POWER PACK Series pumps can be easily integrated into existing hydraulic systems
 - Low-noise hydraulic drive

WIWA®
because it works





- Powerful for high pump capacity at high pressure
- Energy saving of up to 60 %
- Long service life and low maintenance costs

■ Hydraulic paint spraying units: The alternative for maximum output in continuous use.

- Ideally suited for operations or applications where no compressed air supply is available.

■ Fields of application

- Large area and thick-film coatings such as in shipbuilding and in the offshore industry, in building and corrosion protection, in paint circulation systems and spray painting lines, in structural engineering and hall construction, for road marking operations, in wagon factories, in painting and spray painting operations, industrial coatings, insulation, fire protection and as transfer pump for automatic coating systems and external tapping points.

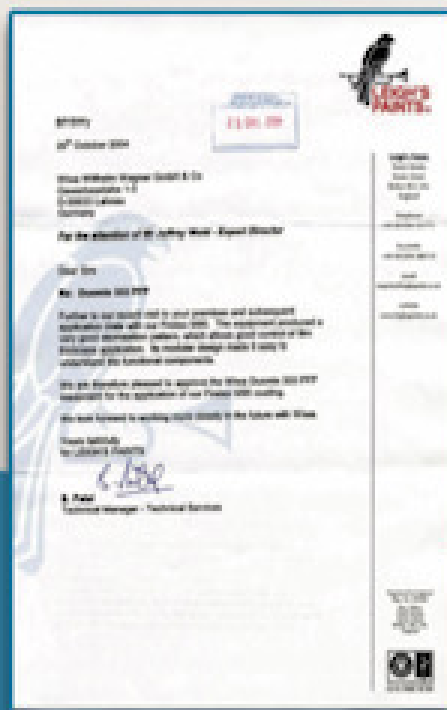


■ Spraying material

For application of highly viscous and/or abrasive materials such as e.g. flameproofing materials, glass flake, insulation and thick-film material, antifouling, cold bitumen, low solvent and solvent free paints, materials with short fibre fillers, plural component and tar-epoxy paints, micaceous iron ore, zinc primer and other sprayable lacquers and paints.

- We will be glad to advise you about the right system from our extensive POWER PACK XL product range to suit your materials and application.





WIWA®

because it works

CERTIFICATES

