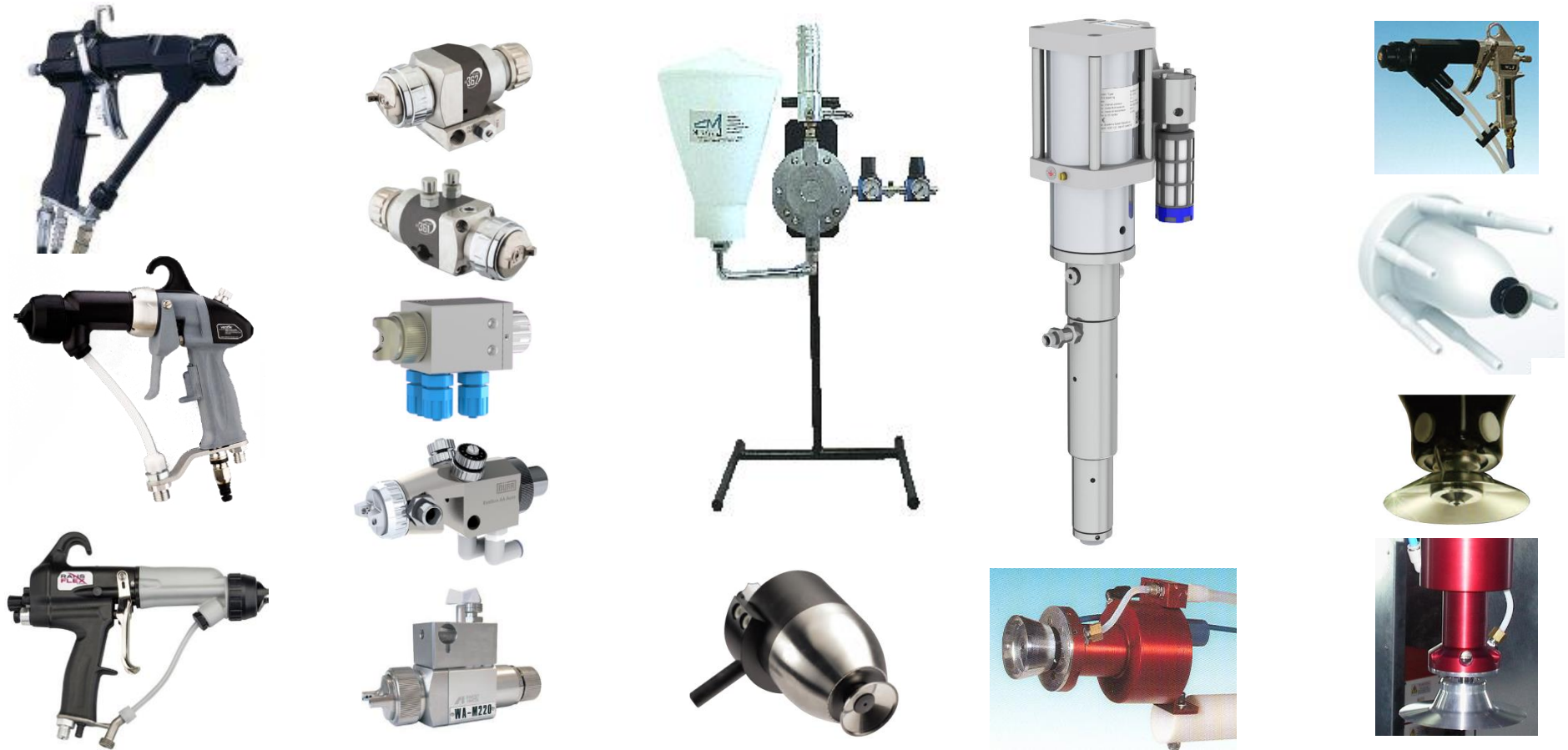




Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems Automation and systems



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Sistemi di verniciatura industriale
automatici ed impianti

CM SPRAY SRL

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Sistemi di verniciatura industriale
automatismi ed impianti

ELECTROSTATIC SYSTEMS FOR LIQUID PAINTING



C.M. SPRAY S.r.l. founded in 1988, it operates in the painting sector with the supply of equipment, systems and machines for spraying liquid and powder paints. The company, with operational headquarters in Carbonera (TV), has always worked to offer its customers and the market effective and reliable solutions in surface coating. Thanks to the experience acquired, CM SPRAY S.r.l. offers a consultancy, assistance and sales service that accompanies any customer in the design, development and management of their own painting department. Furthermore, thanks to the new innovative equipment that is continuously added to the vast range of products already distributed, customers are offered the possibility of adapting their spraying systems to new products developed by research in the chemical field. C.M. SPRAY S.r.l. addresses the market of the future, aware of being able to give all its customers the technical answers that companies that want to progress in the quality and cost reduction of their products and processes need. In recent years C.M. SPRAY S.r.l. has made quality and experience its business card.



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Sistemi di verniciatura industriale
automatismi ed impianti

Ransburg invented electrostatic finishing technology over 60 years ago and the entire industry has benefited from the benefits. Complying with European environmental legislation standards, Vector offers unparalleled value for money for all low pressure electrostatic painting processes. The best positioning of the center of gravity, a slim handle shape, great maneuverability and a flexible trigger guarantee user comfort. Vector redistributes pressure in the air cap by adjusting the balance between atomized air and jet air. This slows the speed of the paint particles in the electrostatic field resulting in a higher charge and higher spray rate with less product loss.



Ransburg®

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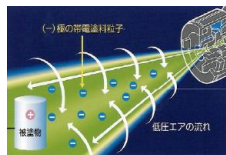
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Sistemi di verniciatura industriale
automatismi ed impianti

Asahi Sunac, a Japanese manufacturer known throughout the world and appreciated for the validity and quality of its products, has developed electrostatic finishing technology in a mix-medium pressure version. Combined with 20:1 or 30:1 pneumatic pumps, the APEG100 model gun allows the operator a high speed of application even of very dense products with a unique distension of the paint film and with truly notable savings in consumption both compared to air guns -conventional mixes, both compared to competing medium pressure electrostatic guns.



ON



OFF



**ASAHI
SUNAC**

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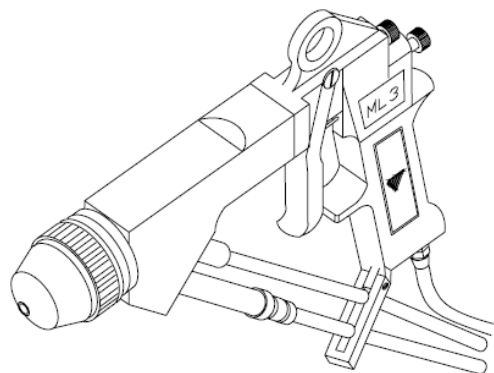
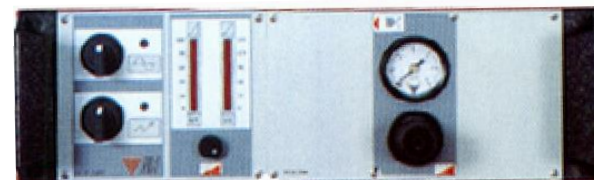
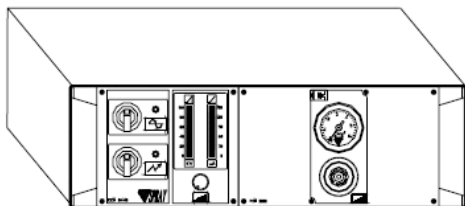
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Sistemi di verniciatura industriale
automatismi ed impianti

Spray sa is a Spanish company present on the market since the nineties. The reliability and durability of their electrostatic systems has convinced us to be a partner of this valid production company for over thirty years. Low maintenance costs and excellent electrostatic charge make the ML-3 model suitable for all market segments, especially in sectors with more demanding use.



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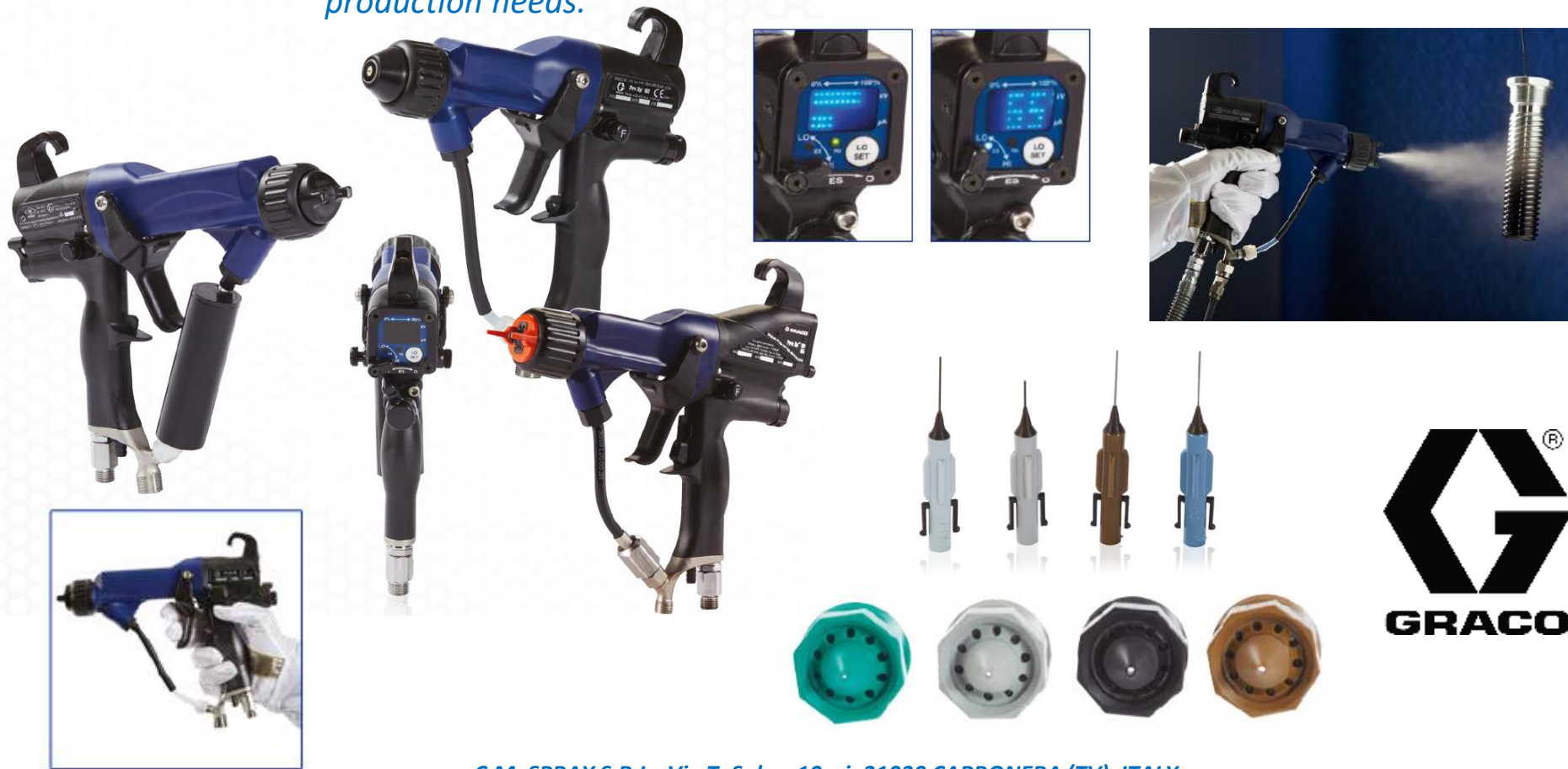
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Sistemi di verniciatura industriale
automatismi ed impianti

With excellent finish quality, air caps and spray tips designed to deliver an increasingly higher quality finish, the Pro Xp is a performance gun. Each gun is tested and delivered with a certificate indicating the spray pattern, mechanical performance and electrical performance that meet Graco requirements and your expectations. With a wide choice of models, you'll gain greater spray flexibility to meet your ever-changing production needs.



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Sistemi di verniciatura industriale
automatismi ed impianti

The RansFlex gun is a brand new electrostatic gun that uses compressed air produced by a turbine and coupled with a high voltage cascade in the gun, to generate an electrostatic charge which eliminates the need for external generators and cables. A compact, lightweight gun with excellent atomization, the RansFlex gun offers new features and benefits beyond those of any other electrostatic gun.



**RANS
FLEX**
By Ransburg

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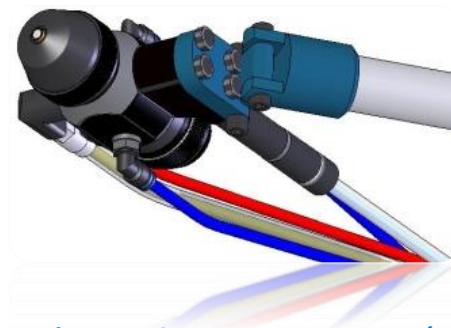
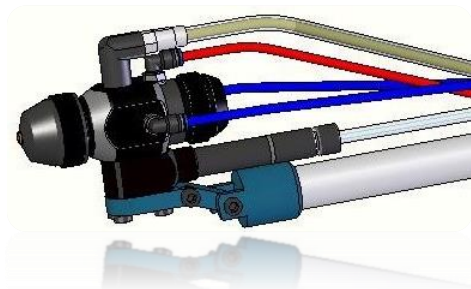
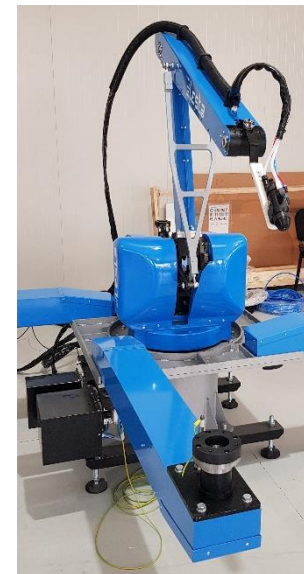
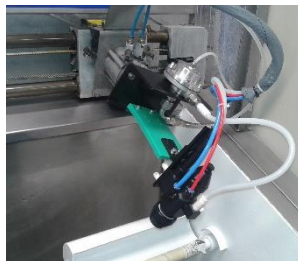
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Sistemi di verniciatura industriale
automatismi ed impianti

The AL4 automatic electrostatic system allows you to paint metal and wooden details, structures and more with notable savings in consumption and an increase in production speed. Suitable for the general carpentry or woodworking sector, it can spray paint materials, even very dense or abrasive ones, with exceptional finishing results.



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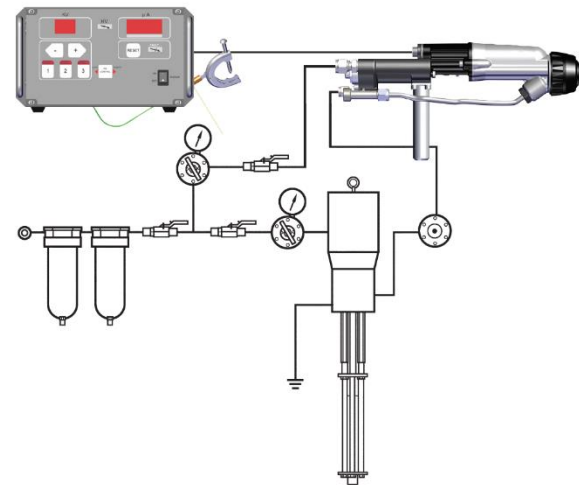
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Sistemi di verniciatura industriale
automatismi ed impianti

The RansFlex automatic gun is an electrostatic spray gun with low pressure pneumatic atomization powered by a compact generator. The gun provides superior atomization and a quality finish for every application. The indexed air cap allows it to be positioned quickly and easily. The internal cascade of the gun generates a high voltage on the electrode creating the electrostatic charge between the gun and the workpiece, which allows for repetitive application and high transfer efficiency. For optimal safety, the gun and power supply are certified to meet FM/ATEX standards. Two spray technologies: Trans-Tech® or conventional. Nozzles available in 0.7, 1.0, 1.2, 1.4, 1.8 mm and round fan. The atomizing air and fan width adjustments are independent.



Ransburg®

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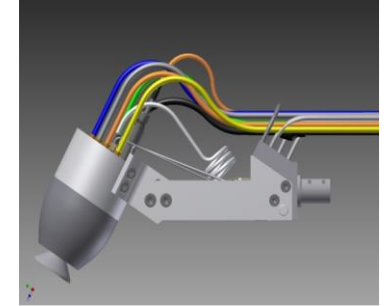
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Sistemi di verniciatura industriale
automatismi ed impianti

The high-speed rotary cup applicator for electrostatic applications is available in several configurations. The assembly incorporates precision air bearings for extended turbine life. Aluminum or titanium cups, speed control and air braking function. Single or dual control of shaping air. From 60,000 to 100,000 RPM. Possibility of direct or indirect charging and use of both solvent-based and water-based paints.



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Sistemi di verniciatura industriale
automatismi ed impianti

ECOBELL series rotary atomizers, a new generation of rotary systems for electrostatic paint application. The perfect synthesis between very high performance and process flexibility. Possibility of direct or indirect charging based on the prevalence of supports to be painted. The most used in the automotive sector. Performance scale from 8,000 to 70,00 RPM and from 50 to 700 ml/min.



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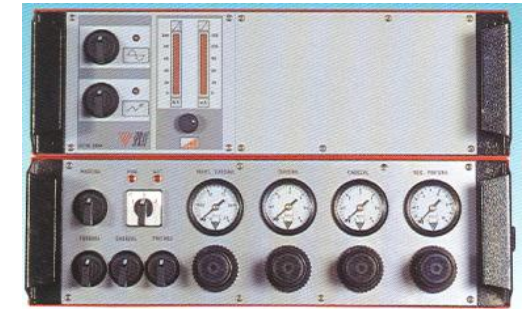
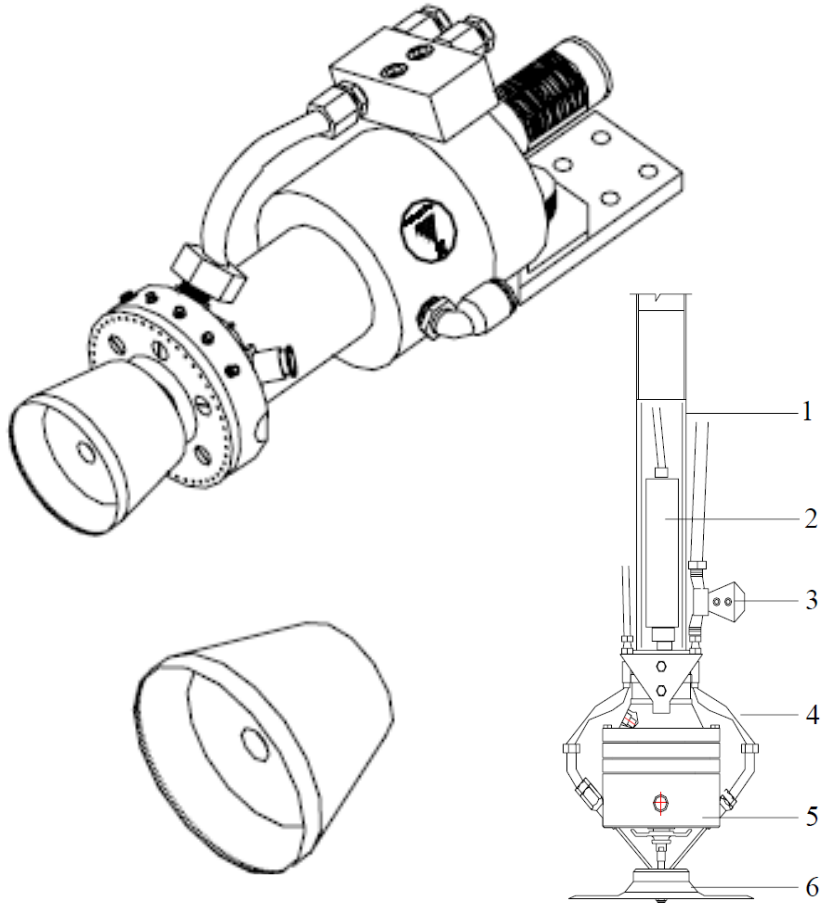
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Sistemi di verniciatura industriale
automatismi ed impianti

The rotary electrostatic systems guarantee perfect painting of the support with enormous savings in paint consumption. Very high transfer efficiency, up to over 90%, reduction of emissions, possibility of working with water-based or solvent-based paints. High quality of atomization, reliability and safety.



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Sistemi di verniciatura industriale
automatismi ed impianti

MULTI-BRAND SERVICING AND REPAIRS

The C.M. Spray srl in its headquarters offers the possibility of carrying out assistance and repairs for all types of equipment with the use of original spare parts, thanks to a highly experienced technical staff capable of intervening and solving problems of breakage or consumption in a very short time of your machinery parts. Interventions can also be carried out at customer sites with the programming of the period and annual maintenance contracts can also be stipulated with the planning of the interventions to be carried out.

ORIGINAL SPARE PARTS:

www.cmspray.it

cmspray@cmspray.it



+39 0422 398768

Mob. +393484501993



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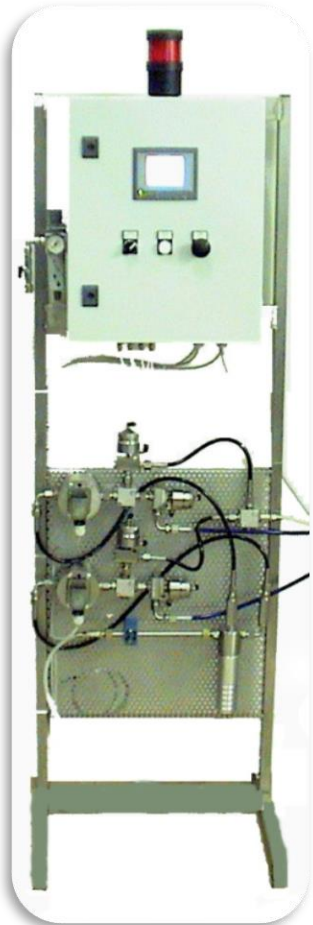
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Sistemi di verniciatura industriale
automatismi ed impianti

Automatic liquid mixing systems

Automatic proportional mixing systems for multi-component paints capable of mixing most epoxy and/or polyurethane and acrylic paints. The systems can be powered at both low and high pressure, the potential margin of error in catalysis can be less than 1% depending on the models used. The two separate components arrive at the mixing chamber and only from the helical mixer onwards the paint is mixed. Enormous savings in paints which are automatically mixed only for the part necessary for painting and when carrying out the spraying phase. Saving of paint to dispose of, since there is no waste.



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Automatic liquid mixing systems

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automatismi ed impianti

Automatic proportional mixing systems for multi-component paints are capable of mixing most epoxy and/or polyurethane paints. The systems can be powered at both low and high pressure, the potential margin of error in catalysis can be less than 1% depending on the models used. The two separate components arrive at the mixing chamber and only from the helical mixer onwards the paint is mixed. The enormous savings of paints which are automatically mixed only for the part necessary for spraying and when carrying out the painting phase. The predetermined quantity of solvent to be used for cleaning the system, without possible excesses by the operator. The savings on disposed paint given that there is no waste make the investment attractive. The timescale for recovering this investment is very short, given that the advantages are considerable and the operating cost is very low.

Mixes two-component paints easily and evenly

EASY MAINTENANCE

Complete access to all products that require periodic assistance.

- *Easy-to-service cartridge fluid valves*
- *Full access to all fluid components*
- *Externally mounted air filters*
- *Possibility to schedule maintenance notifications*

NO MORE EXPENSIVE REWORKS

Maintains the ratio within pre-defined tolerance limits, up to $\pm 1\%$ in the version with dispenser. Out-of-ratio materials do not reach the product, thus eliminating costly rework.

Simple and flexible dosing



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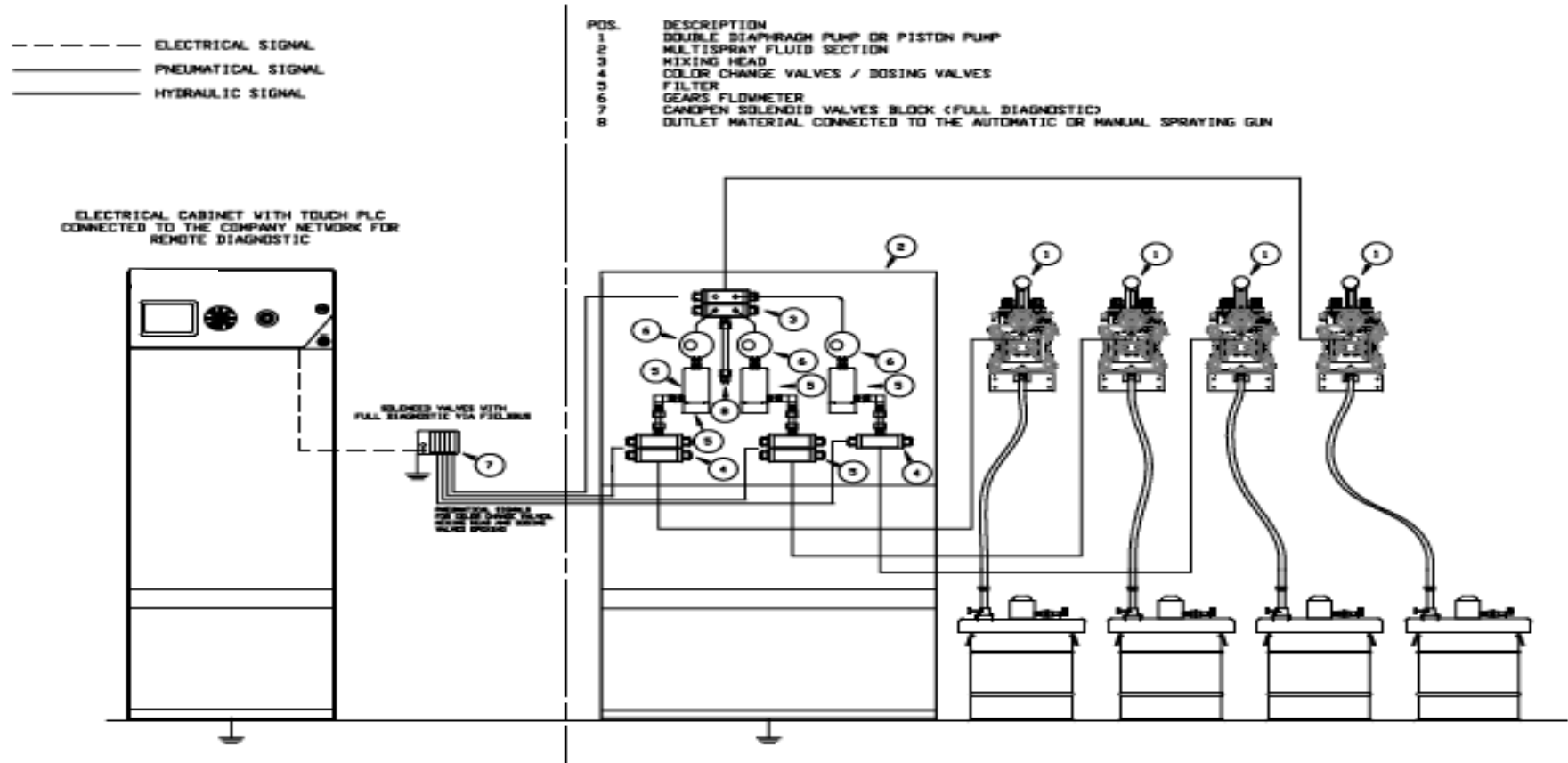
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Automatic liquid mixing systems

Sistemi di verniciatura industriale
 automatismi ed impianti



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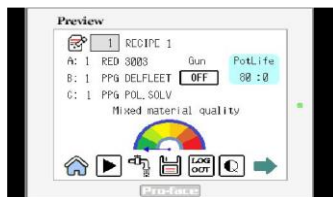
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Sistemi di verniciatura industriale
automatismi ed impianti

The system based on gear-driven mass meters has reliable pumps, has SIMPLE operation and is always ready for use. The intuitive icon LCD display allows you to set, manage and monitor the system during its operation

EASY TO USE DISPLAY

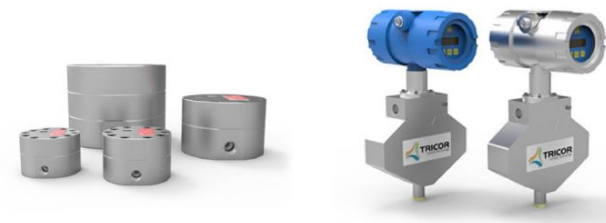
- Simple operation options: standby, spray, purge and empty
- Allows you to view the mixing ratio, pot life and material flow rate
- Easy to change colors on measuring machines
- The screen is used to control costs and create environmental reports
- Programmable maintenance notifications: pump cycles, valve cycles and filter life



Elettrovalvole con diagnostica



Misuratori ingranaggi coriolis controllo corsa



Valvole di cambio colore



2019/9/13



Testa di Miscelazione

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Automatic liquid mixing systems

Sistemi di verniciatura industriale
automatismi ed impianti

DATI TECNICI	
Range rapporto di miscelazione:	0.1:1 - 50:1
Precisione di dosaggio	± 1%
Range di portata:	50 - 5000 cc/min
Pressione di esercizio:	fino a 250 bar
Massima pressione d'aria:	8 bar
Range viscosità:	20-10000 mPas
Ricette di lavoro:	fino a 100
N° max di componenti A:	fino a 30
N° max di componenti B:	fino a 10
N° max di componenti C:	fino a 5
N° max di componenti D:	fino a 5
N° max di lavaggi comp. A:	fino a 5
N° max di lavaggi comp. B:	fino a 5
Temperatura ambiente:	5-50 °C
Materiali a contatto:	303 - 304 - Carburo di Tungsteno - PTFE

OPZIONI / ACCESSORI
3k, 4k
App per gestione sistema tramite Smartphone / Tablet
Diagnosi da remoto
Display remoto / Comandi remoti per controllo a distanza
Dispositivo di prelievo separato dei componenti
Distributore per alimentazione indipendente n.2 pistole
Fino a due circuiti di miscelazione indipendenti controllati da un unico PLC
Flussostato o Pressostato pneumatico
Gun flush box
Interfaccia Robot con diversi bus di campo
Manometri prodotto
Misuratori Coriolis
Monitoraggio temperatura cabina
Monitoraggio temperatura sala pompe
Possibilità di collegare dispositivi di livello esterni (contatti puliti)
Raccolta dati tramite PC possibilità di interfaccia con software di logistica / MRP
Valvola proporzionale per regolazione automatica della portata*
Versione Atex

*utilizzando un regolatore di pressione vernice a comando pneumatico.

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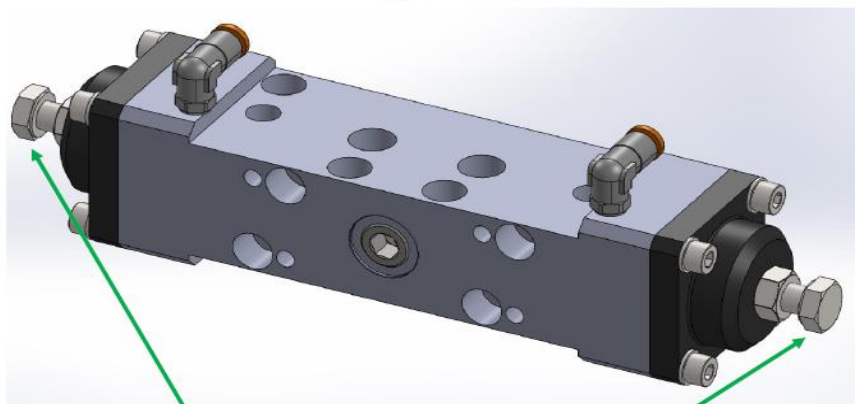
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Automatic liquid mixing systems

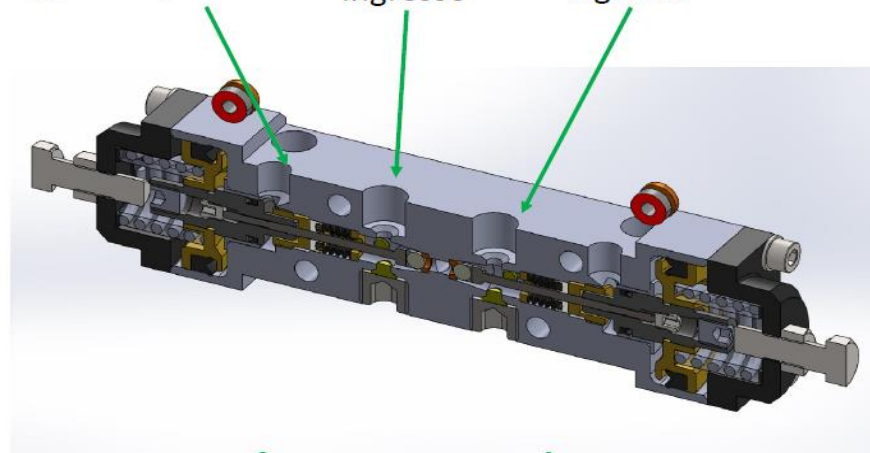
Valvola automatica di cambio colore 250 bar, 1/4" Gas filetti

Due valvole indipendenti per
 ogni modulo



Corsa dell'ago regolabile
 Quando si usano le valvole

Barriera con liquido per
 Proteggere la guarnizione
 Colore1 ingresso
 Colore 2
 ingresso



Colore 1
 ricircolo

Colore 2
 ricircolo

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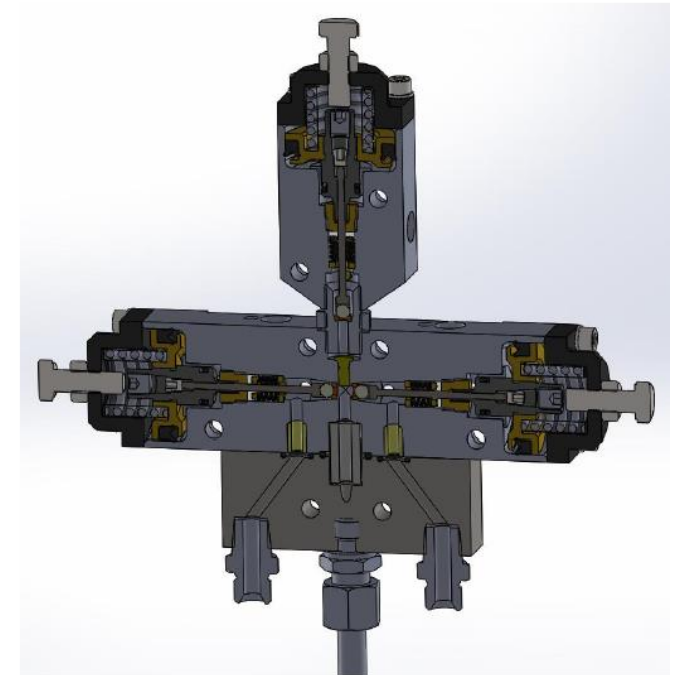
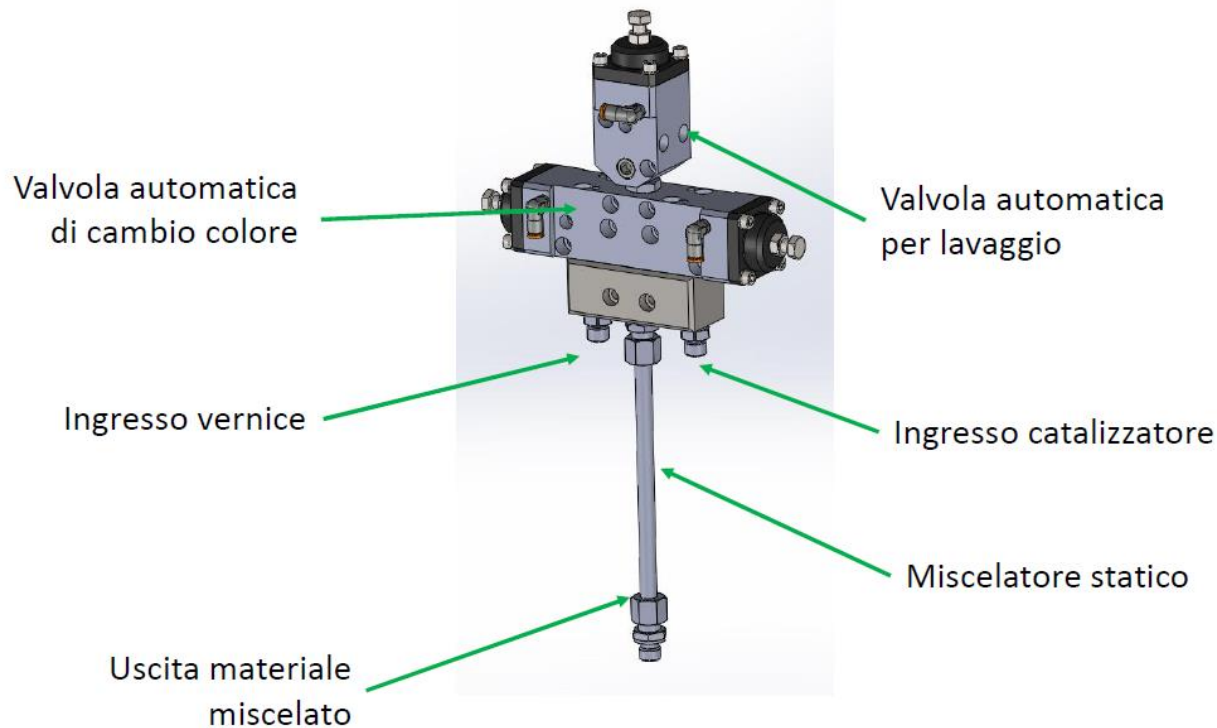
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Automatic liquid mixing systems

Testa di miscelazione 250 bar, 1/4" Gas fiatti



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Sistemi di verniciatura industriale
automatismi ed impianti

Automatic liquid mixing systems

Gun Flush Box per rigenerazione e lavaggio automatico della pistola manuale

Optional gun wash box for manual spray guns

They automatically empty the exact amount of solvent required, reducing waste and disposal costs.

Designed to handle most water-based and solvent-based materials.

Cilindro pneumatico controllato dal PLC
Per apertura grilletto pistola



Aggiustabile per diverse
pistole con gli stessi elementi



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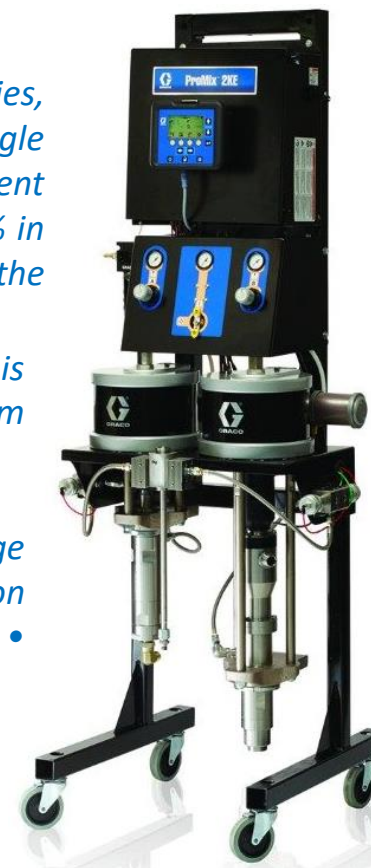
PROMIX

Available in the version with pumps and in the version with dispensers for all spraying technologies, ProMix® 2KE makes the execution of multi-component finishes EASY. Designed for use with a single color (pump version) and for a single color or 3 colors (dispenser version), for two-component materials, in cabin applications. Maintains the ratio within predefined tolerance limits, up to $\pm 1\%$ in the version with doser and $\pm 2\%$ in the version with pump. Out-of-ratio materials do not reach the product, thus eliminating costly rework.

The ProMix 2KE pump-based system features reliable Merkur® pumps, has SIMPLE operation and is ready for use. The intuitive icon LCD display allows you to set, manage and monitor the system during its operation

EASY TO USE DISPLAY

- Mounts up to 3m away with a standard cable
- Simple operation options: standby, spray, purge and empty
- Allows you to view mix ratio, pot life and material flow rate
- Easy to change colors on measuring machines
- Screen is used to monitor costs and create environmental reports
- Programmable maintenance notifications: pump cycles, valve cycles and filter life



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automatismi ed impianti

Automatic liquid mixing systems

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Allows you to obtain accurate fluid measurements and maintain mixing ratios with the 2KE measurement system.

DOSAGE

Standard sequential dosage of 50 cc

Optional 100cc sequential dosing for high flow applications

Optional dynamic dosing for water-based urethane resins

CONFIGURATIONS

Color and single catalyst with A&B emptying

Single or three-color catalyst with A&B emptying



Optional gun wash box for manual spray guns

Automatically empties the exact amount of solvent required, reducing waste and disposal costs, designed to handle most water-based and solvent-based materials



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Sistemi di verniciatura industriale
automatismi ed impianti

Automatic spray guns

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Automatic guns for use on robots, lightweight, small in size, suitable for all types of air, airless or airless+air painting. Variable maximum pressure. Ideal for solvent and water-based paints, glues, adhesives and even very abrasive products for the plastic, metal, wood and glass sectors. They can fit different types of nozzle. Minimum maintenance, equipped on request with quick release for quick and easy removal or replacement on robotic arms. Automatic pistols can also be in HVLP, conventional or TransTech versions. They are ideal for the excellent finishing quality they guarantee and for the very high transfer efficiency which allows for reduced consumption and an immediate cut in paint costs. Compatible with water-based products, precise in fluid and fan control. Able to increase the productivity of your painting line and improve the quality of your finish.



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PUMPS CATALOGUE

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C.M. SPRAY S.r.l. founded in 1988, it operates in the painting sector with the supply of systems, plants and machines for spraying liquid and powder paints. The company, with operational headquarters in Carbonera (TV), has always worked to offer its customers and the market effective and reliable solutions in surface coating. Thanks to the experience acquired, CM SPRAY S.r.l. offers a consultancy, assistance and sales service that accompanies any customer in the design, development and management of their own painting department. Furthermore, thanks to the new innovative equipment that is continuously added to the vast range of products already distributed, customers are offered the possibility of adapting their spraying systems to the new products developed by research. C.M. SPRAY S.r.l. addresses the market of the future, aware of being able to give all its customers the technical answers that companies that want to progress in the quality and cost reduction of their products and processes need. In recent years C.M. SPRAY S.r.l. has made quality and experience its business card.

The logo for BINKS is the word 'BINKS' in a bold, blue, italicized, sans-serif font.

The logo for DETE features the word 'DETE' in a bold, blue, sans-serif font, with 'SURFACE TECHNOLOGY GROUP' written in smaller letters below it.

The logo for GRACO consists of a large, stylized black 'G' with a registered trademark symbol (®) to its upper right, and the word 'GRACO' in a bold, black, sans-serif font below it.

The logo for DÜRR is the word 'DÜRR' in a bold, blue, sans-serif font, enclosed within a blue rectangular border.

The logo for I.B.K. features the letters 'I·B·K' in a bold, black, sans-serif font, with dots between the letters, all enclosed within a blue oval shape.

The logo for ANEST IWATA features a stylized black and blue 'A' on the left, followed by the words 'ANEST' and 'IWATA' in a bold, black, sans-serif font stacked vertically.

The logo for EUROTECHNIK features the word 'EUROTECHNIK' in a bold, blue, sans-serif font, with 'Oberflächentechnik Made in Germany' written in smaller letters below it, all enclosed within a circular border with stars.

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CM SPRAY s.r.l.

The new and improved Merkur™ packages are designed to deliver greater performance and durability than all other pumps in their class. With more models and configurations to choose from, you can precisely achieve the pressure and output you need for all your finishing applications. The pneumatic motor with the most advanced technology available on the market, Air consumption is kept low to increase efficiency, the silencer promotes low noise, access to the valve from the outside allows for easy maintenance and in-line replacement to minimize machine downtime. Operator control panel for pneumatic controls located at operator height simplifying setup and monitoring operations.



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PUMPS CATALOGUE

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IBK pumps differ from others for the quality in every small part. Absolutely no compromises are allowed in design and production. The flexibility of piston pumps is also an advantage. You can combine almost every hydraulic section with every motor and get the perfect solution for your production - you certainly can do this at any time. Your pump will increase with your activity. Pure pressure, produced in Germany from high quality stainless steel with robust construction and minimal service requirements, modular and configurable with maximum variability.



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CM SPRAY s.r.l.

BINKS

The MX LITE kits are designed to provide users with a durable, low-cost industrial spray tool capable of applying a wide range of industrial paint products while providing the absolute best quality spray finishes. The modular structure means fewer details for easy and quick maintenance, all parts in contact with liquids are made of stainless steel. Fixed spring seals, lower maintenance costs and economical management. Piston with ceramic treatment, standard pump seals in PTFE/UHMWPE.



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PUMPS CATALOGUE

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The EcoPump VP is a vertical piston pneumatic pump for medium and high pressure applications. A proven design and long life make these pumps the perfect choice for intensive applications of paints, putties, furniture adhesives, steel structures or walls, car bodies and other objects. The EcoPump VP is suitable for Airless or Air Assisted applications and is available in numerous variants with as many modules for air supply, pressure valves, trolleys and related devices.



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HA pneumatic piston pumps series M2001 and T2001, pumping part completely in stainless steel, pneumatic motor operating with minimal air entry, reduced consumption, new concept pneumatic inverter. Ideal for all types of paints. Different models for every need, capable of feeding from 1 to 10 or more guns.



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PUMPS CATALOGUE

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Suitable for different types of applications in the industrial sector, the ICON® Multi Spray pumps are recommended for both wood and metal painting. They are available with both a suction pipe and a hopper and as an alternative to the wheeled version, the version on a wall bracket is available.



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PUMPS CATALOGUE

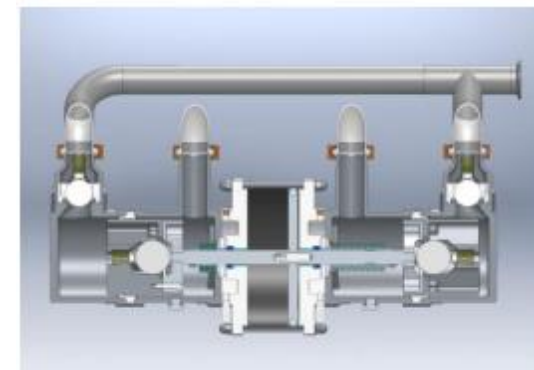
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The bellows pump is suitable for supplying systems for spraying both solvent-based and water-based industrial paint products. (for water-based paints a stainless steel version pump is available) It is suitable for powering both manual systems and automatic and semi-automatic systems. Each pump model is produced in the version for two-component or single-component paints.

BINKS

BETTELLA



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SPECIFICHE - Pompa nuda	
Rapporto:	32:1
Massima pressione di ingresso dell'aria:	8 bar [116 psi]
Massima pressione dei liquidi:	256 bar [3712 psi]
Portata per ciclo:	24 cc [0.8 oz]
Erogazione a 60 cicli/min:	1.4 l/m [0.4 US gal/m]
Consumo di aria a 20 cicli/min e a una pressione di ingresso dell'aria di 8 bar [116 psi]:	147 l/m [5.2 SCFM]
Massima velocità di ciclo continuo consigliata (cicli/min):	20
Raccordo ingresso aria:	3/8" BSP(f)
Raccordo ingresso fluidi:	MX-3/4" NPS(m), MXL-1/2" NPS(m)
Raccordo uscita fluidi:	M14x1.5(f)
Livello di rumorosità:	96.2 dB
Peso:	7.5 kg [16.5 lbs]
Materiali costitutivi delle parti a contatto con liquidi:	Acciaio inossidabile, carburo di tungsteno, materiali cromati, PTFE, polietilene, pelle, ceramica.

BINKS

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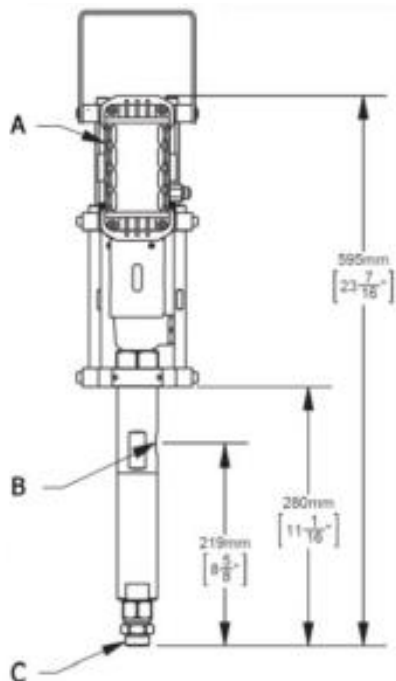
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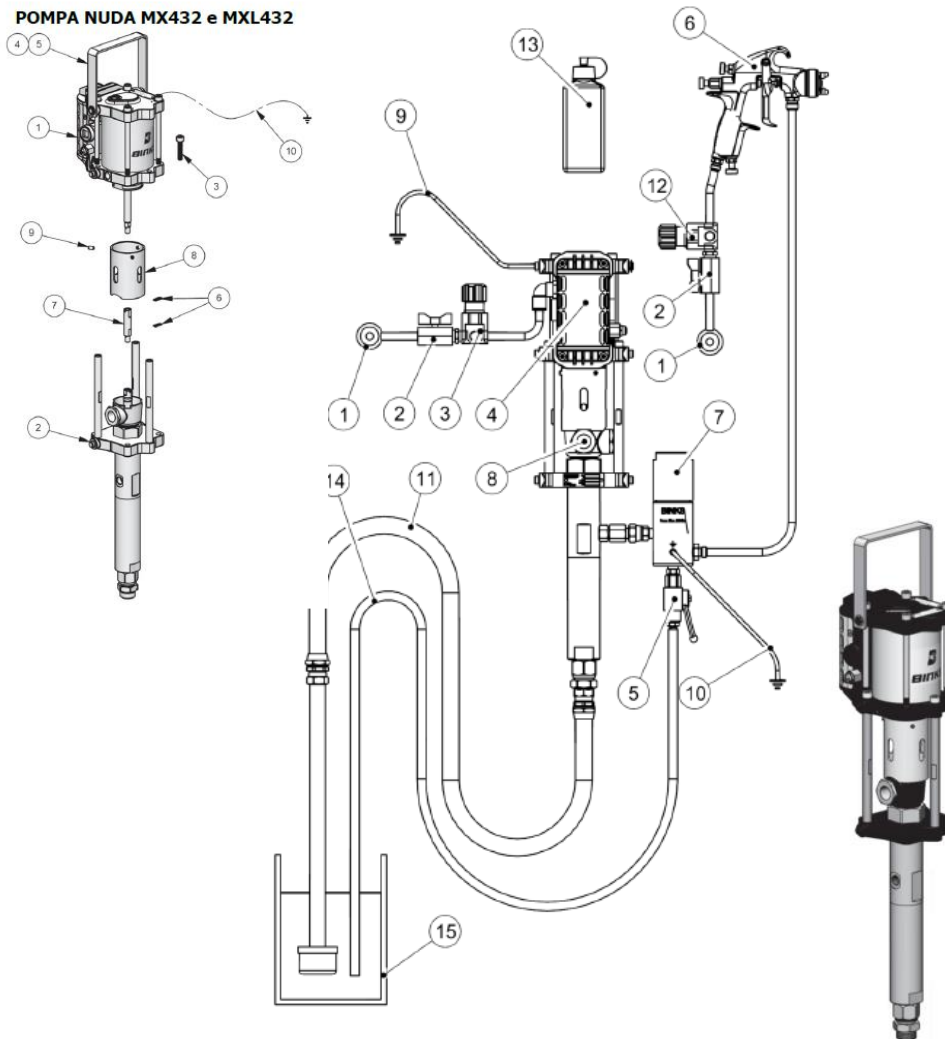
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Set per verniciatura prodotti

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POMPA NUDA MX432 e MXL432



1	ALIMENTAZIONE DELL'ARIA
2	VALVOLA DI INTERCETTAZIONE DELL'ARIA (SE MONTATA)
3	REGOLATORE DELLA PRESSIONE DELL'ARIA
4	POMPA BINKS
5	VALVOLA DI SCARICO DELLA PRESSIONE DEL LIQUIDO (SE MONTATA)
6	PISTOLA A SPRUZZO
7	FILTRO LIQUIDI (SE MONTATO)
8	TAZZA DI LUBRIFICAZIONE E LIVELLO DEL LUBRIFICANTE
9	CAVO DI MESSA A TERRA DEL MOTORE PNEUMATICO
10	CAVO DI MESSA A TERRA DEL FILTRO LIQUIDI (SE MONTATO)
11	FLESSIBILE DI ASPIRAZIONE/TUBO DI ASPIRAZIONE/TRAMOGGIA A GRAVITÀ PER LIQUIDI - A SECONDA DEL MODELLO
12	REGOLATORE DELLA PRESSIONE DELL'ARIA (PISTOLA A SPRUZZO) (SE MONTATO)
13	LUBRIFICANTE 0114-016099 PRODOTTI VERNICIANTI A BASE DI SOLVENTE 0114-016100 PRODOTTI VERNICIANTI A BASE DI ACQUA
14	FLESSIBILE DI SCARICO/RITORNO (SE MONTATO)
15	CONTENITORE LIQUIDI

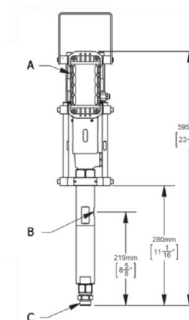
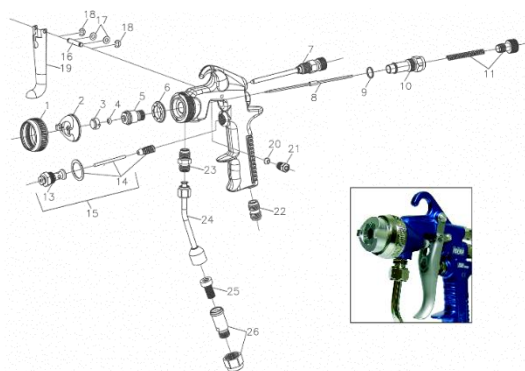
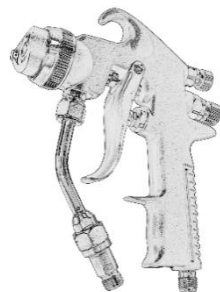
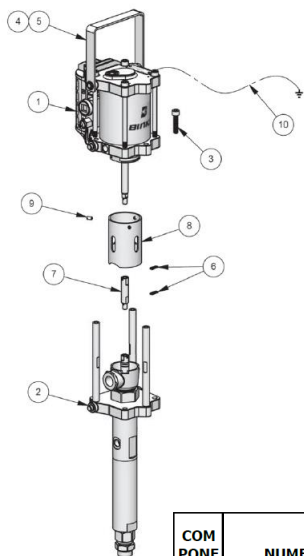
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COM PONENTE	NUMERO COMPONENTE	DESCRIZIONE	QUANTITÀ			
			MX432 & MXL432			
			PL	PP	PU	UC
1	AX85S	MOTORE PNEUMATICO AX85S	1	1	1	1
2	FX4PL/FXL4PL	SEZIONE FLUIDI (PTFE/PELLE)	1	-	-	-
	FX4PP/FXL4PP	SEZIONE FLUIDI (PTFE)	-	1	-	-
	FX4PU/FXL4PU	SEZIONE FLUIDI (PTFE/UHMW)	-	-	1	-
	FX4UC/FXL4UC	SEZIONE FLUIDI (U-CUP)	-	-	-	1
3	0115-010001 Δ	VITE A ESAGONO INCASSATO	3	3	3	3
4	0114-014351	IMPUGNATURA	1	1	1	1
5	0115-010272	ANELLO DI FISSAGGIO	2	2	2	2
6	0115-010099 •	GRAFFA DELLA BIELLA	2	2	2	2
7	0115-010656	ADATTATORE PER ASTA DEL MOTORE MX4	1	1	1	1
8	0115-010655	PROTEZIONE	1	1	1	1
9	166001	VITE DI REGOLAZIONE CON INTAGLIO	3	3	3	3
10	0114-011798	FILO DI TERRA	1	1	1	1



Brevetto 7,603,855.

SPECIFICHE - Pompa nuda	
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Massima pressione dei liquidi:	256 bar [3712 psi]
Portata per ciclo:	24 cc [0.8 oz]
Erogazione a 60 cicli/min:	1.4 l/m [0.4 US gal/m]
Consumo di aria a 20 cicli/min e a una pressione di ingresso dell'aria di 8 bar [116 psi]:	147 l/m [5.2 SCFM]
Massima velocità di ciclo continuo consigliata (cicli/min):	20
Raccordo ingresso aria:	3/8" BSP(f)
Raccordo ingresso fluidi:	MX-3/4" NPS(m), MXL-1/2" NPS(m)
Raccordo uscita fluidi:	M14x1.5(f)
Livello di rumorosità:	96.2 dB
Peso:	7.5 kg [16.5 lbs]
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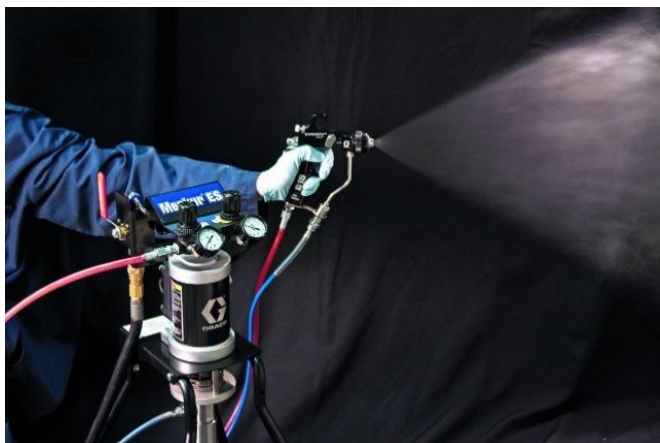


Sistemi di verniciatura industriale
automatismi ed impianti

Set for painting water-based products

www.cmspray.it

- *The quick wash system takes less than 1 minute*
- *45% less material required to fill the system compared to major competitors*
- *2 to 10 years of proven reliability of key system components*
- *Ensures a uniform and superior spray finish*
- *Low profile spray package is easy to carry*
- *Easy setting and monitoring of the pneumatic control, plus an integrated carrying handle*
- *The pneumatic motor ensures uniform finishes with quick and easy changes*
- *The filter and suction hose leave less material in the supply tank*
- *Lightweight 1/8-inch fluid hose reduces solvent and material consumption*



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Set for painting water-based products

Dati tecnici

Pressione massima di esercizio del fluido	
Pompe 15:1	10,3 MPa (103 bar, 1500 psi)
Pompe 30:1	20,7 MPa (207 bar, 3000 psi)
Massima pressione di ingresso dell'aria	0,7 Mpa (7,0 bar, 100 psi)
Rapporto	15:1 o 30:1 (vedere Modelli , pagina 3)
Temperatura massima del fluido	160 °F, 71 °C
Intervallo di temperatura aria ambiente	35-120 °F, 2-49 °C
Dimensioni ingresso aria pacchetto	3/8 npt(f)
Dimensioni uscita fluido pacchetto	1/4 npsm(m)
Velocità massima motore	240 cicli al minuto
(non superare la velocità massima raccomandata della pompa del fluido, per evitare l'usura prematura della pompa).	
Dimensioni massime orifizio ugello di spruzzatura	0,019" (0,483 mm)
Dati sulla rumorosità	
Motore pneumatico 24G693	
Potenza sonora*	83,2 dBA
Pressione sonora**	76,5 dBA
Motore pneumatico 24G694	
Potenza sonora*	84,5 dBA
Pressione sonora**	77,9 dBA
Parti a contatto con il fluido	
Pompe in acciaio placcato	Acciaio inossidabile, acciaio al carburo nichelato, carburo di tungsteno, ptfe, acetale, cuoio, polietilene ad altissimo peso molecolare
Pompe in acciaio inossidabile	Acciaio inossidabile, carburo di tungsteno, ptfe, acetale, cuoio, polietilene ad altissimo peso molecolare
Pistole di spruzzatura	Vedere il manuale 3A0149 (pistole con sup. pn. G15 e G40) o 311254 (pistola airless Silver Plus)
Flessibile fluido	Nylon, acciaio placcato o inossidabile
Gruppo di aspirazione	Acciaio inossidabile, nylon, acetale, fluoroelastomero, polietilene

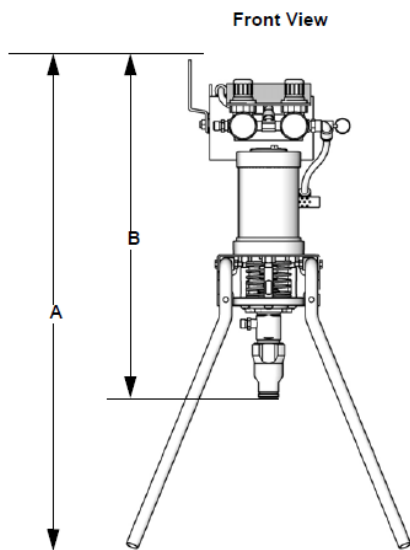
* Potenza sonora a 70 psi (0,48 MPa, 4,8 bar), 80 cpm. Potenza sonora misurata in base allo standard ISO-9614-2.

** Pressione sonora misurata a 3,28 piedi (1 m) dall'apparecchio.

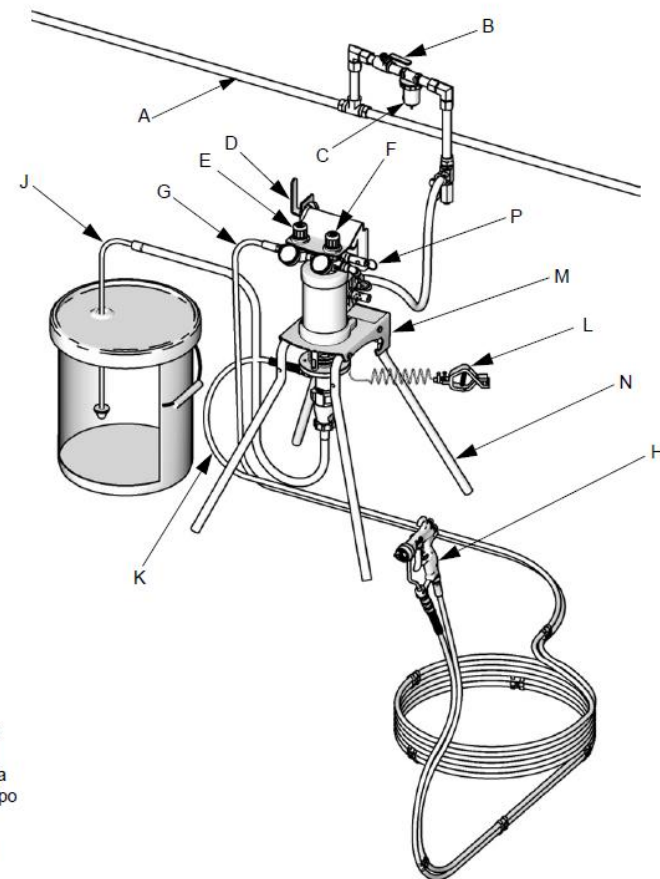
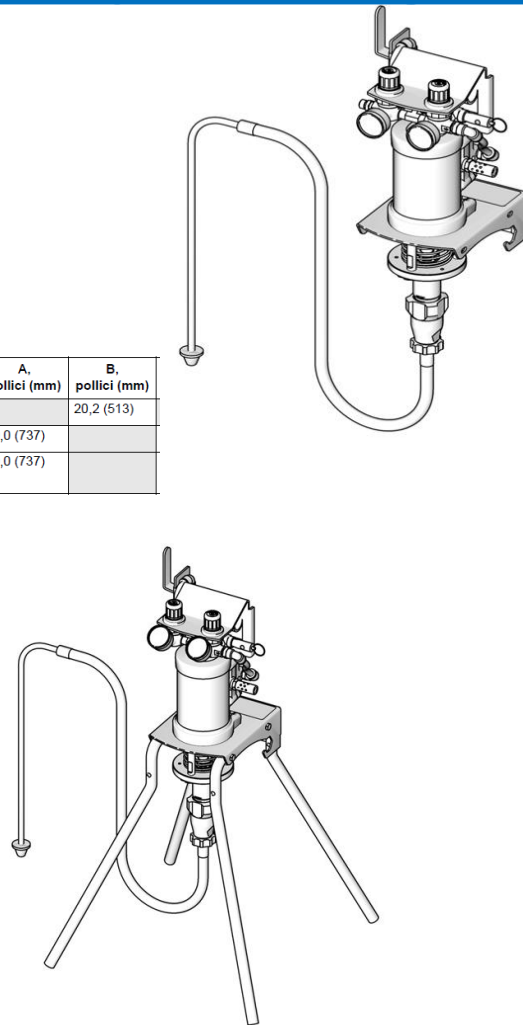


Set for painting water-based products

www.cmspray.it



Pacchetto	A, pollici (mm)	B, pollici (mm)
Montaggio a parete		20,2 (513)
Montaggio su supporto	29,0 (737)	
Montaggio su supporto con serbatoio	29,0 (737)	

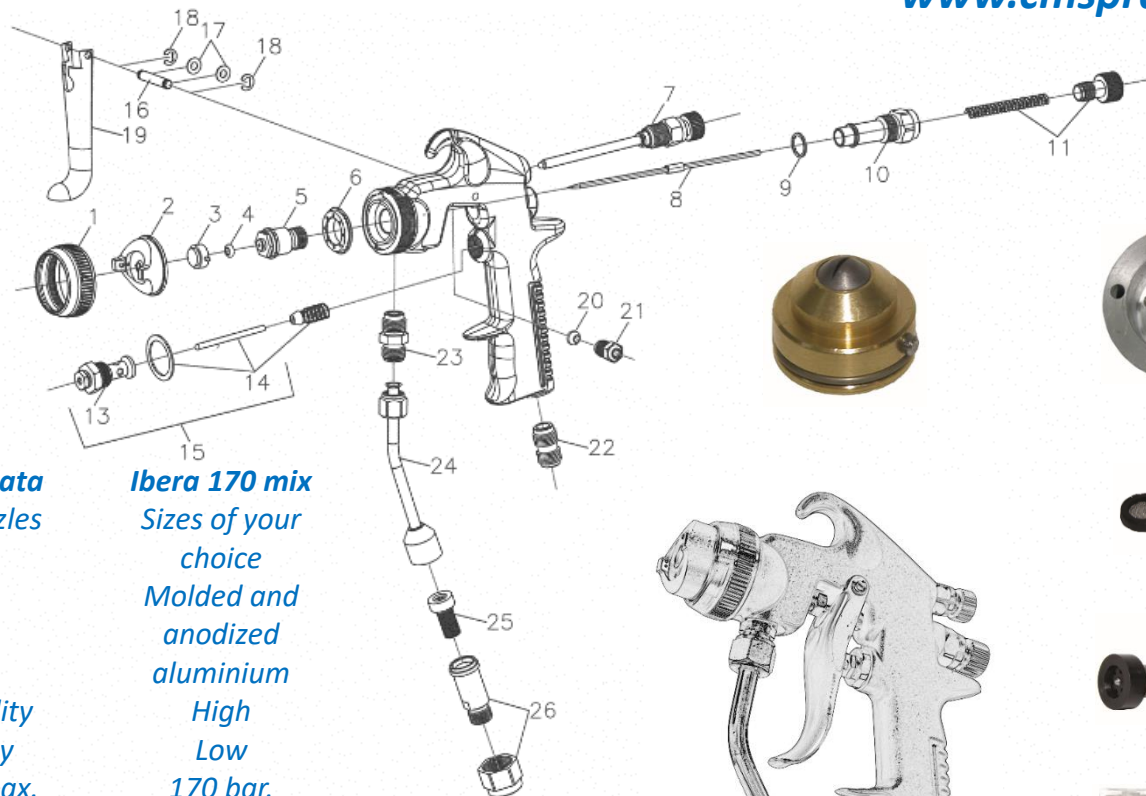


Legenda:

- A Linea di erogazione dell'aria principale
- B Valvola di intercettazione
- C Filtro dell'aria
- D Valvola dell'aria principale del tipo a spurgo (necessaria)
- E Regolatore di pressione dell'aria della pistola
- F Regolatore di pressione dell'aria della pompa

Airless+air manual gun

www.cmspray.it



Technical data
 Usable nozzles

Body

Finish quality
 Overspray
 Pressure max.

Product
 Max. Temperature di
 lavoro
 Weight
 Air inlet
 Product in

Ibera 170 mix
 Sizes of your
 choice
 Molded and
 anodized
 aluminium
 High
 Low
 170 bar.

50°
 575 gr.
 M ¼
 M¼



C.M. SPRAY S.R.L. Via T. Salsa, 10 z.i. 31030 CARBONERA (TV) ITALY

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Sistemi di verniciatura industriale
automatismi ed impianti

High pressure diaphragm pump

www.cmspray.it



Wagner Cobra 40-10 for aircoat/airmix spray painting

Technical features:

Gear ratio: 40:1

volume for double stroke: 10cm³max.

flow rate: 2.0 l/min at 200 double strokes

pressure: 250 bar

Accessories

Aircoat/Airmix AC 4600 Wagner spray gun

appliance filters and gun filters

double hose consisting of paint hose and air hose



Cobra

High-pressure double
diaphragm pump



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DIAPHRAGM PUMPS CATALOGUE

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BINKS



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DIAPHRAGM PUMPS CATALOGUE

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Double diaphragm or diaphragm pumps with high flow rate are the ideal and economical solution for painting. Developed to power electrostatic and/or conventional guns, they can pump water or solvent-based, abrasive, viscous or acidic materials. Versions available in aluminum, stainless steel or plastic materials. They present minimal pulsations during the exchange, rapid color changes and washing, require limited maintenance, with the possibility of customizing the equipment according to the different needs of the customer.



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DIAPHRAGM PUMPS CATALOGUE

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Double diaphragm pump designed specifically for finishing applications. Low pulsation delivery ensures smooth pump exchange, low friction design to minimize degradation of stress sensitive materials. Rugged construction of aluminum and stainless steel or your choice of plastic material handles a wide variety of fluids. Also available in 3:1 and 4:1 EnduraFlo versions with improved durability for abrasive materials and extreme operating conditions. Ideal solution for systems with repeated color changes and probeable. The redesigned diaphragm lasts longer and better resists extreme operating conditions. Also available with DataTrak.



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The DX200 or DX70 is a 1:1 diaphragm pump. Anodized aluminum body for solvent or water-based products. Stainless steel body for solvent, water and ceramic based products. Designed for manual or automatic fluid transfer, circulation or circulation and spraying operations with high or low viscosity materials up to 5 l/min. Supports up to 4 manual or automatic spray guns.

BINKS



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The diaphragm pump prevents paint leakage due to seal wear, allowing for a highly stable coating. Paint-containing parts have been significantly reduced for easy solvent cleaning during color changes, while paint waste and VOC emissions are significantly reduced. The flange is coated in fluorinated resin, making it even easier to clean than previous models. A small diameter suction hose allows you to use paint and solvent without waste and makes cleaning much easier. A pressure booster valve produces double the air pressure than the standard type, making it ideal for high viscosity paints such as water-based and hybrid paints. The paint path is constructed entirely of stainless steel, preventing corrosion with water-based paints, etc. In combination with a high viscosity regulator, the paint is supplied to the gun at a constant rate, ensuring uniform coating quality.



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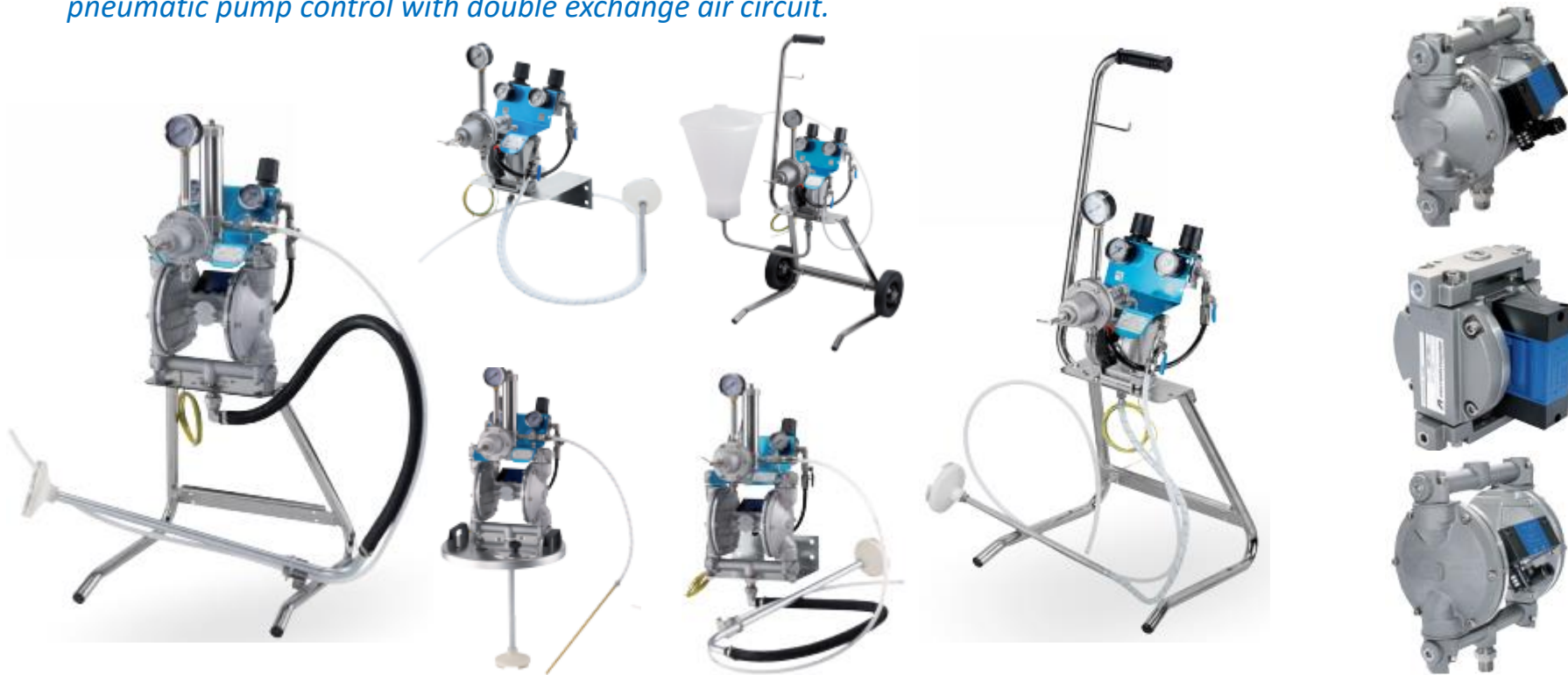
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Due to their requirements, double diaphragm paint pumps for low pressure applications are ideal in the body shop and general industry sectors. Fully pneumatic pump control with double exchange air circuit. Available in 3 different versions (Aluminum; Anodized Aluminum and Stainless Steel) Completely pneumatic pump control with double exchange air circuit.



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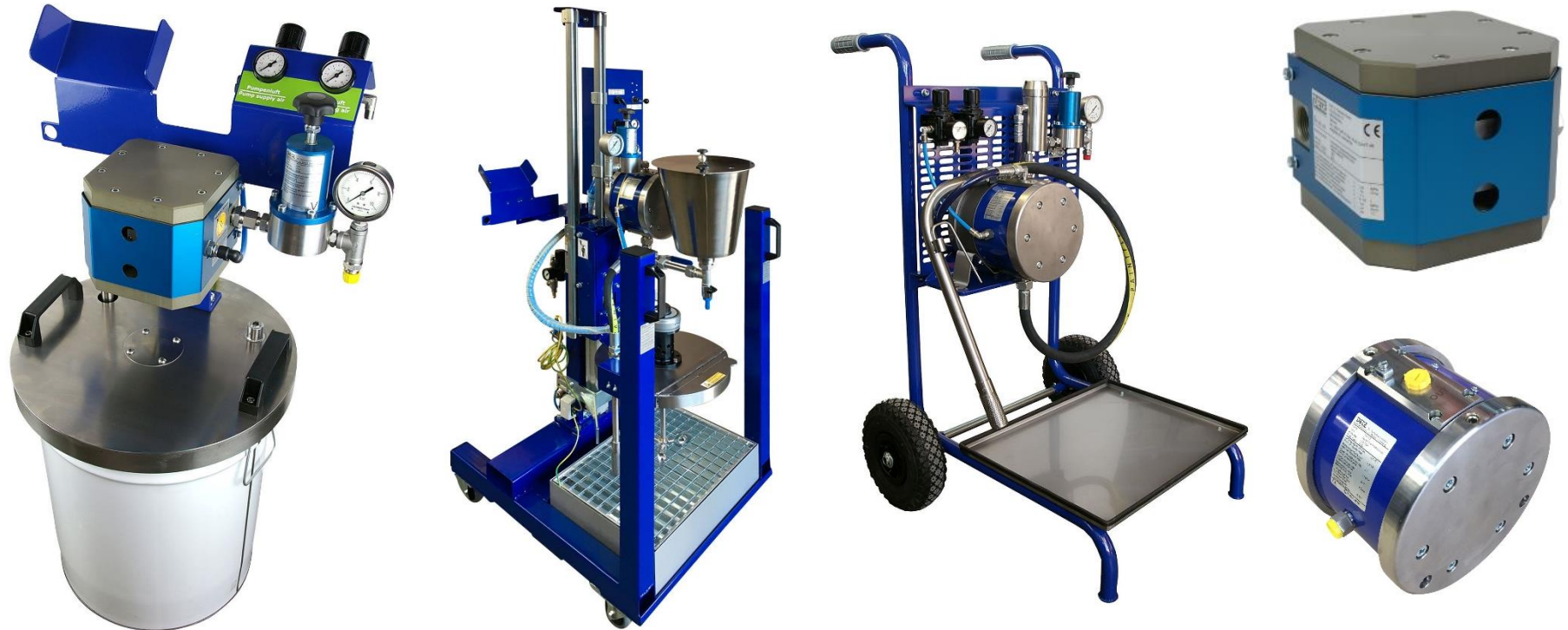
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Twin20 is an economical diaphragm pump capable of pumping materials with a pressure of up to 0.9 MPa. The dispensing chambers are made of wear-resistant, hard-coated aluminum, equipped with PTFE diaphragms. Double diaphragm pumps are ideal, for example, for pumping shear-sensitive materials. Due to their principle they are also characterized by being easy to wash. Application areas are represented by water- or solvent-based paints, sensitive materials, low to medium viscosity fluids. Advantages are ease of cleaning, low pulsation, compact design, stainless steel construction and are easy to maintain.



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DIAPHRAGM PUMPS CATALOGUE

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Double diaphragm pneumatic pump ideal for low pressure painting with atomization air or the transfer of low and medium viscosity fluids. Available in the BOXER plastic version. Two-component double diaphragm pneumatic pump ideal for low-pressure painting with atomization air for use with two-components, enamels, lacquers, primers and finishing paints of medium and low viscosity, in the wood and metal sectors. Mid range and good value for money.



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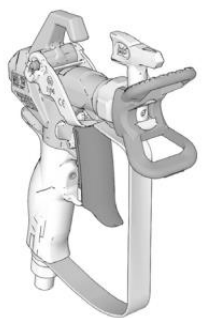
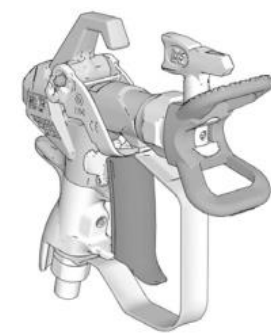
CM SPRAY s.r.l.



Tutte le unità sono dotate di tubo da 30 METRI



Tutte le unità sono dotate di tubo da 15 METRI



Ugello verde per finiture ottimali a bassissima pressione



Ugello blu airless per massima produttività



Ugello marrone per usi gravosi



Ugello giallo per tracciatore airless

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CM SPRAY s.r.l.



CHARACTERISTICS:

Voltage / Frequency: 230 V / 50Hz,

- Motor with permanent magnet: 1.2HP 900w
- * Reg. pressure from 0 to Max 227bar / 3300psi
- * Nozzle size: from 0.023"
- Max flow rate mod, airless: 2.0 L / min
- Product viscosity: less than 60s
- Standard hose length: 15M
- Weight: G.W.: 23KGS

- Wallpaintings
- Fireproof
- Inorganic galvanizers
- Bituminous sheaths
- Enamels
- Epoxies
- Epoxyvinyl
- Elastomers



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CM SPRAY s.r.l.

New series of hydraulic piston pumps with petrol engine for heavy duty. Ideal for the application of water-based paints without dilution, waterproofing, high viscosity paints. Great flow rate, minimal maintenance.

TITAN



Range: 12,5 lpm
Maximum nozzle at 170 bar 0.60"
Maximum nozzle with 2 guns (3 guns) 0.40" (0.35")
Maximum nozzle with 4 guns (5 guns) 0.29" (0.25")
Maximum nozzle with 6 guns 0.21"
Max pressure 274bar
Weight 184 Kg
Honda Engine Power 13 Hp
Cycles per liter 3,5 cpl



6.74 lpm (8.14 lpm)
0.43" (0.48")
0.33" (0.36")
0.23" (0.26")
228bar
74,8 Kg (67,6 Kg)
120 Mt.
2.2 Hp (5.5 Hp Honda)
14



6.14 lpm (6.14)
0.39" (0.43")
0.25" (0.28")
0.19" (0.22")
228bar
63 Kg (59 Kg)
120 Mt.
2.2 Hp (4 Hp Honda)
23



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CM SPRAY s.r.l.

Airless electric diaphragm painting system, different flow rates of liters per minute, reliable pumps, easy maintenance and excellent yield. Customizable versions according to your needs.

10LT VERSION FEATURES:

- CE ELECTRIC MOTOR EQUIPPED WITH MOTOR PROTECTION
- POWER: 1.8 KW
- SINGLE PHASE 230 V 50 HZ
- NOISE LEVEL ACCORDING TO CE STANDARDS (75 DB)
- MAXIMUM PRESSURE: 220 BAR
- MAXIMUM SPRAY NOZZLE HOLE DIAMETER: 0.41"



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CM SPRAY s.r.l.

- Pitture murali
- Smalti
- Impregnanti



Overall height (cm)
Overall height (mm)
Chassis configuration
Convertible
Hose Diameter (in.)
Hose inlet diameter (cm)
Hose Inlet Diameter (in.)
Hose inlet diameter (mm)
Fluid Hose Inside Diameter (in.)
Maximum nozzle size (cm)

55.9
558.8000
Supporto DI
Not convertible
1/4
0.635
1/4
6.35
1/4
0.0533



G
GRACO



**Cordless and brushless
portable airless sprayers**

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La serie HVLP completa la gamma di prodotti Airlessco, una varietà di macchinari che consente di realizzare lavori di verniciatura dettagliata con qualità ottimale e minima dispersione eccessiva di vernice. Entrambe le turbine sono spedite con pistole della migliore qualità, un serbatoio da un litro, un condotto dell'aria flessibile e un regolatore di velocità del motore.

La HV4000 Luxe è alimentata da una turbina a 4 fasi e dotata delle ultime funzioni tecnologiche, con turbine che si spengono automaticamente se non è necessaria aria nella pistola.

HV3000 COMFORT



- APPLICAZIONI:** Piccoli lavori di finitura su legno e metallo
SPRAY: Materiali a base d'acqua o solvente (smalti, lacche..)
UTILIZZO: Fino a 20m² al giorno
CARATTERISTICHE:
- Comoda luce e turbine a 3-fasi trasportabili
 - Controllo della velocità delle turbine
 - Pistola leggera, convertibile dalla funzione di aspirazione a quella a gravità.
 - Rapporto aria/fluido regolabile autonomamente dal grilletto della pistola
 - Regolatore della direzione e dell'ampiezza del ventaglio direttamente dall'ugello
 - Facile ricambio dell'astina
 - Filtraggio dell'aria
- INCLUDE:** Tubo di 6 metri e una pistola con serbatoio da 1 L



- APPLICAZIONI:** Piccoli lavori di finitura su legno e metallo
SPRAY: Materiali a base d'acqua o solvente (smalti, lacche..)
UTILIZZO: Fino a 20m² al giorno
CARATTERISTICHE:
- Comoda luce e turbine a 3-fasi trasportabili
 - Controllo della velocità delle turbine
 - Pistola leggera, convertibile dalla funzione di aspirazione a quella a gravità.
 - Rapporto aria/fluido regolabile autonomamente dal grilletto della pistola
 - Regolatore della direzione e dell'ampiezza del ventaglio direttamente dall'ugello
 - Facile ricambio dell'astina
 - Filtraggio dell'aria
- INCLUDE:** Tubo di 6 metri e una pistola con serbatoio da 1 L



HV4000 LUXE



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Sistemi di verniciatura industriale
automatici ed impianti

Multi-brand assistance and repairs

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The C.M. Spray srl in its headquarters offers the possibility of carrying out assistance and repairs for all types of equipment with the use of original spare parts, thanks to a highly experienced technical staff capable of intervening and solving problems of breakage or consumption in a very short time of the parts, of your machinery. Interventions can also be carried out at customer sites with the programming of the period and annual maintenance contracts can also be stipulated with the planning of the interventions to be carried out.

Original spare parts:



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Mob. 3484501993

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Characteristics

Capacità serbatoio	10 litri	15 litri	25 litri	45 litri	62 litri
Tensione alimentazione	230V/1/50 - 60 Hz +/- 2%				
Tensione comandi	Bassissima tensione 24V =				
Potenza installata	W 1570	W 1570	W 2570	W 3270	W 3270
Temperatura d'esercizio	50° - 190°C				
Riscaldamento indiretto ad olio diatermico	MOBILTHERM 605				
Quantità olio diatermico	6 litri	7,5 litri	14 litri	24 litri	28 litri
Raffreddamento	A ventilazione forzata d'aria				
Impianto elettrico norme	EN 50014 - EN 50015 EN 50018 EN 60079-10				
Peso	Kg.55	Kg.60	Kg. 75	Kg.100	Kg. 115
Temperatura ambiente di lavoro	+5 / +40				
Precisione lettura sonde	+/- 2°				



SOLVENTS DISTILLERS



Solvent regenerators allow the recovery of exhausted solvents used in the various production cycles, allowing their reuse. The regeneration of solvents occurs through distillation, the exhausted solvent is brought to the boil and then condensed in a heat exchanger cooled by forced air ventilation. This type of operation allows you to separate the volatile fraction (solvent) from the contaminant (pigments, resins, oils, etc.) that remains in the tank. The distillation residues are removed from the tank at each end of the cycle, by tilting the regenerator or using the special bags supplied by us on request. The cycle is completely automatic, as once the work thermostats have been calibrated to the temperature suitable for treating the exhausted solvent, it will stop when all the solvent has evaporated. Regenerators normally work at atmospheric pressure, however, in the presence of high-boiling or thermolabile solvents it is possible to combine a vacuum generator to significantly lower the working temperature.

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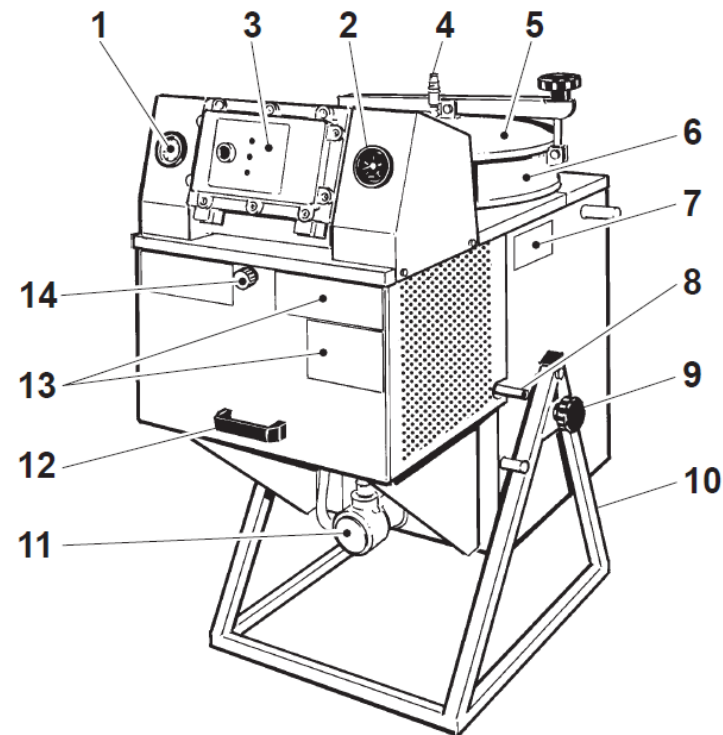
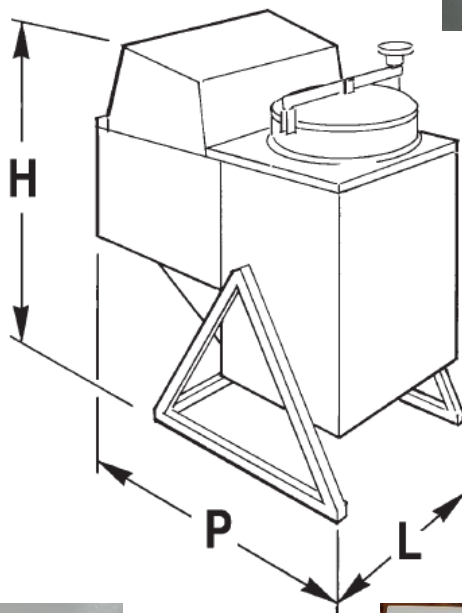
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3.2 DIMENSIONI ED INGOMBRI

mm	L	P	H
IST10	500	720	1050
IST15	500	720	1050
IST22	600	850	1100
IST42	650	950	1200
IST62	650	950	1200



1 - TERMOMETRO OLIO
Indica la temperatura dell'olio
diatermico

2 - TERMOMETRO SOLVENTE
Indica la temperatura di
evaporazione del solvente

3 - QUADRO DI COMANDO

4 - VALVOLA DI SICUREZZA

5 - COPERCHIO SERBATOIO

6 - SERBATOIO SOLVENTE

7 - TARGHETTA IDENTIFICAZIONE
OLIO DIATERMICO

8 - TUBO USCITA SOLVENTE
DISTILLATO

9 - POMELLO BLOCCAGGIO
ROTAZIONE

10 - BASAMENTO

11 - RESISTENZA ELETTRICA

12 - MANIGLIA

13 - SIMBOLI DI AVVERTENZA

14 - TAPPO SFIATO

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Sistemi di verniciatura industriale
automatici ed impianti

Painting systems *Catalog Compatible spare* *parts*

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Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems

Nozzles



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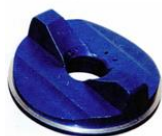
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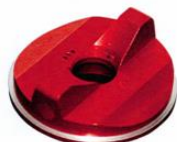
Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems

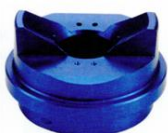
Spare parts W



CAPPELLO ARIA LV



CAPPELLO ARIA LV



Cappello aria HV



Cappello aria LV



GHIERA TIPO W3000 GRANDE



GUARNIZIONE TEFLON GRAFFITTATO

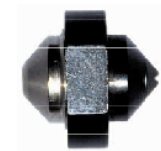
GUARNIZIONE TEFLON



GHIERA PICCOLA



UGELLO MIX
AC 2000 2600



UGELLO MIX TIPO
ACF3000 - 4000



UGELLO
AIRCOAT



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CAPPELLO
ARIA BX16



CAPPELLO
ARIA VX14



CAPPELLO
ARIA VX54



CAPPELLO
ARIA BX 116



CAPPELLO
ARIA VX 114



AGHI
PULIZIA UG.



UGELLO
MATERIALE



AGO
COMPLETO



GUIDA
AGO



CARTUCCIA
COMPLETA



VITE



GHIERA PER
CAPPELLO
ARIA



- (1) Kit 10 O-Ring Teflon (10pz)
- (2) Kit 10 O-Ring (10pz)
- (3) Guarnizione sede (10pz)
- (4) O-Ring (10pz)
- (5) Guarnizione bianca, sede in polyfluid
- (6) Guarnizione Teflon (10pz)
- (7) Guarnizione (10pz)
- (8) Guarnizione (10pz)
- (9) Guarnizione (2pz)
- (10) Sede in resina acetale (2pz)
- (11) Sede in resina acetale (10pz) per ago



Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems

Spare parts G & O



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Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems Accessories and spare parts



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Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems

Pipes



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Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems

Paints filtration



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Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems

Air filtration



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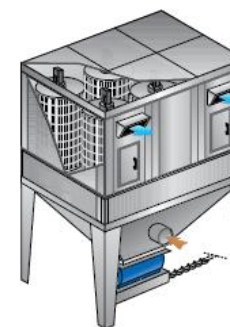
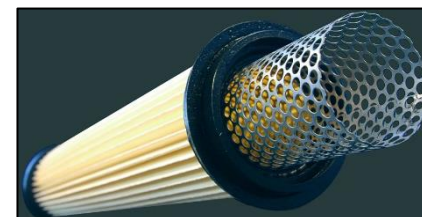
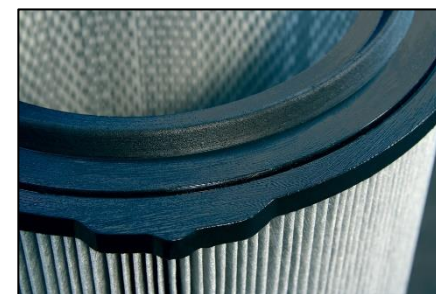
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Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems

Filter cartridges



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Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems Components



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CARLISLE
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BINKS


EUROTECHNIK
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SURFACE TECHNOLOGY GROUP

ms
MS Oberflächentechnik AG

Ransburg

DEVILBISS

 **RAMSEIER
KOATINGS**

schütze
SPRAYTECHNOLOGY

DeFelsko
Inspection Instruments

 **ANEST
IWATA**

LARIUS
SAMOA Group

Altair
CLEAN AIR TECHNOLOGY

JAFE

 **ASAHI
SUNAC**

I·B·K

TECNOVER s.n.c.

EXITFLEX
Swiss Technology

 **BYK**

3M



Sistemi di verniciatura industriale
automatismi ed impianti

POWDER COATING SYSTEMS AND PLANTS



C.M. SPRAY S.R.L. Via T. Salsa, 10 z.i. 31030 CARBONERA (TV) ITALY
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Topcoater

Electrostatic generation

Innovative manual and automatic powder coating systems, for quality painting, speed of execution and paint savings



- *Suction of dust directly from the original container to allow quick color changes*
- *Robust trolley with vibrating plate and efficient suction system*
- *Patented corona feedback system ensures high quality painting without the need for additional accessories*
- *Ultra-light powder gun (380g) reduces operator fatigue*
- *Balanced and ergonomic gun design*
- *Latest generation digital technology for high voltage 0–100 kV / 1–100 Ma*
- *Wide range of multifunctional nozzles for fine spraying and thickness uniformity, even with metallic powders*
- *Touchscreen with intuitive screen and controls*
- *Powder feeding with automatic dosing*
- *Easy storage of up to 999 programs*
- *Pre-stored standard programs for priming, re-painting, metallic powder and parts with difficult geometry*
- *Diagnostic functions for cascade and device control*
- *Complies with ATEX regulations*

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Manual and Automatic gun



S4 Generator Controller:

Power supply (AC) 100-240 VAC / 50 - 60 Hz

Inlet air pressure 6 - 8 bar / 90-120 PSI

Dimensions B x H x T 200x120x280 mm

Weight 4.1kg

IP 64 protection rating

Tribo / Corona connection

M4 Manual powder gun:

Weight 380g

Length 350 mm

Output voltage 100 kV

Negative Polarity Corona

IP 64 protection rating

Powder delivery up to 450g/min.

A4 automatic powder gun:

Weight 380g

Length 350 mm

Output voltage 100 kV

Negative Polarity Corona

IP 64 protection rating

Powder delivery up to 450g/min.

Round Spray Nozzle Extension 500 mm



Round Spray Nozzle Extension 300 mm



Round Spray Nozzle Extension 150 mm



Round Spray Set



Flat Spray Set



Flat Spray Nozzle Extension 150 mm



Flat Spray Nozzle Extension 300 mm



Flat Spray Nozzle Extension 500 mm



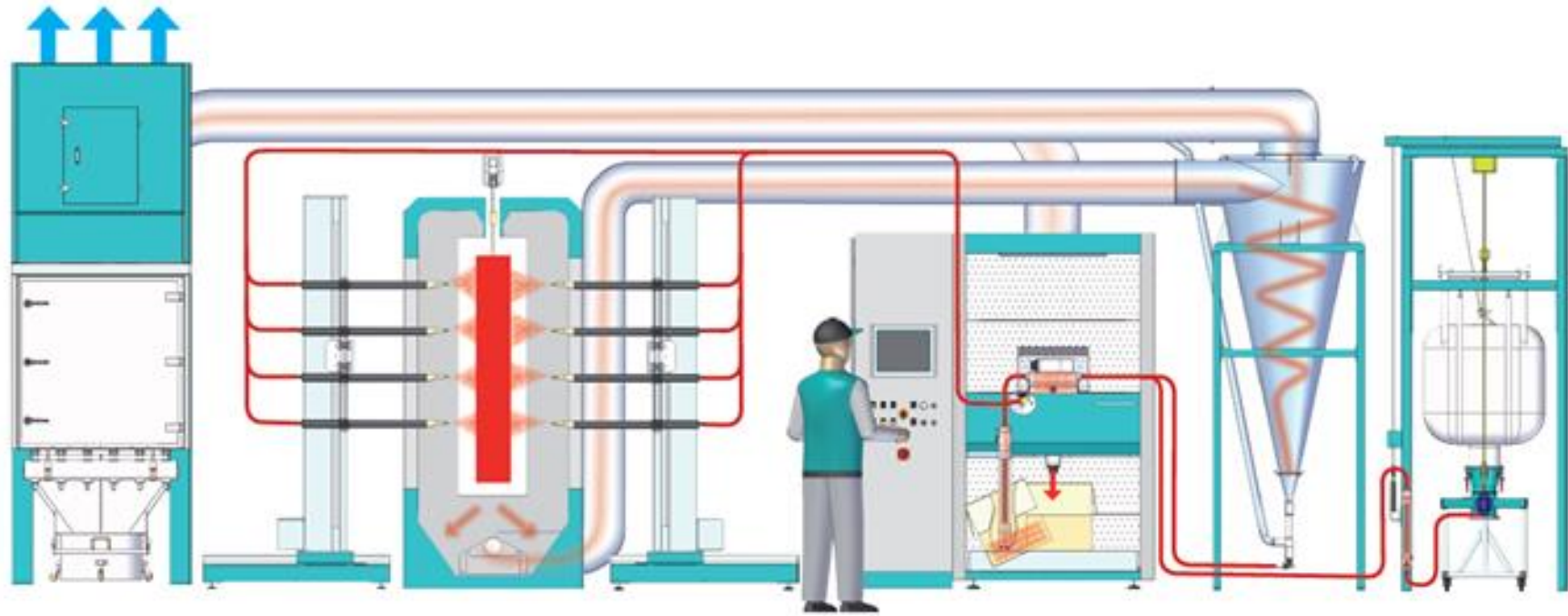
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Complete solutions for powder coating: Spraybooth - robot - dust center - cyclone - final filter



Final dust filter

**Reciprocator
 double axis of
 movement**

**Rapid Change
 color booth**

**Control panel
 with Touch Panel**

Powder Center

**Powder
 recovery
 cyclone
 Power pump**

Big Bag

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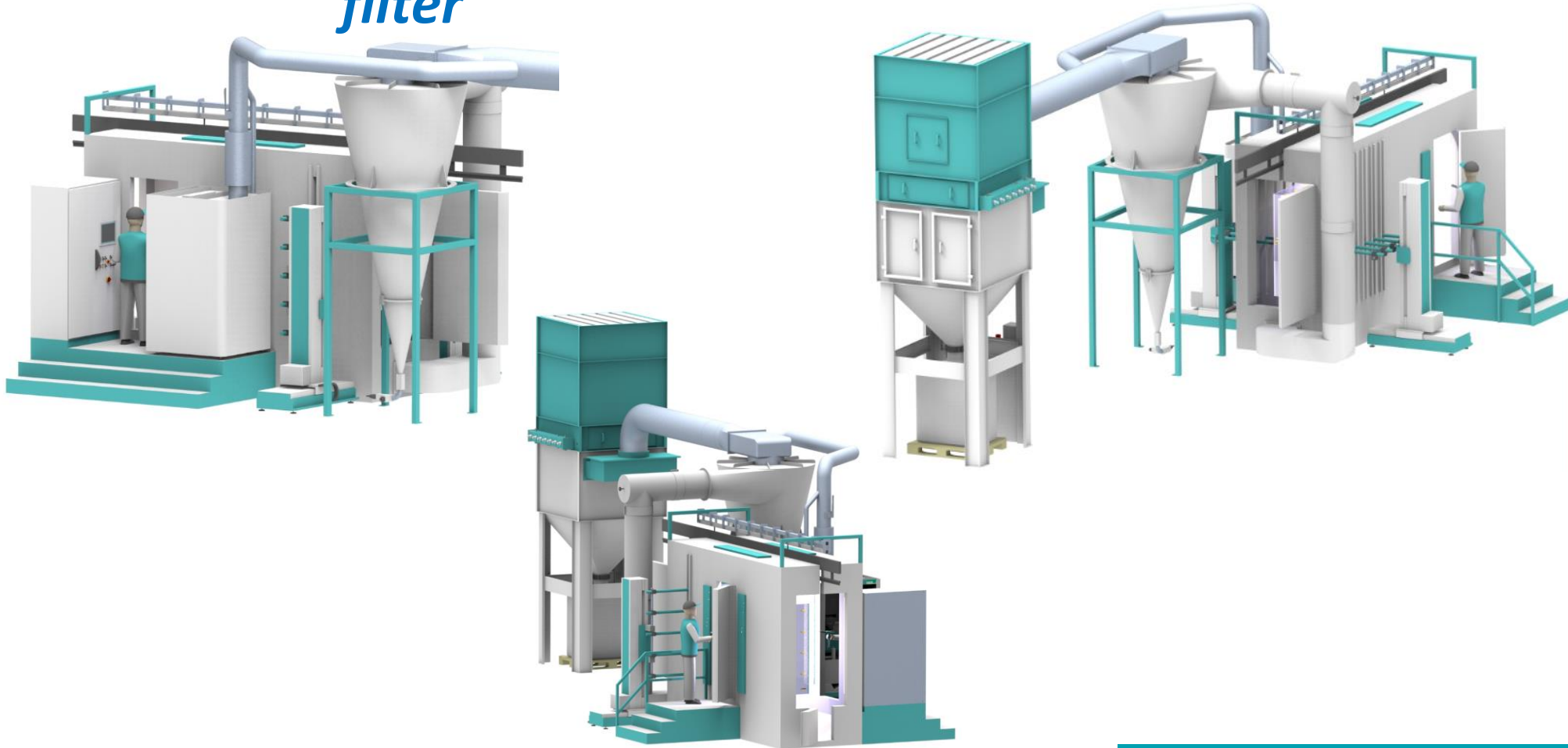
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Sistemi di verniciatura industriale
automatismi ed impianti

Complete solutions for powder coating: Booth - robot - powder center - cyclone - final filter



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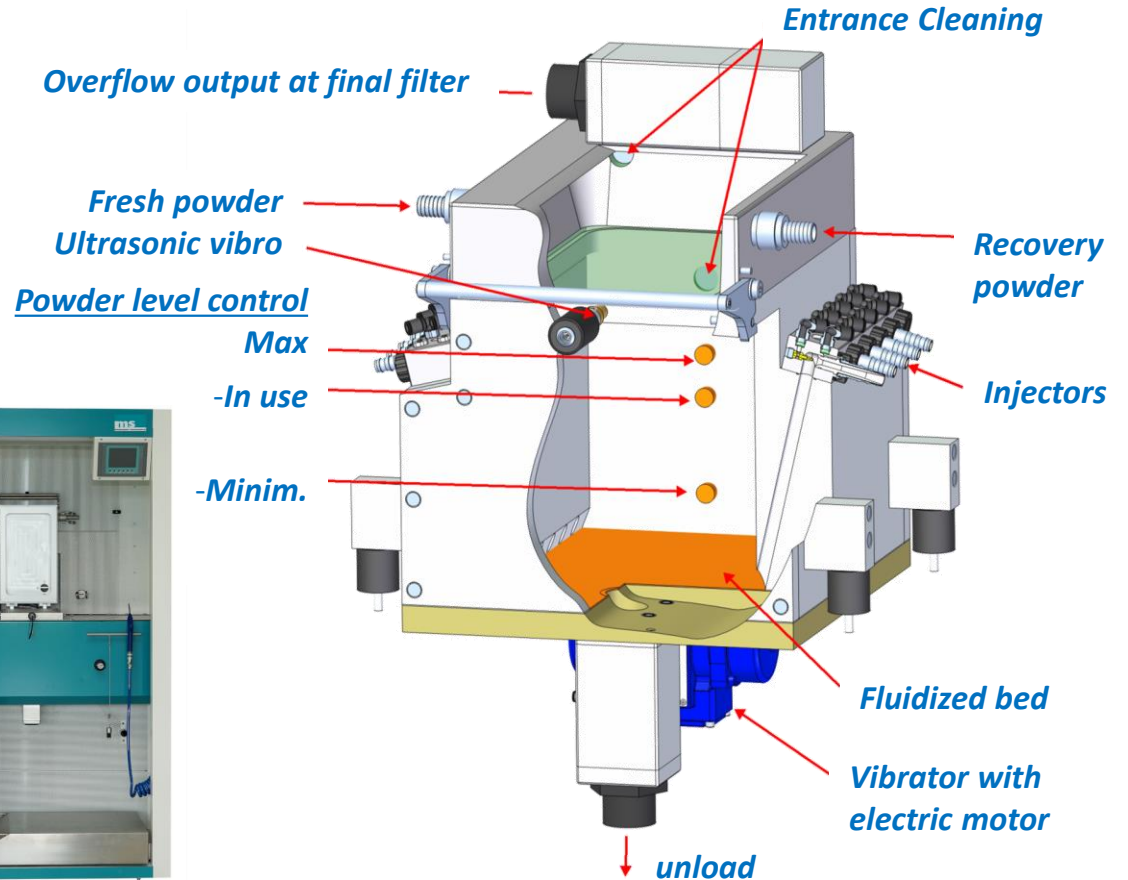
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Automatic powder center

Sistemi di verniciatura industriale
 automatismi ed impianti



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Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems *Catalog Masking*



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Sistemi di verniciatura industriale
automatismi ed impianti



ALTEZZA SIZE	LUNGH. LENGTH	PZ. SCAT. RLS BOX
5 mm	55 m	150
10 mm	55 m	100
12 mm	55 m	80
15 mm	55 m	70
20 mm	55 m	50
25 mm	55 m	40
30 mm	55 m	40
35 mm	55 m	30
40 mm	55 m	30
45 mm	55 m	30
50 mm	55 m	30
80 mm	55 m	20
100 mm	55 m	10
150 mm	55 m	10



Nastro verde 204 °C. Per rivestimenti in polvere e applicazioni di anodizzazione.

Una volta rimosso lascia una superficie pulita, senza residui di adesivo. 0,05 mm di poliestere, 0,04 mm di adesivo.

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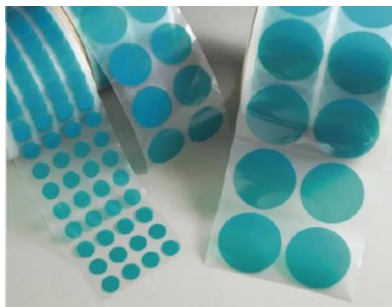
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Sistemi di verniciatura industriale
automatismi ed impianti

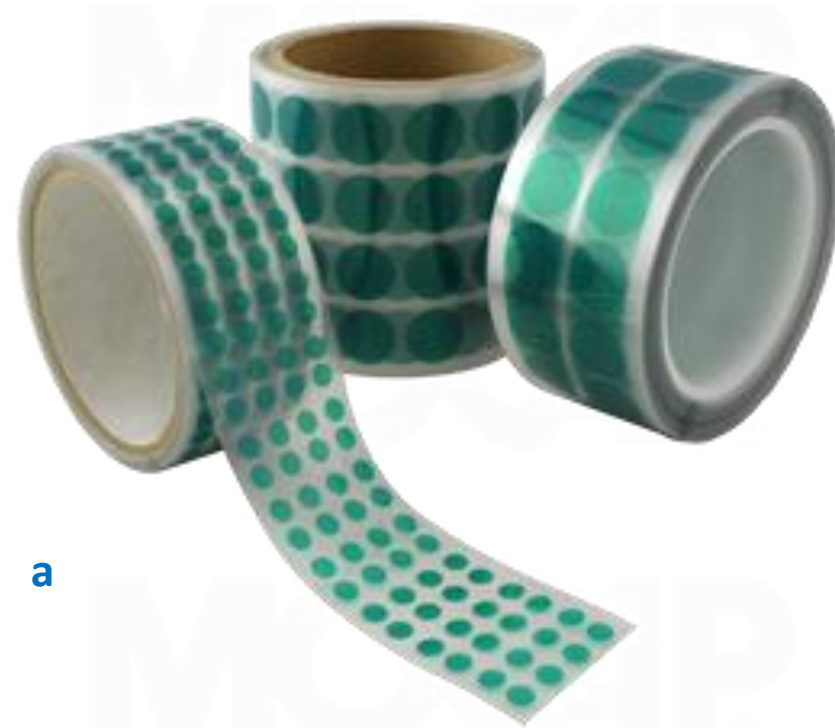


DIAM. mm DIAM. mm	PZ. ROT. PCS.ROLL
3	2000
4	2000
5	2000
6	2000
7	2000
8	2000
9	2000
10	2000
11	2000
12	2000
13	2000
14	2000
15	2000
16	2000



Disponibili fino a
diametro 500mm

Painting systems Sticker



Dischi adesivi per rivestimenti in polvere in nastro 204 °C.

Per rivestimenti in polvere e applicazioni di anodizzazione. Una volta rimosso lascia una superficie pulita, senza residui di adesivo.


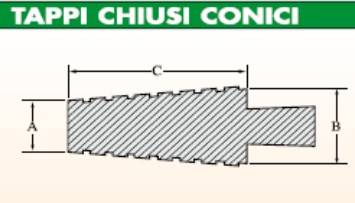
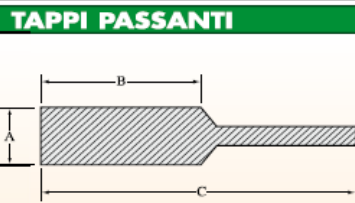
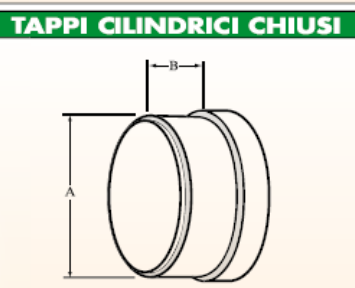
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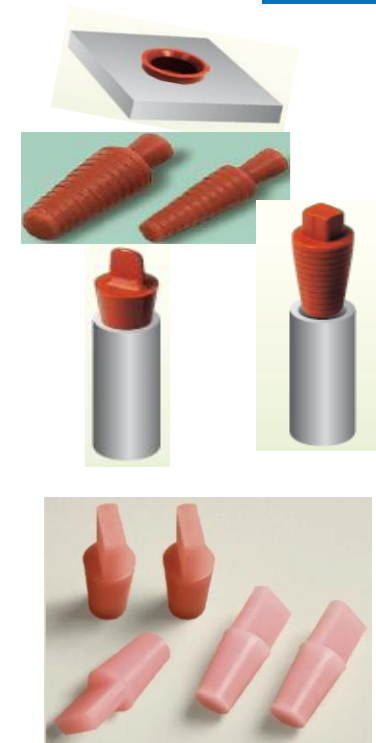
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TAPPI APERTI CONICI		CODICE	A Ø mm	B Ø mm	C mm	CONFEZ. pz.
		TA026	26	30	30	500
		TA028	28	32	30	500
		TA031	31	38	31	500
		TA034	34	44	40	500
		TA038	38	48	40	500
		TA048	48	57	30	500
TAPPI CHIUSI CONICI		CODICE	A Ø mm	B Ø mm	C mm	CONFEZ. pz.
		TC030	2	5	20	1000
		TC050	3	7	20	1000
		TC070	5	9	22	1000
		TC100	8	12	25	1000
		TC140	12	16	25	750
		TC180	14	20	30	750
		TC200	18	24	35	750
		TC250	23	27	35	750
TAPPI PASSANTI		CODICE	A Ø mm	B Ø mm	C mm	CONFEZ. pz.
		TP030	2,5	15	35	1000
		TP040	3,5	16	38	1000
		TP050	4,3	17	40	1000
		TP060	5,3	25	50	1000
		TP080	7,0	30	60	1000
		TP090	8,0	30	60	1000
		TP100	8,8	35	70	1000
		TP120	10,5	40	80	1000
TAPPI CILINDRICI CHIUSI		CODICE	A Ø mm	B Ø mm		CONFEZ. pz.
		TCC009	9	5		1000
		TCC010	10	5		1000
		TCC012	12	5		1000
		TCC016	16	10		1000
		TCC020	20	10		1000
		TCC025	25	10		1000
		TCC025L	25	15		1000
		TCC032	32	10		1000
		TCC040	41	11		500
		TCC046	46	12		500
		TCC052	51	13		500
TCC060	58	14		500		

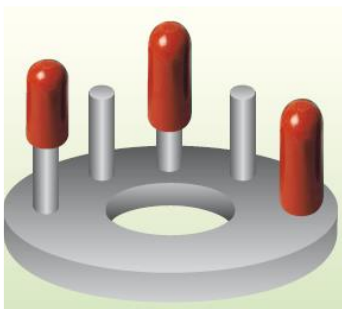


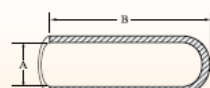
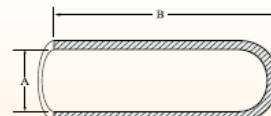
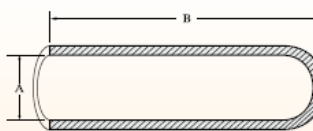

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CAPPUCCI - mini	CODICE	A Ø mm	B mm	CONFEZ. pz.
	CC030	• 3	25	1000
	CC040	• 4	25	1000
	CC050	• 5	25	1000
	CC060	• 6	25	1000
	CC091	• 9	25	1000
CAPPUCCI - medi	CODICE	A Ø mm	B mm	CONFEZ. pz.
	CL050	• 5	50	1000
	CL060	• 6	50	1000
	CL080	• 8	50	1000
	CL100	• 10	50	1000
	CL120	• 12	40	1000
	CL140	• 14	40	1000
	CL160	• 16	40	1000
	CL180	• 18	40	1000
	CL200	• 20	50	1000
CAPPUCCI lunghi - maxi	CODICE	A Ø mm	B mm	CONFEZ. pz.
	CLM120	• 12	75	500
	CLM140	• 14	75	500
	CLM160	• 16	80	500
	CLM180	• 18	80	500
	CLM200	• 20	90	500
	CLM230	• 23	90	500
	CLM250	• 25	90	500
	CLM270	• 27	90	500
	CLM300	• 30	90	500
	CLM400	• 40	120	250
CAPPUCCI APERTI	CODICE	A Ø mm	B mm	CONFEZ. pz.
	CA091	• 9	7	1000
	CA092	• 9	10	1000
	CA200	• 19	19	1000



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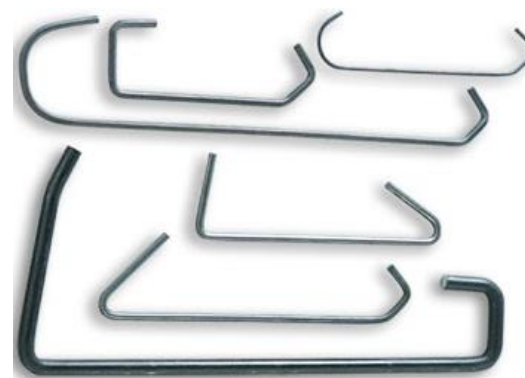
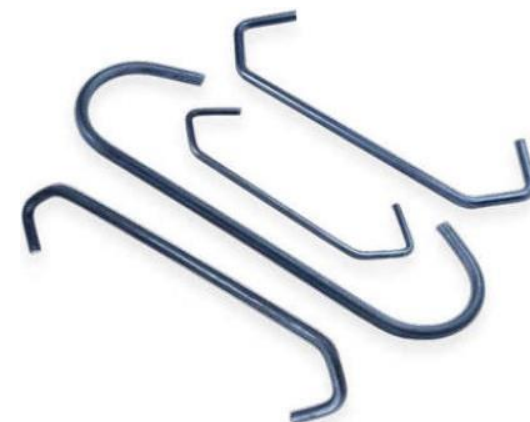
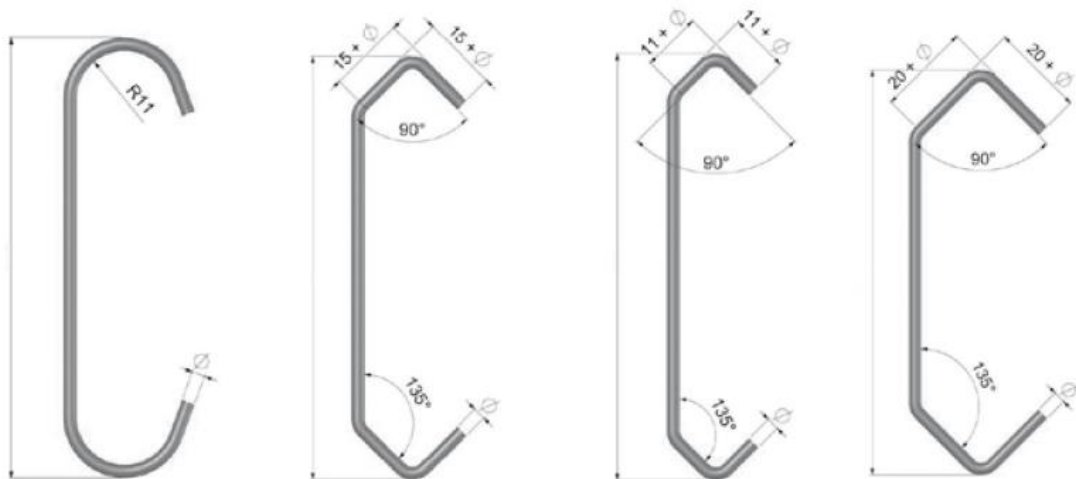
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Painting systems

Hooks



**LUNGH
 LENGTH**

- 60 mm
- 75 mm
- 100 mm
- 150 mm
- 200 mm
- 250 mm
- 300 mm
- 350 mm
- 400 mm

Diametri standard
1,5 – 2 – 3 – 4 – 5mm

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Sistemi di verniciatura industriale
automatismi ed impianti

Painting systems

Cyclone cleaning dust

CARATTERISTICHE PRINCIPALI

- Produce molta meno polvere dei prodotti vegetali o delle sfere di vetro nelle operazioni di pulizia, facilmente visibile nell'ambiente di lavoro.
- Usata correttamente, non consuma le superfici, prolunga la vita delle attrezzature e degli stampi che, a seconda delle dimensioni possono essere molto costosi.
- Sbava efficacemente e velocemente i componenti elettronici, facendo risparmiare anche sui costi di smaltimento dei prodotti chimici.
- Sbava particolari in alluminio, zinco, magnesio, senza danneggiare le superfici o alterare in forma critica le tolleranze.
- I granuli sono trattati con soluzioni antistatiche che aiutano a mantenere basso il livello di polvere, di carica statica, lasciando puliti i particolari e le superfici.
- I granuli a bordo tagliente puliscono più rapidamente dei gusci, con notevole risparmio finanziario.
- I granuli plastici non sono tossici, non provocano silicosi, migliorano le condizioni ambientali di lavoro.
- Possono essere usati in attrezzature standard a getto o a turbina.

APPLICAZIONI

- Sverniciatura di particolari aeronautici , sbavatura di componenti elettronici stampati
- Pulizia di stampi in acciaio ed alluminio nell'industria della gomma e della plastica.
- Asportazione di residui di verniciatura a polveri ricotte o in forno.
- Sverniciatura di imbarcazioni o suoi componenti.
- Sverniciatura e pulizia di particolari metallizzati sotto vuoto.
- Pulizia di sigillanti ed adesivi da superfici metalliche



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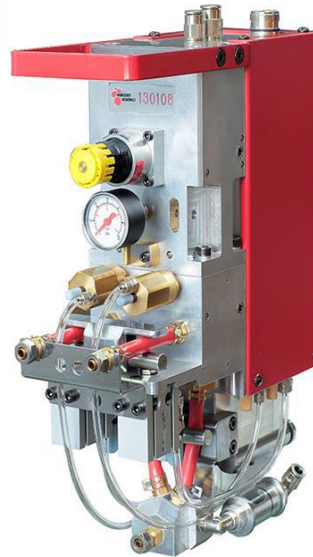


Sistemi di verniciatura industriale
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POWDER COATING SYSTEMS AND PLANTS

Soft Spray

Innovation for powder coating



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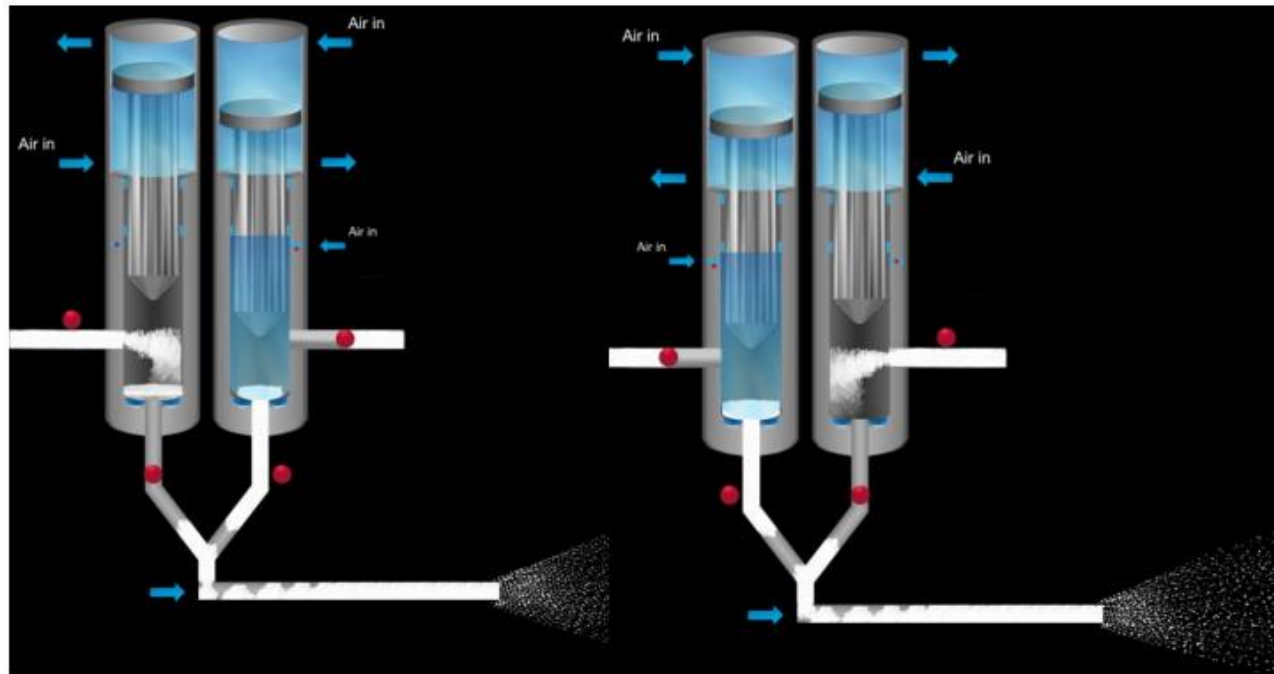
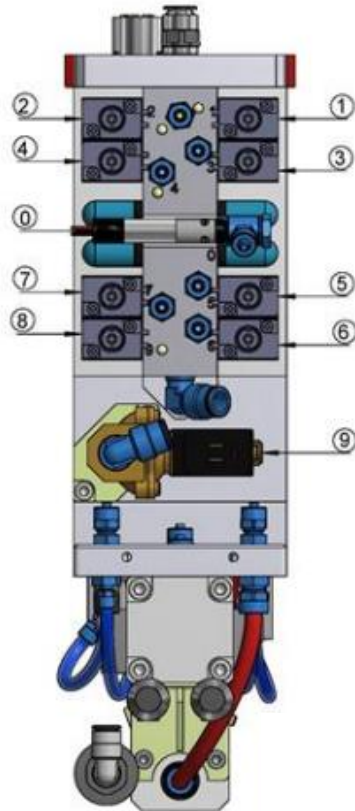
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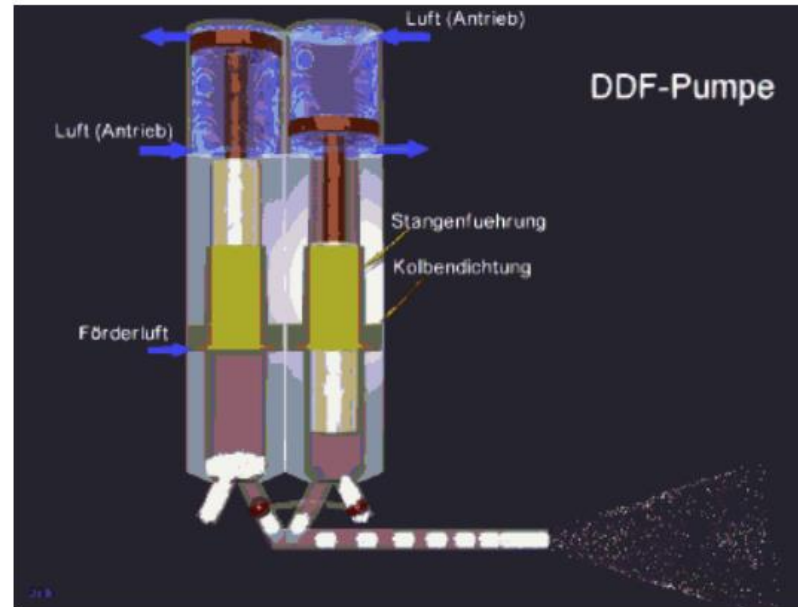
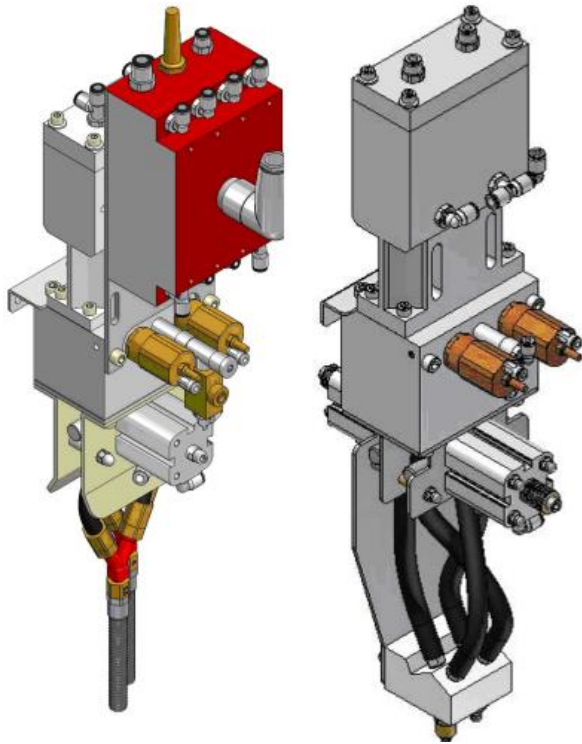
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DDF4 Principio de Funcionamiento



DDF2 Principio de Funcionamiento



Pol. Ind. Salinas, C/ Valencia 12A – 08830 Sant Boi de Llobregat (Barcelona – España)

Advantages of the DDF pump system compared to Venturi injector technology

Soft powder spray, therefore better transfer efficiency

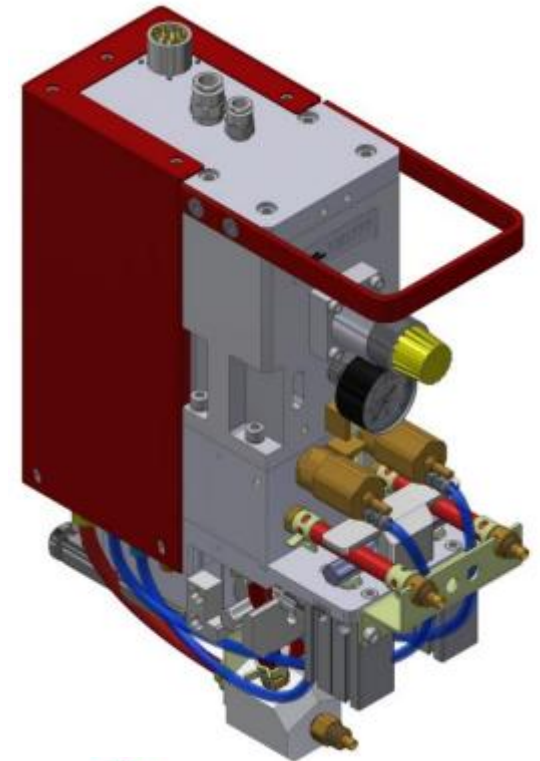
DDF – Pumpe
Pulverausstoß 110 g / min



Injektortechnik
Pulverausstoß 150 g / min



- Minimal return effect
- Better charge of extrafine dust particles
- Better penetration into difficult areas with low powder speed
- Low Overspray, therefore little dust in the booth and speed in cleaning



Advantages of the DDF pump system compared to Venturi injector technology

Few parts subject to wear



Injectors, replacement approx. every 4 weeks

Y-piece on DDF pump replacement approx. 1 year (for one work shift)

Replacement of powder hose with injector technology: minimum 1 time/year

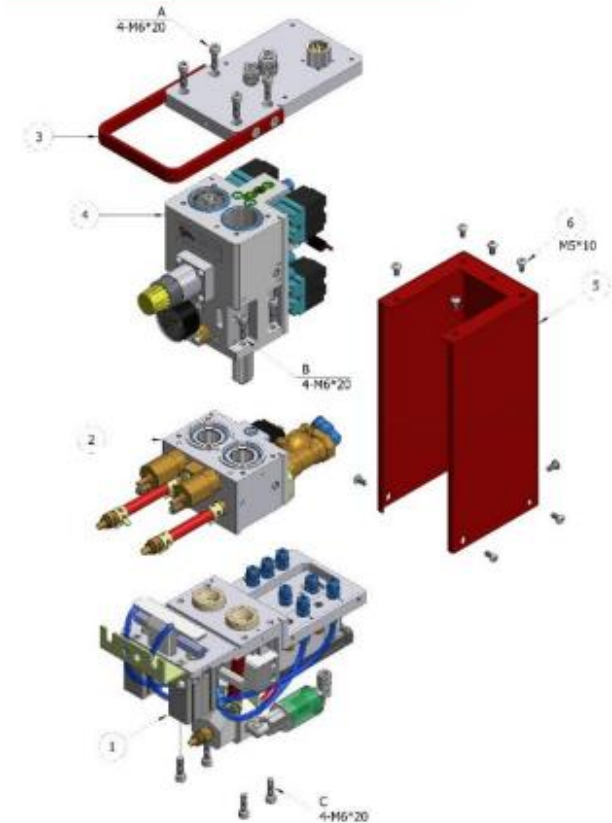
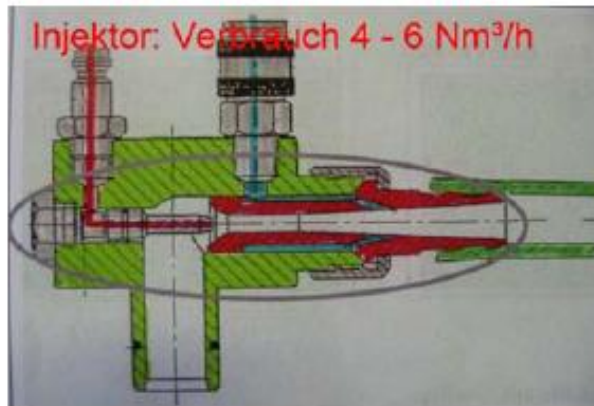
Replacement of powder hose with DDF: None!

Advantages of the DDF pump system compared to Venturi injector technology

Air saving

Venturi injector: 4-6Nm³/h

DDF pump: 2 Nm³/h



Advantages of the DDF pump system compared to Venturi injector technology

Less waste of powder



Powder lost with conventional systems:

Powder lost through fluidization (more than 2%)

Powder lost when cleaning the power unit

Powder lost from cleaning the injectors, pipes and cyclone

Powder lost with color change: 3-5 kg

Increased performance quality with DDF technology

Soft atomization regardless of the quantity of powder delivered

Venturi injectors: with high quantity of powder the air speed increases, therefore controlling the spray projection is more difficult

DDF-technology: constant air consumption with high amount of powder!
the spray projection remains totally soft!

Increased performance quality with DDF technology

- ☑ **Soft atomization regardless of the quantity of powder delivered**



**Powder spray projection using DDF
technology**

Increased performance quality with DDF technology

- ☑ **Docile powder transport with low travel speed**
- ☑ **no polymerized residue and low friction inside the powder tubes**
best finishing result with thermally sensitive paints
no separation defects with the constant use of metallic powders,
no separation of pigments with bonderized powders
- ☑ **Soft spray projection with low separation between larger and smaller powder particles**
- ☑ **Best charge of ALL powder particles (large/small), therefore low kV parameters used.**
This will result in a better distribution of the paint film especially for difficult pieces.
- ☑ **Greater consistency with thin films of powder to be deposited**
- ☑ **Consistency even for powder films >150 µm**



Sistemi di verniciatura industriale
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Complete program of sanitization equipment environmental

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Brief notes on the concept of sanitization:

In the period in which we are living, the demand for environmental sanitation has increased dramatically. The objective of this practice in a civil place such as an office or a production activity is to obtain a level of hygiene consistent with the recommendations of the decrees issued by the Government

To this end, it is important to point out that the sanitation of the environment can be achieved in various ways, but the two practices that can reasonably working an environment with medium-low risk of contamination they are the pair

Cleansing/Disinfection

Cleansing: this is the practice commonly carried out with detergents and by dedicated personnel (cleaning)

Disinfection: this is what is currently required by the regulations, i.e. the use of particular substances (sanitisers) capable of reducing bacteria and viruses to a harmless or non-existent level

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below offers a range of equipment for using these products in environments manually or automatically. The proposed systems offer different degrees of safety and are based on different application principles but share the characteristic of being "dispersed" in the environment, let's see the characteristics:

1 CM SONIC SANITIZER: *automatic nebulization system of sanitizing product in very small particles, which sanitizes through the saturation of the environment, creating a very fine mist that excludes the wet effect, and spreads within the area where it is dispensed, filling the environment with the quantity of product necessary to guarantee sanitization, fast, does not require ventilation, can be used in food environments. Electric and pneumatic power supply*

2 CM PISTON PUMP: *manual product atomization system, the operator will have to spray the disinfectant product using a high pressure gun, connected to an electrically powered pump. In this case the size of the atomized particles does not avoid the wet effect since due to their weight they tend to fall a short distance from the delivery point.*

3 CM CORDLESS SYSTEM: *system similar to the previous one, always manual, but portable with battery*

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1 Sanitization system environmental CM SONIC SANITIZER

The sanitizing trolley makes it possible to sanitize environments where it is required to spray sanitizing products into the air, avoiding the presence of an operator. Our experience with this type of applications has allowed us to create a device that combines ease of transport with long operating autonomy, and which can be comfortably used by all types of personnel with a very simple instruction. Two wheels and a handle make it extremely easy to handle. The system can incorporate one or two dispensers each with the possibility of independent orientation for better distribution in the volume to be treated.

The solution to be vaporized in the environment is placed in the stainless steel tank, and is put under pressure by the compressed air used for the atomization process. The sanitization cycle can be carried out with different hourly nebulization flow rates, the independent and precise control of the atomization and the quantity of product dispensed make it easy to use different compounds depending on the degree of sanitization to be obtained. The PLC offers different programming solutions based on needs



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Ultrasonic dispensers produce an atomized mist effect, in the form of a full cone with a narrow spray angle. Since the liquid and compressed air are sprayed from different orifices, their pressure values can be regulated separately without influencing each other: this allows satisfactory conditions of use to be obtained within a wide range of liquid flow rates. The environment is treated in a very short time and saturated with this very fine mist, without creating accumulations of liquid with the certainty of the sanitizing substance spreading throughout the room. It is possible to control the quantity dispensed both through the timing of the cycles and by controlling the output pressure

Environmental saturation with safe treatments



Fog atomization effect



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C.M. SPRAY S.r.l. founded in 1988, it operates in the spraying sector with the supply of equipment, systems and machines for the spraying of liquid and powder paints. The company, with operational headquarters in Carbonera (TV), has always worked to offer its customers and the market effective and reliable industrial solutions. Thanks to the experience acquired, CM SPRAY S.r.l. offers a consultancy, assistance and sales service that accompanies any customer in the design, development and management of their needs. Furthermore, thanks to the new innovative equipment that is continuously added to the vast range of products already distributed, customers are offered the possibility of adapting their spraying systems to new products developed by research in the chemical field. C.M. SPRAY S.r.l. addresses the market of the future, aware of being able to give all its customers the technical answers that companies that want to progress in the quality and cost reduction of their products and processes need. In recent years C.M. SPRAY S.r.l. has made quality and experience its business card.



We issue a certificate according to the EUROPEAN standard 97/23/CE (PED) for each tank. These trolleys are designed on the particular needs of each customer.



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2 Mechanical atomization system

CM ELECTRIC PISTON PUMP

The electric airless piston pump atomizes the sprayed product mechanically, is electrically powered and the operator will use a manual gun connected to the pump with a hose. The effect of the product sprayed with this system is similar to that of painting, for example, a shed, the droplets created are double in size compared to the previously described system, consumption in this case is higher and the particles tend to create accumulation and dripping.



C.M. SPRAY S.r.l. It offers different electric pump systems capable of satisfying the most varied needs. These types of products are more suitable for outdoor locations or in those places where the incidence of the wet effect is not high. These are manual systems that can be used for garages, warehouses, environments where excess product does not create excessive problems.

Operators who use these systems must be equipped with the appropriate personal protective equipment recommended by the supplier of the sprayed product.



CHARACTERISTICS :

- Voltage / Frequency: 230 V / 50Hz,**
- * Motor with permanent magnet: 1.2HP 900w**
- * Reg. pressure from 0 to Max 227bar / 3300psi**
- * Nozzle size: max 0.023"**
- * Max flow rate mod, airless: 2.0 L / min**
- * Product viscosity: less than 60s**
- * Standard hose length: 15M**
- * Weight: G.W.: 23KGS**



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3 Mechanical atomization system CM CORDLESS SYSTEM

Portable airless sprayers are specifically designed for small projects in indoor, outdoor and specialty environments. The advantages of portable sprayers are convenience, maximum portability to the workplace and being ready to spray in seconds. Contractors can easily spray for small jobs without having to start up larger airless sprayers such as the previous ones.

*Sprays water-based products with the same characteristics as the airless pump
High pressure mechanical atomization and interchangeable nozzles.*

Adjustable flow and motor speed for TOTAL control with both thick and light materials

Durable carbide piston, built to ensure long-lasting reliability



Handheld sprayers provide the same high quality finish as larger airless sprayers, but in the palm of your hand. Suitable for almost all sprayable liquids.

Sprays in any direction – even upside down!

Powered by the DEWALT® XR Lithium System



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SANITIZING PRODUCT TO BE USED

*The choice of the most suitable product for environmental sanitization is determined by various factors
In this short presentation we limit ourselves to recommending a particular liquid sanitizer for use with the CM SONIC SANITIZER system.*

It is a compound based on hydrogen peroxide stabilized with silver ions. Powerful biocidal action The combination of peroxide with the characteristics of silver makes this product ideal for nebulized use, offering prolonged effectiveness and at the same time avoiding the problems of use that other types of products have. It does not cause unpleasant tastes or odors.

It is supplied in 25 kg packs



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