

# AUTOMATIC SPRAY GUNS SELECTION GUIDE



COSMETIC, PLASTIC AND CERAMIC  
FINISHING SOLUTIONS



# COSMETIC

## TYPE OF PRODUCTS MANUFACTURED

Hollow glass, flat glass, glassware, perfume bottles, perfume bottle lids, packaging.

## YOUR REQUIREMENTS

You specialise in glassware and cosmetics. You wish to optimise the finishing phases, to have standard applications with a uniform thickness of 5 µ upwards, for complex items such as perfume caps, lipsticks or bottles.

## OUR SOLUTIONS

The new AG-362 and AG-362P "Petite" automatic spray guns of the AG-360 series have been specially designed for the cosmetic industry.

The AG-362P has a small head for achieving consistent fan impacts from 10 to 120 mm.

In order to optimise application precision, we also supply a precision control unit (manual or digital) and constant regulation with our fully approved HGB-510 regulators. We supply low-capacity, pulse-free Binks DX diaphragm pumps, offering ease of maintenance.

In order to achieve optimum performance, use our Ransburg electrostatic spray guns.

## YOUR BENEFITS

- Unequalled uniform and consistent application quality for fan impact from 10 to 120 mm.
- High transfer efficiency to reduce consumption on expensive materials.
- Requires low air flow.
- Drop forged aluminium with "Quick Clean™" gun body coating for easy cleaning.
- Fluid needle control with optional micrometre knob for extreme accuracy.



\*Please see page 5 for product details.

BOTTLING INSTALLATION EXAMPLE

# PLASTIC

## TYPE OF PRODUCTS MANUFACTURED

Glasses, car radio fascias, switches, perfume bottle lids, telephone and computer fascias, small plastic parts and plastic components, etc.



## YOUR REQUIREMENTS

Plastic components are complex and come in all sizes and you need multipurpose equipment for robotic applications, for raising and lowering or a sweeping action. The guns must be easy to adjust in order to achieve the required quality of finish consistently, regardless of coating material applied (solvent or water-based, one or multicomponent, primer, lacquer or varnish). Precision and regularity of the spray must be reliable. Achieving the required thickness is one of the constraints of your application. It is essential for the spray gun to be as small as possible. You are trying to reduce product waste by limiting overspray.

## OUR SOLUTIONS

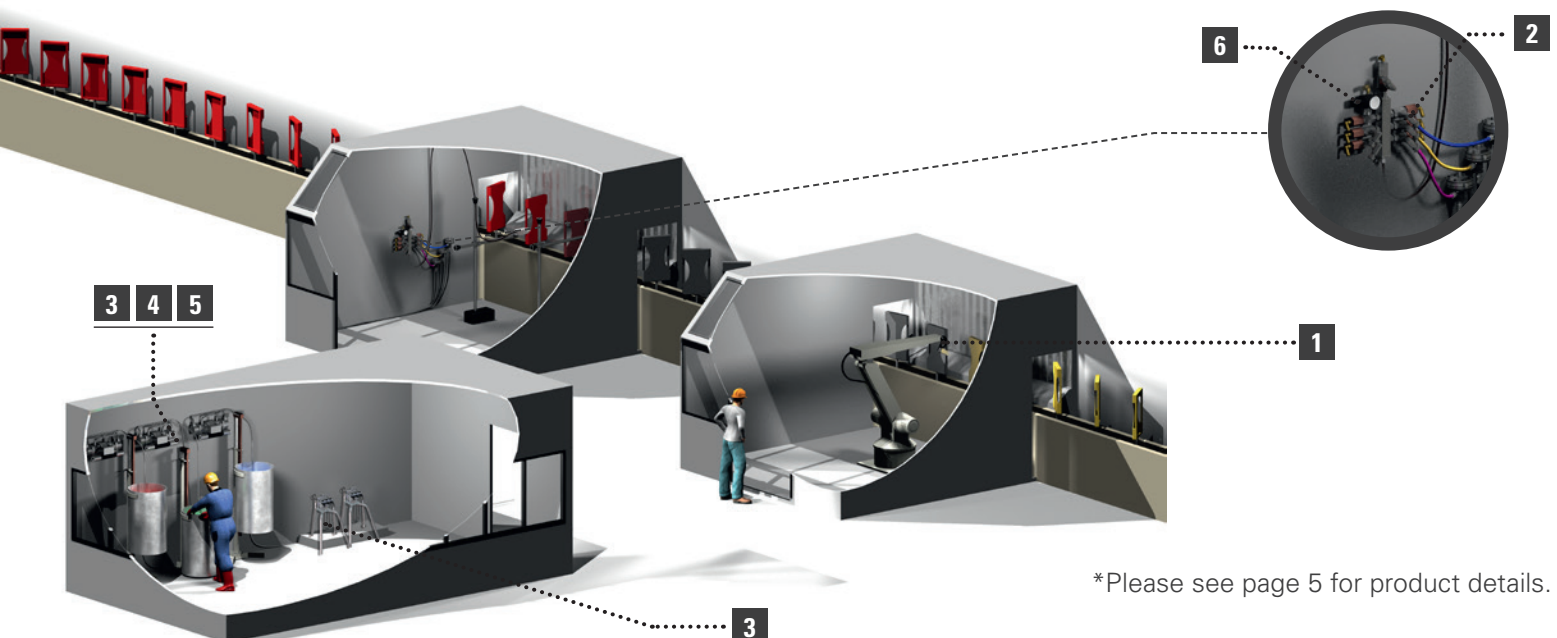
The new AG-361 (without manifold) and AG-362 (with manifold) spray guns are the most versatile and efficient equipment in the market with the best precision. With a comprehensive range of air caps, the AG-360 series offers all atomization technologies depending on performance for your finishing needs. With high Transfer Efficiency the 360 range will reduce your VOC emissions.

Our colour-change valves will make it easy to change the colour or product. The Binks DX diaphragm pumps will provide a high-performance, flexible and multi-purpose system.

Our Ransburg electrostatic automatic spray guns and cups will also enable you to achieve unrivalled spray quality and cost saving.

## YOUR BENEFITS

- Less overspray.
- Optimum production thanks to the regular and reliable spray quality.
- Savings in the consumption of coatings used.
- Equipment is easy to use and maintain.
- High quality finish for finished products.
- " Quick Clean™ " gun body coating for easy cleaning.



\*Please see page 5 for product details.

# CERAMIC

## TYPE OF PRODUCTS MANUFACTURED

*Kitchen utensils, bakeware, tableware, household appliances, sanitary ware for bathrooms, architectural pieces, tiles, flagstones and ceramic tiling.*

## YOUR REQUIREMENTS

You prepare a single high-density ceramic slip. You would like to apply this as a fine spray, with a precise thickness, to sheet metal, cast iron or terracotta taking account of the roughness of the surface to which it is applied and the firing temperature. Constraints also include small dimensions for spray guns which are mounted on a carousel, fixed or which have a sweeping action or are used for robotic applications. Your finished product symbolises your experience.

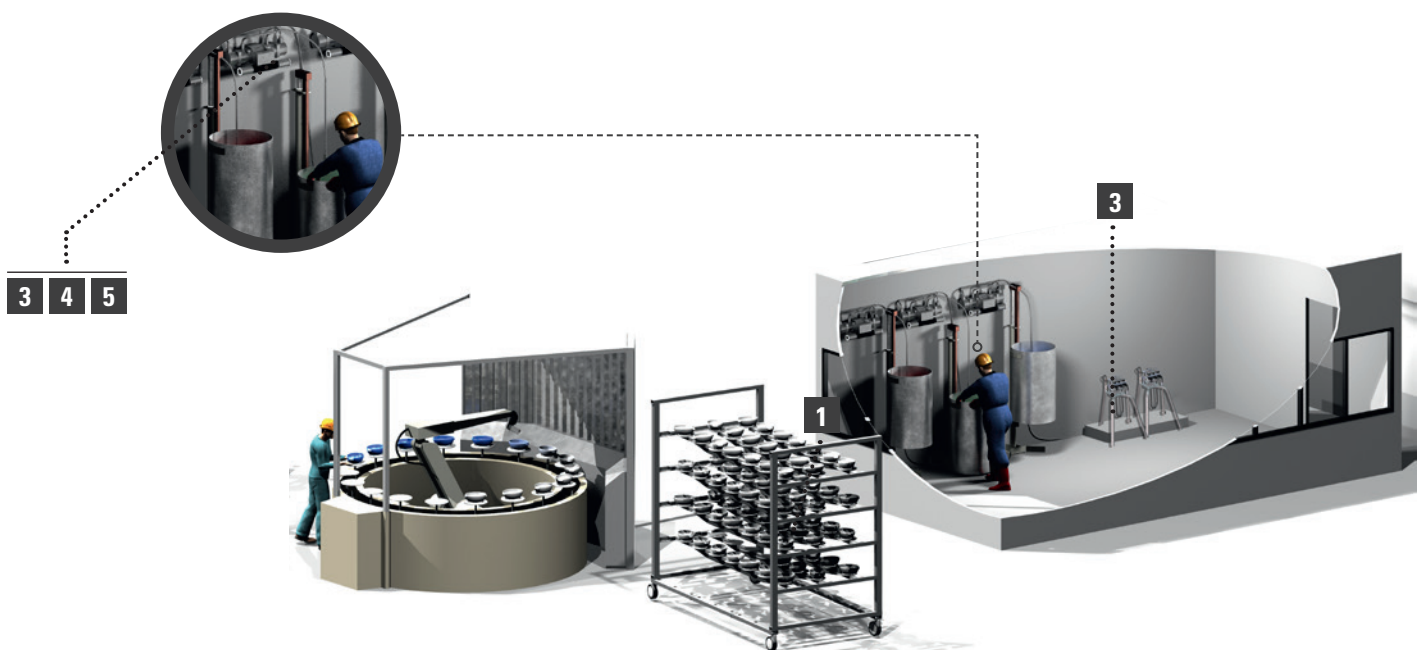
## OUR SOLUTIONS

In the AG-360 range, the AG-361E automatic spray guns are specially designed for ceramic and enamel industries. Its extended range of specialist air caps and fluid nozzles is capable of handling the high fluid flows and abrasive nature of the coating and environment.

You will achieve uniform application by ensuring the glaze is circulated. Spray consistency is achieved by incorporating the new Binks DX70 pump specially designed for ceramics.

## YOUR BENEFITS

- Consistent spray rate.
- An unrivalled quality of finish after firing, projecting the image of your company and your products.
- A uniform product thanks to the use of circulation technology.
- Savings on consumption of spare parts thanks to the use of tungsten carbon materials for tips and needles.
- Special O ring needle packing designed for abrasive coatings.
- "Quick Clean™" gun body coating for easy cleaning.



\*Please see page 5 for product details.

CERAMIC INSTALLATION EXAMPLE

# SPRAYING SOLUTIONS

(All equipments presented are ATEX and CE certified)



## 1 AUTOMATIC SPRAY GUNS\*

\*All spray guns shown are water and solvent borne compatible. All spray guns from the AG-360 series have a "Quick Clean™" gun body for easy cleaning.

NEW



**AG-362**  
DeVilbiss  
New spray gun on manifold, Trans-Tech and HVLP low pressure technologies, part of the AG-360 series.

- Two patented manifold types available: AG-362L lever operated version for fastest removal and AG-362S screw version.
- Air caps available in HVLP, Trans-Tech (High Efficiency) and Conventional technologies.
- Independent fan, atomising and triggering air on the mounting block.
- Indexing air cap for consistent reproduction of spray pattern.
- High precision with micrometrics set up.
- "Quick Clean™" gun body coating.
- Ideal gun for robotic and machine applications.

NEW



**AG-362P**  
DeVilbiss  
New "Petite" spray gun on HVLP technology manifold

- Modified manifold mounted gun designed for the precision application of coatings onto cosmetics packaging and glassware.
- Air caps and tips consistent for fan impact from 10 to 120 mm.
- Micrometer needle control knob assembly for ultra-fine precision fluid setting.
- High Transfer Efficiency.
- Consistent fan on all fan pattern width ranges.
- Manifold available with or without recirculating.
- "Quick Clean™" gun body coating.

NEW



**AG-361 & AG-361E (ceramic industry)**  
DeVilbiss  
New spray gun without manifold Conventional, Trans-Tech & HVLP low pressure technologies

- Modular, easy to maintain gun construction.
- Application settings on the spray gun.
- "Quick Clean™" gun body coating.
- AG-361E with special O ring needle packing designed for abrasive coatings.
- Nitride hardened and Tungsten Carbide Air caps and tips available on AG-361E.



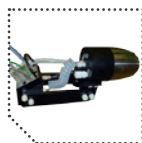
**ESTAQUICK**  
Ransburg  
Electrostatic low pressure auto gun on mounting block

- Quick disconnect fluid tip (1/4 turn) and gun.
- High transfer efficiency with electrostatic technology.
- Guaranteed spray repeatability.
- Independent control of atomizing air, fan air and operating air.
- Gun fits automatic/traversing machines.



**AGMD PRO**  
DeVilbiss  
Auto gun on mounting block low pressure Trans-Tech technology

- Quick disconnect system from mounting block.
- Wide range of air caps and stainless steel fluid tip for all applications requesting extreme accuracy.
- Specialised multi-axis robots.
- Air cap indexing for consistent application repeatability (option).
- "Pro" high performance front end for quality spray.



**AEROBELL 168**  
Ransburg  
Rotary atomiser low pressure technology

- Exceptional transfer rate through the electrostatic process.
- Paint coverage even in difficult access areas with electrostatic effect.
- Fast and easy cleaning bell.

## 2 PRODUCT REGULATORS

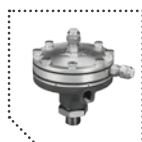
A complete range of fluid regulators :

- Highly accurate pressure settings.
- Fast disassembly and cleaning.
- Stainless Steel fluid passages.
- Manual or automatic control.
- Consistent fluid pressures maintained without fluctuation.
- Fluid regulators range from 1/1 to 1/10 ratio.



**HGB-510**  
Binks  
Pneumatic automatic adjustment fluid regulator

- Ratio range : 1/1, 2/1, 4/1.



**DRI**  
Ransburg  
Pneumatic automatic adjustment fluid regulator

- 8/1, 10/1 ratio.
- Stainless Steel passages.
- PTFE internal coating.
- Low shear conditions.



**HGBR-609**  
Binks  
Pneumatic manual adjustment back pressure regulator

- Back pressure valves for recirculating.



**Low shear 84-404**  
Binks  
Pneumatic manual adjustment back pressure regulator

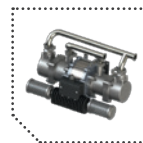
- Back pressure valves for recirculating.

## 3 FLUID HANDLING\* AND PRESSURE FEED TANKS



**DX**  
Binks  
Diaphragm pump low pressure

- Ratio 1:1.
- Acetal pump with stainless steel balls for universal paint compatibility including ceramic glaze coatings.
- Fluid regulator provides consistent pressure at the gun (in option).
- Pump outfit mountings include cart, wall, 25L pail and tripod outfits with or without spray guns and hoses.
- Fluid outlet 60 cycles/min : 4,2l/min.



**Maple**  
Binks  
Air operated horizontal piston pump low pressure

- Ratio 15:1 or 25:1.
- Low shearing.
- Patented technology for stable product flow.
- Control valve metal spool and sleeve for long life, incorporating magnetic detent to eliminate stall condition (patented design).
- Low ice - lubricant free air motor with quick exhaust technology (patent) removes the risk of valve icing.

## 4 AGITATORS



**149-873**  
Binks  
Hand held quick mixer

- Shaft length 533 mm.
- Variable speed.

### Wide range of agitators



**31-425**  
Binks  
Pneumatic direct agitator and drive assembly with cover

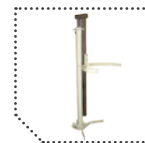
- Motoreduction (HP:1/4).
- On cover.
- In direct drive.
- Alternative.



**Electrical Agitator**  
Binks  
Direct electrical agitator

- Control Option inverter or AC Inverter.
- Range of variable speed.
- Axis completely sealed.
- 728.5 mm shaft length.
- 212 rpm.

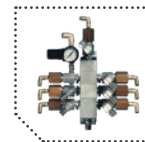
## 5 PNEUMATIC ELEVATOR



**PHV**  
Binks  
Pneumatic elevator

- 550 mm stroke (PHV-500) and 1 000 mm stroke (PHV-1000).
- Double-acting cylinder to power the elevator in both the up and down strokes.
- Anti-twist device.
- Sturdy base stand with adjustable drum positioning feature.
- 3 height fixing positions.
- Lid and agitator available.

## 6 COLOR CHANGE VALVES



**CCV**  
Ransburg  
Pneumatic Color Change Valve

- Pressure feed tanks 10l, 40l and 60l.
- Constructed from the highest grade materials with forged steel clamps.
- Available in stainless steel, carbon steel, galvanized carbon steel or electro galvanized.
- Disposable tank liner reducing cleaning time and saving coating material.
- Electropolished.

- Stainless steel valve.
- Design by module to form valve assemblies according to number of color (up to 30 colors).
- Suitable for a wide variety of liquid material.
- Wide range of mounting blocks and adapters for all existing installation.



\* Five year limited product warranty

# THE CULTURE OF BINKS, DEVILBISS AND RANSBURG IS ROOTED IN DEVELOPING COMMERCIAL INNOVATIONS. MANY OF THE PRODUCT SUCCESS STORIES BEGUN ON-SITE, WHERE CUSTOMERS' NEEDS ARE MOST APPARENT.

Thanks to the expertise of our management and sales force (many of whom are trained engineers) we are well equipped to provide practical and time-sensitive solutions to the most complex situa-

tions. The seasoned workforce intimately understands the manufacturing challenges facing customers and can develop original solutions from the ground up.

## GLOBAL MANUFACTURING AND R&D AROUND THE WORLD

Facilities are located in Europe, USA, Australia, Brazil, China, Japan and Mexico with long established Industrial Distributors serving all Countries around the World.

We manufacture and supply all types of Industrial Spray Finishing Equipment and Accessories. Incorporating the world leading Brands of Binks, DeVilbiss and Ransburg producing "cutting edge" high technology Spray Finishing Equipment for the supply and application of all sprayed materials for all major manufacturing Industries and Markets.

This catalogue depicts the range of Binks, DeVilbiss and Ransburg Spray Finishing products available from our European sales and marketing operations.

This all encompassing product range is itemised in the contents.

More information on our website.

[www.finishingbrands.eu](http://www.finishingbrands.eu)



Manufactures low pressure manual and automatic spray guns and related spraying accessories; including air filter reducing valves and regulators, operator breathing systems, spray gun cups, hoses and other equipment for the Industrial

Finishing Markets. DeVilbiss is widely recognised for the development and introduction of the first "Compliant" spray guns, which greatly reduce overspray and VOC's into the environment. An expertise in ergonomics and innovative spray gun design is widely acclaimed.



Manufactures low and high pressure manual and automatic spray guns, accessories, Airless and Airless Air Assisted spray painting outfits; high and low pressure fluid handing pumps and regulators, pressure

feed tanks, 2K electronic paint mixing machines and paint circulating systems for the industrial finishing and automobile manufacturing markets. A pioneer in spray finishing technology which includes the development and introduction of the world's first "stand alone" HVLP spray guns.



Ransburg is the acknowledged global leader in the design, manufacture and marketing of manual and automatic electrostatic finishing products, providing spray finishing solutions to the key industrial and automobile

manufacturing markets. Ransburg continues to refine the most efficient electrostatic spray painting technology, delivering a "Class A" finish to each and every customer's product, whilst reducing VOC emissions by providing excellent transfer efficiency and atomisation.

**FULLY APPROVED DISTRIBUTORS OFFER THE HIGHEST STANDARDS OF SALES AND SERVICE OF BINKS, DEVILBISS AND RANSBURG PRODUCTS.**

**INNOVATION IN MIND**



## OPERATOR TRAINING SUPPORT

We conduct regular operator training courses throughout the year in our fully equipped industrial training centres in Bournemouth, Valence and Dietzenbach.

The "modular" training courses cover all aspects and technologies used in the field of Industrial Spray Finishing. Delegates are able to gain valuable "hands-on" and "theoretical" experience with the advanced range of finishing products available, featuring the world renowned brands of Binks, DeVilbiss and Ransburg.

Training is also provided on the industry specific health & Safety and statutory (ATEX/CE) requirements necessary in the demanding Spray Industry.

The course agendas and dates are available on request.

## FREE GREENSPRAY AUDIT PROGRAM

Call today for a free GreenSpray audit.

Our team of experts can conduct a free audit of your finishing facility and offer constructive help and advice to provide practical solutions and recommendations to everyday Finishing Room challenges.

This free end user programme can very often result in reduced overheads, lower maintenance costs, improved production speeds or better operator practices for our valued customers.



### Sales and Service through our Global Network of Distributors

#### Finishing Brands Locations

Americas : **USA** ■ **Mexico** ■ **Brazil**  
Europe/Asia/Africa : **United Kingdom** ■ **France** ■ **Germany** ■ **India**  
Pacific Rim : **China** ■ **Japan** ■ **Australia**

## TRAINING PROGRAM

1 and 2 day courses are available for many different products and technologies and are customised for customers and our distributor personnel (Sales, Service & Technical).

Our professional trainers utilise the very latest training techniques and facilities to provide delegates with everything necessary to begin using and servicing our finishing equipment.

Upon completion of the modular training courses a professional training certificate will be presented to the delegates to confirm the specific training received.

### TRAINING MODULES INCLUDE:

- P1 Manual Spray Guns
- P2 Automatic Spray Guns
- P3 Electrostatic Spray Guns
- P4 Pump and Fluid Handling inc; Pressure tanks, Regulators and Agitators
- P5 Plural Component 2K Magic Flow
- R1 Electrostatic Gun Repair
- R2 Pumps and Fluid Handling Repair
- R3 Manual and Automatic Spray Gun repair (Conventional and Trans-Tech/HVLP)



**Finishing Brands.**

A **CARLISLE** COMPANY