The Complete Programme for Yacht and Boat Building



Spray Guns | Cup Systems | Breathing Protection | Air Filtration | Accessories



Only the best for yacht and boat building

Usually, yachts and small boats are built either made to order or in small series productions. Their surfaces, however, must meet a number of different requirements in terms of functionality and optics. Consequently, a host of materials is being applied during the manufacturing process. For each application requirement, SATA offer a suitable spray gun solution ensuring perfect finishes.

The underlying requirement for achieving high quality surfaces is the availability of technically clean compressed air. This can be realised with the installation of efficiently working SATA compressed air filters.

Effective health proctection to preserve the physical capacity of the painter on the shop floor is another important element. Using SATA respirators is the best choice.

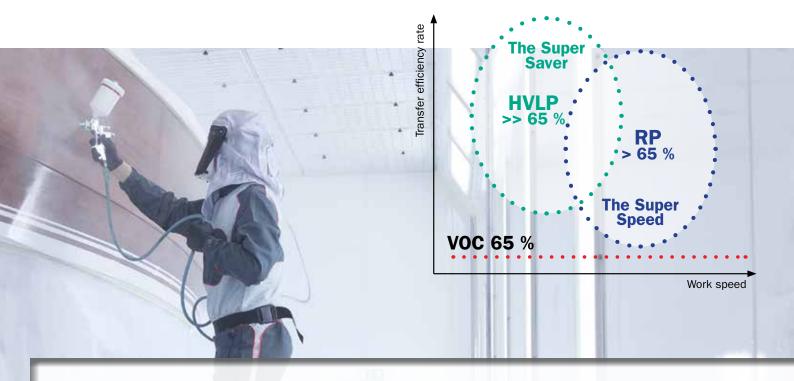


Spray Guns

SATA spray guns, whether hand-held or automatically controlled, not only meet the demand for premium quality finishes, they are also first choice in terms of reliability, durability and ergonomics. As a matter of fact, they exceed the transfer efficiency rates of 65 % required by VOC legislation. Most spray guns are available in two versions:

HVLP: Due to their low pressure technology, these SATA spray guns achieve extremely high transfer rates.

RP: The optimised high pressure technology allows maximum work speed at VOC-compliant transfer rates and flexible handling.



Spray guns for yacht and boat building

Further important factors for choosing the right spray gun are the work methods of the painter, the object to be painted, the paint system being used and the air volume provided by the compressor.

Type of material and application (also see illustration on the left	SATAjet® 4000 B		SATAjet® 1000 B / Lignum® *		SATAjet® SATAminijet® 100 4400® B B P® 😉			SATA® spray master™** 3000 K***		SATAjet® 1000 K***		SATAjet® 3000 K spray mix™ •••	
	HVLP	RP®	HVLP	RP®		HVLP	RP®	RP®	HVLP	RP®	HVLP	RP®	
Clear coats 1	★★★ 1,0 - 1,7	★★★ 1,0 - 1,6	★★ 1,4 - 1,7	★★ 1,0 - 1,6			★★ 1,2 - 1,6		★★★ 1,0 - 1,2	★★★ 1,1 - 1,3	★★★ 1,0 - 1,6	★★★ 1,1 - 1,9	★ ★ ★ 2850 - 3882
Effect paints 1	★★★ 1,0 - 1,7	★★★ 1,0 - 1,6	★★ 1,4 - 1,7	★★ 1,0 - 1,6		★★ 1,0 - 1,4	★★ 0,8 - 1,4			★★★ 1,1 - 1,3	★★★ 1,0 1,2	★★★ 1,1 - 1,5	
Single stage materials 1 2	★★★ 1,0 - 1,7	*** 1,0 - 1,6	★★ 1,4 - 1,7	★★ 1,0 - 1,6			★★ 1,6		*** 1,0 1,2	*** 1,1 - 1,3	*** 1,0 1,2	*** 1,1 - 1,5	★★★ 2850 - 3882
Primer materials	*** 1,9 2,2	★★★ 1,6 - 2,5	★★ 1,7 - 2,1	★★ 1,6 - 2,5	★ P	* * 1,1	*** 1,6	★ ★ ★ SM (1,7)	★★★ 1,2 - 2,0	★★★ 1,3 - 2,0	*** 1,1 - 1,3	*** 1,3 - 2,0	★★★ 3350 - 4650
Antifouling	★★ 1,4 - 1,9	*** 1,3 - 1,8	★★ 1,7 1,9	★★ 1,3 - 1,8				★★★ SM (2,0)	★★ 1,0 1,2	* * * 1,1 - 1,3	★★★ 1,2 - 1,6	*** 1,1 - 1,3	★ ★ ★ 3350 - 4650
High-viscosity materials (e.g. thick-film glazes)	★★ 1,9 2,2	★★★ 1,6 - 2,5	★★ 1,7 - 2,1	* * * 1,6 - 2,5 * * * 1,6 1,8 2,0 (mit BVD)	*** P		★★ 1,6	* * * SM (1,7)	* * * 1,2 - 2,0	* * * 1,3 - 2,0	* * * 1,2 - 2,0	* * * 1,3 - 2,0	★★★ 3350 - 4650
Clear coats for wood application (cabin/	★★★ 1,0 - 1,7	★★★ 1,0 - 1,6	★★ 1,4 - 1,7	★★ 1,0 - 1,6			★★ 1,2 - 1,6		★★★ 1,2 - 1,6	* * * 1,1 - 1,3	★★★ 1,0 - 1,6	★★★ 1,1 - 1,9	
Glazes (interior fittings)	* * * 1,0 - 1,3	*** 1,2 1,3	*** 1,4	* * * 1,0 - 1,3		*** 0,8 - 1,1	** *** 0,5						
Floor coatings (e.g. non-slip coatings) (** P			★ ★ ★ SM (1,7)					
Contact adhesives				★ ★ ★ 1,6 Drall/ OS								* * * 1,6 Drall/ OS	

★★★ Perfectly suitable

★★ Well suited

★ Suitable

Note: Please observe the technical data sheets of the respective paint

- manufacturers!

 * in combination with SATA®BVD™ or SATA®RWB
- ** in combination with SATA® BVD™
- *** in combination with SAIA- BYD:**

 *** in combination with a paint pressure tank. Pressure fed spray guns are especially suitable for surfaces larger than 3 m².

Top coat spray guns for premium class high gloss finishes

SATA high performance spray guns meet highest demands in regard to colour match precision, effects, material distribution, gloss level and brilliance. Thus, they help achieve perfect finishes when applying modern clear coats, single stage materials and effect paints, as it is expected by demanding yacht and boat owners.



○ SATAjet® 4000 B – the Experience in Form and Function

A real "must have" for every bodyshop with highest requirements in terms of a perfect finish.

- A uniform and perfectly shaped spray fan ensures brilliant finishes at rapid application speed.
- Due to its ergonomically formed gun handle, this extremely lightweight spray gun fits like a glove.
- Ergonomically shaped adjustment elements and the useful round/flat fan control allow safe and comfortable work
- Optional: SATAjet 4000 B DIGITAL with integrated electronic inlet pressure adjustment
- Air consumption: RP: 285 NI/min at 2.0 bar; HVLP: 430 NI/min at 2.0 bar Art.No. upon request

Numerous useful features:



















Meaning of the Symbols:



VOC-compliant atomisation technology - optionally available as HVLP low pressure or RP optimised high pressure technology



DIGITAL Optional: SATAjet 4000 B DIGITAL with integrated electronic inlet pressure adjustment



dam 2 Innovative and versatile digital retrofit air microm-



Switching back and forth from round to flat spray fan with a quarter turn only



Perfectly suitable for the use of RPS disposable



Cup connection for quick and clean cup changes as well as easy cleaning



Quick air cap change with one turn only



For the convenient identification of your spray gun



Top quality is not enough - we guarantee it: for three years



To choose the correct nozzle size, please contact your local SATA dealer or pay us a visit on our website www.sata.com

③ SATAjet® 3000 K − pressure fed spray guns

Painting serial components and large surfaces requires this pressure fed spray gun.

- High surface efficiency due to material supply from pressure tanks or via double diaphragm pumps or colour change systems
- Wide, smooth and homogeneous spray fan for perfect finishes at high application speed
- Extremely robust gun model with axial round/flat spray control
- Optional: fluid tip and paint needle with lifetime prolonging surface
- Air consumption: RP: 430 NI/min at 2.5 bar; HVLP: 560 NI/min at 2.5 bar

Art.No. upon request









SATAjet 1000 B LIGNUM – the allround spray gun

Precious wood varieties are the most used materials for the construction of the boat itself as well as for its interior fittings. Due to its comprehensive range of available nozzle sizes and its versatile selection of accessories, such as pressurised and agitator cup (see on the right), a host of many different spray media can be perfectly applied with the SATAjet 1000 B LIGNUM*: from low-viscosity wood stains and clearcoats to glues and other thixotropic materials. With extensions available in various executions, even areas of difficult access can be easily reached.

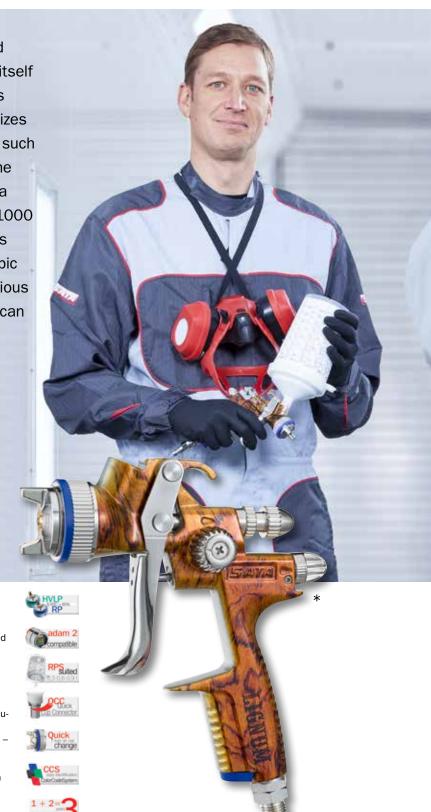
* Hinweis: Das Modell SATAjet 1000 B LIGNUM ist baugleich zur SATAjet 1000 B. Durch den aufwändigen Veredelungsprozess der Pistolenoberfläche kann es zu leicht abweichenden Farbnuancen des Eloxals des Pistolenkörpers kommen. Auch Farbveränderungen, z. B. durch Lichteinflüsse, sind möglich.

⑤ SATAjet® 1000 B LIGNUM – the allround spray gun

Perfectly suitable for almost all wood-coating applications – designed in special wood optics

- Robust spray gun with anodised spray gun body, lightweight and optimised ergonomics
- Standard version with swivel joint
- Fully equipped with round/flat fan control and material flow control as well as air micrometer
- Low cleaning and maintenance efforts
- Special air passages on the air cap horns prevent material accumulation caused by overspray
- Wide and smooth material passages improve the material flow reduces cleaning time and ensures perfect paint jobs
- Extensions for SATAjet 1000 B RP upon request
- Air consumption: RP: 275 NI/min at 2.0 bar; HVLP: 350 NI/min at 2.0 bar

Art.No. upon request



⁽¹⁾ SATAjet® 1000 K- for large surfaces

When having to paint large surfaces, this pressure fed spray gun is the first choice.

- High surface efficiency due to material supply from pressure tanks
- Alternative material supply via double diaphragm pumps
- Smooth and homogeneous spray fan for perfect finishes
- Optional: fluid tip and paint needle with lifetime prolonging surface
- Extensions for SATAjet 1000 K RP upon request
- Air consumption: RP: 410 NI/min at 2.5 bar; HVLP: 530 NI/ min at 2.5 bar

Art.No. upon request

[©] SATAjet® 1000 H RP®

Air consumption: 275 NI/min at 2.0 bar Art.No. upon request

Spray gun with 1.0 I suction cup. High

optimised high pressure technology.

work speed and surface efficiency due to















technology with the advantages of a pressurised spray gun. With this unique combination, almost any type of paint system of almost any viscosity and even thick film stains can be applied - with excellent results.

In most cases, the SM nozzle set is sufficient to apply a host of different materials. Little masking effort and low air consumption are the reasons why this "allrounder gun" has become a widely used spray equipment both in the paint shop and on the dry dock.

Air consumption: 230 NI/min at 2.0 bar

Art.No. upon request





SATA® BVD™

0.7 I QCC pressurised cup to retrofit available spray guns. For the application of high-viscosity materials; max. material pressure: 1.7 bar.

Art. No. 25775

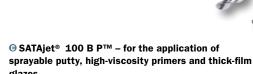


SATA® agitator cup (RWB)

Pneumatically operated, adjustable mixing of materials that tend to settle, such as emulsions or paints with metallic or mineral components. Suitable for all SATA spray guns with QCC connection. Size: 0.7 I.

Art. No. 29926





The compact spray fan achieves high layer thicknesses. Art.No. upon request

SATA RPS – the cup system for professionals: simple, efficient, perfect

SATA RPS (Rapid Preparation System) is the ideal cup system for shops focusing on perfect finishes and high profitability. It makes a painter's life much easier, considerably increases productivity and drastically reduces the consumption of cleaning solutions and solvents.

Mixing paint

The paint is mixed in the cup which is later used for painting. Time-consuming preparation, such as sieving paint, additional mixing cups and sieves are no longer required. The workplace stays clean; the contact with the paint is reduced to a minimum.

Painting and refilling

The low weight – for example, a 0.6 I cup with lid weighs 50 g only – and a low center of gravity allow safe and fatigue-free work. Colour changes are effected rapidly: Only the short paint channel of the spray gun requires flushing. Upon request, the SATA RPS cup can also be refilled simply and in a cleanly manner.

Storing paint

During storage, the sturdy cup and the airtight closure prevent the paint from being affected. Further, the sturdy cup makes handling easier.

Convenient disposal after use

Cleaning the cup system is not necessary. This reduces non-productive times as well as cleaning agent and solvent consumption, helping save money and protect the environment. No special disposal system is required.

SATA RPS – Convincing Advantages

- Easy to use only 3 parts
- Fits directly on all SATA spray guns no adapters required
- Perfect finishes are easily achieved even material
- Cleaning becomes almost irrelevant allows quick colour changes
- Stable cup ensures safe storage of leftover material
- Pointed lids allow the complete and residue-free material application
- Reduces cleaning efforts and solvent consumption
- Available in the 3 cup sizes 0.3 I, 0.6 I and 0.9 I
- For selecting the correct sieve fineness, please ask your paint manufacturer.





The paint is mixed in the cup later used for painting.

Very easy

Handling is extremely easy as the system only consists of 3 components: cup, lid and sieve – with a fineness of 125 μ or 200 μ at your choice. Spare lids and spare sieves are available for all RPS cups.





No compromise

SATA RPS is the only cup system that fits on all modern SATA spray guns without cumbersome adapters. There are far less crevices in the material passage which could attract paint material possibly leading to coating flaws during subsequent paint jobs.



Perfect finishes

Continuous cup ventilation via the anti-drip device ensures consistent material flow permanently. An even material application and highest colour match precision reduce the danger of expensive rework.





SATA RPS 0,3 I Standard

suitable for all SATA top coat and primer spray guns incl. SATAminijet 4400 B 60 cups, lids and flat sieves 125 µ: Art. No. 118281 plug-in sieves 200 µ: Art. No. 118406

SATA RPS 0,3 I minijet especially for SATAminijet 3000

and SATAjet 20 B 60 cups, lids and flat sieves 125 μ: Art. No. 118299 plug-in sieves 200 μ: Art. No. 118414

Profitable

With SATA RPS, you optimise your complete painting process – without having to accept compromises with regard to the finish. Thus, you work profitably and save money.

Comparative calculation at: www.sata.com/rps_calculator



Filter regulators and breathing protection — for perfect finishes and perfect health







Double-stage filter (without activated charcoal) – suitable for the application of VOC-compliant solvent-based paints. Art. No. 92296

SATA® filter 484TM

Triple-stage combi filter (with activated charcoal) – suitable for the application of VOC-compliant waterborne and solvent-based paints

Art. No. 92320



SATA® filter 400™ - for highest requirements

The SATA filter 400 series fulfills highest requirements for quality, performance and available air volume. Their modular construction allows to adapt them to the exact needs of each practical application. The combi units SATA filter 484 and 444 are standard equipment in spray booths, as they reliably prevent expensive rework.

- Air flow: 3.600 NI/min at 6 bar
- Max. ambient temperature: 120° C or 60° C, resp.,
 when using activated charcoal
- Large pressure regulator for precise adjustment of operating pressure
- Differential pressure display due to double gauge to check the fine filter saturation level
- Two air outlet taps
- Single modules suitable for pipeline installation

SATA® filter 103 prep™ und 100 prep

The SATA filters 103 prep and 100 prep are a cost-effective solution for yacht and boat builders. They are suitable for the use with little air requirement but only for limited use to supply respirators.

- Air flow: 800 NI/min at 6 bar
- Max. ambient temperature: 50°C



SATA® filter 103 prepTM

Triple-stage filter (with activated charcoal) – for the application of waterborne primer materials

Art. No. 157420



SATA® filter 100 prepTM

Double-stage filter (without activated charcoal) – for the application of solvent-based primer materials
Art. No. 148247

For more information: www.sata.com/filter



SATA® air star C^{TM} — the half mask independent from the ambient air

Skin-friendly mask made of TPE* with anatomically shaped sealing frame, solvent-resistant.

- Safe seat, free field of vision (protective goggles

 Art. No. 97485 required, not included in delivery)
- No accumulation of heat and humidity inside the mask
- Air consumption: 150 NI/min at 4 bar Art.No. upon request
- * Thermoplastic elastomer



SATA® air star F™ – the useful filter mask

Due to the double filter system A2:P3 R D (highest protection level), the filter mask provides perfect protection against dust, dirt and organic solvent vapours up to thirty times the TIV with chart point into

- up to thirty times the TLV with short paint jobs.
- Mobile use, easy handling
- Small investment
- Perfect wearing comfort, free field of vision (goggles – Art. No. 97485 – required, not included in delivery)
- Pre-filter extends filter lifetime Art.No. upon request
- * TRK = Technical Reference Concentration (TRC)

Material feed systems for an optimised painting process

For the application of larger amounts of paint, the SATA material supply systems in combination with pressure fed SATA spray guns are the perfect equipment. The universally applicable systems feature easy handling, sturdy construction, long lifetime and little maintenance.

SATA® mini set 2™ – for mobile use

Paint pressure tank with 2 I filling volume to paint areas of difficult access on and especially under the boat.

- Handy, can be used anywhere
- Closed system
- Almost no wear-and-tear, little maintenance
- Easy to clean
- Optional: Shoulder strap
- Also available as complete kit in combination with the high performance top coat spray gun SATAjet 3000 K

Art.No. upon request



SATA paint set 10, SATA FDG 24 N and FDG 48 N

Especially sturdy paint pressure tank with a filling volume of 10, 24 or 48 l, resp.

- Container and all material passages are made of stainless steel
- The seals between lid and container are highly resistant and durable.
- FDG 24N and 48N: Stainless steel lid with filler neck, paint set 10: lid with Rilsan coating
- Optional: Double pressure reducer, pot insert, agitators, second spray gun connection
- Optional for FDG 24N and 48N: Trolley, material outlet on the bottom of the tank, pressure plate

Art.No. upon request





SATA® vario top spray™ – the double diaphragm pump

Powerful pump in the ratio 1:1 to apply large amounts of material. Ideal for high gloss paints, single-stage and clearcoats, stains and effect paints.

- Material can be applied directly out of the original container no decanting or ventilation required like with pressure tanks; easy refill
- Aluminium and stainless steel version
- Sturdy, low wear and low maintenance
- Several versions for mobile and stationary use are available Art.No. upon request

Cleaning systems for spray guns

Spray gun cleaning is a less popular task amongst painters. SATA cleaning devices reliably help achieve correct gun cleaning which is of vital importance not only in order to maintain proper function of the spray gun, but also to increase the process security in the bodyshop.

SATA clean® RCS® - the turbo cleaner

For bodyshops with high output and many colour changes.

- Rapid and safe colour change when using disposable cups, such as SATA RPS
- Thorough cleaning of the material passages
- Eliminates the need for trips in and out of the booth, as it can be mounted inside the spray booth
- Increases the bodyshop's productivity
- Optional: Hose for extracting solvent vapours Art. No. 145581



SATA clean® RCS® compact™

To connect large cleaning agent containers

SATA clean® RCS® - the turbo cleaner -

- Recommended for wall-mounting inside the mixing room, as there is no need for spray air supply
- Optional: Hose for extracting solvent vapours

Art. No. 192518



SATA clean® RCS® micro

The compact version is also available as space-saving option with a one-chamber-system.

Art. No. 202564



Gun washer with integrated suction unit.

- Thorough and gentle cleaning of spray gun, cup and lid
- Little cleaning agent consumption
- Closed, environmentally friendly system
- Brush soaked in cleaning agent for manual cleaning

Art, No. 38257



Useful accessories for modern bodyshops

Every bodyshop should be equipped with innovative accessories to improve daily work processes.

SATA® PHR

Hand agitator for stirring paints and other sprayable media.

Art. No. 16477



SATA blow gun

Blow spray gun with multi nozzle for high efficiency at little air consumption.

Art. No. 15214

Blow nozzle (without illustration)

Art. No. 133306



Flexible connection nipple G 1/4

Art. No. 99895

Quick coupling nipple

Pack of 5 units (without illustration) Art. No. 6981



Paint strainers 300 μ

Pack of 10 units for SATA spray guns except for SATAminijet 3000 B. Art. No. 3988



■ SATA® air tester™

For the quick and reliable test of the atomisation air regarding substances causing coating flaws.

Art. No. 156299



SATA viscosity cup

Tolerance for flow time: < 1.5 sec.: Art. No. 9852

< 1 sec.: Art. No. 9845



■ SATA® RPS® wall dispenser

Basic kit for up to two cup sizes: Two aluminium brackets for wall mounting, each two tubes for cups and lids as well as two tubes for cup sieves

Art.no. 195784



SATA RPS rotawall adapter kit

Version wall bracket with rotating spindle to mount the basic version and the extension kit*

Art. No. 196543



■ SATA RPS rotafloor adapter kit

Workbench/floor version: Height-adjustable stand with floor plate and rotating spindle to mount the basic version* and the extension kit*

Art. No. 196550



SATA® adam 2™ / adam 2 mini™

Macht aus einer Standard-Lackierpistole eine "DIGITAL" zum Nachrüsten von SATA-Lackierpistolen ohne integrierte elektronische Druckmessung. Exaktes Einstellen und Anzeigen des Eingangsdrucks für höchste Farbtongenauigkeit. Für SATAjet-Lackierpistolen: Art. Nr. 160846 Für SATAminijet® 4400 B/3000 B: Art. Nr. 160879

SATA adam 2 U

Air micrometer G 1/4 with SATA adam 2 display for SATA dry jet and competitive spray guns Art. No. 195214

SATA dock

with 1/8 male thread to retrofit analogue pressure gauges e.g. in pneumatically operated units Art. No. 195925



SATA adam 2 Art. Nr. 160846







SATA adam 2 mini Art. Nr. 160879



High quality air and material hoses

To connect spray guns and material fed systems.

Antistatic, conductive, free of substances causing coating flaws, 20 bar pressure-resistant, high breaking safety. Available on rolls, cut into lengths and/or mounted as hose pairs.

Art.No. upon request



SATA® material coupling with plug-in nipple G 3/8 female thread

For quick spray gun connection and disconnection.

Art. No. 91140

Art. No. 91157 (with 60 msh strainer)



Material tube

for SATAjet 1000 K and 3000 K Art. No. 92031



■ SATA® cert

Reveal problems before they occur - with the regular control of the spray pattern. Art. No. 161596



SATA® care set™

Bag with useful utensils for spray gun cleaning and maintenance. Framed in red colour: Not included in delivery.

Art. No. 162628



Gun holder

For wall or table mounting. Useful tool for refilling SATA RPS disposable cups. Art. No. 40188



Triple spray gun holder

For gravity flow cup spray guns for wall mounting. Art. No. 134916



$\text{SATA}^{\text{\tiny{\$}}}$ universal spray gun and hose

For gravity and suction cups as well as for pressure fed spray guns. Art. No. 192195

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German Engineering – more than you expect

SATA spray guns are exclusively developed and manufactured in Germany.

State-of-the-art, highly efficient production facilities incorporating latest technology trends ensure highest precision during the manufacturing process of SATA spray guns. The continuous further improvement of products as well as manufacturing processes are essential elements of the company philosophy.



Quality Assurance: SATA spray guns are developed and manufactured in Germany exclusively. Every single production step is subject to strict quality controls.



Hand adjustment: Each nozzle set is separately manually "tuned" to optimise the spray fan.



Final assembly: The high precision components are assembled with ultimate care.



100% spray pattern check: This results in a perfect spray pattern meeting highest quality expectations.

Your SATA dealer



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