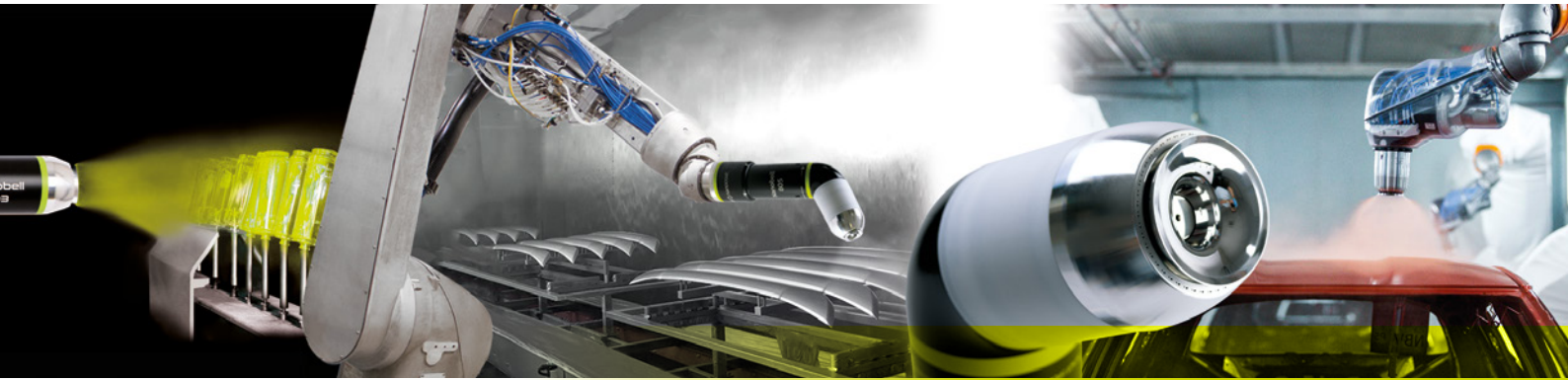




Nanobell 801 Automatic

Non-Electrostatic Rotary Bell Atomizer

Sames automotive expertise accessible to all industrial plants. At last!

Product highlights

- Premium Finishing Application
- High Transfer Efficiency - Low Overspray
- Safe Easy Installation - No High Voltage



BOND • PROTECT • BEAUTIFY

Nanobell 801 Automatic

Non-Electrostatic Rotary Bell Atomizer

Our first non-electrostatic rotary bell atomizer has been designed to meet the need of high finishing applications allowing paint savings at a reduced investment.

Nanobell 801 combines Airspray and Rotary Bell technologies to offer all the benefits of rotary bell atomization to non-electro applications at an enhanced production speed with easier set-up and operation.



Adapted industrial markets



Industrial



Transportation



Technical data table

Designation	Value	Unit
Maximum Air Pressure	7 (101)	bar (psi)
Viscosity Scale (min-max)	15-65	seconds FORD Cup#4
Minimum Flow	30 (0.008)	cc/min (gal/min)
Maximum Flow	800 (0.21)	cc/min (gal/min)
Standard Paint Flow	400 (0.10)	cc/min (gal/min)
Maximum Material Pressure	10 (145)	bar (psi)
Pilot Air Consumption	10	NI/min
Shaping Air Consumption (min-max)	200-900	NI/min
Bearing Air Consumption	125	NI/min
Weight	3-3,5 (6.6-7.7)	kg (lbs)
Certification	II 2 G Ex h IIA T6 Gb	
Rotation Speed	65000	tr./min (rpm)

Marking

Product	Type
Nanobell 801 Automatic	CE 0080  II 2 G Ex h IIA T6 Gb



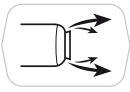
Technologies



EX Shape



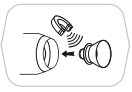
High Speed Turbine



Hi-TE



Quick disconnect



Magnetic cup



Rotating bell



Description

Premium Finishing Application

Renowned range of magnetic bell cups associated with NW (Narrow to Wide) air shroud from the unsurpassed expertise of Sames in Automotive industry allows taking advantage of the highest application quality.

High Transfer Efficiency - Low Overspray

Sames bell-spraying technology increases the transfer efficiency allowing huge savings (up to 30%) in Paint Consumption compared to conventional Airspray gun.

Safe & Easy Installation - No High Voltage

The non-electrostatic aspect brings a Safe & Easy Concept for integration, operation and maintenance whatever the material sprayed; either solvent-based, water-based, 1K or 2K paint and even on low payload robots.

To adapt to any kind of application, 4 bell cups sizes are available:

EC35 NW variable pattern from very narrow to small pattern

EC43 NW variable pattern from narrow to medium-large pattern

EC50/EX50 NW variable pattern from narrow to large pattern

Performances

- 1 - High bell speed rotation up to 65 000 RPM at various flowrates for fine atomization
- 2 - Patented Hi-TE Technology combining straight and vortex air for unsurpassed transfer efficiency
- Fast trigger response and minimal paint loss due to the proximity of trigger valve

Productivity

- 3 - Narrow Wide air shroud (NW) allowing fast & flexible pattern to fit complex-shaped parts to paint
- 4 - Compact design and lightweight allowing installation anywhere either fixed or on a reciprocator
- Complete range of magnetic bell cups for full bell/bell processes
- Easy controlling with BSC 300 bell speed controller offering remote monitoring

Sustainability

- 5 - Patented magnetic fixing of bell cups ensuring easy, safe, and fast installation
- High reliability of all components to maintain production uptime (valves lasting 3 million cycles, long-life air motor, robust fittings and magnetic bell cups)
- Bell cups available in Aluminum as Standard with a Titanium option offering extended lifetime



Equipment

Designation	Part number
Nanobell 801 - Straight Version Head only (without support tube)	910032432
Nanobell 801 - Straight Version (Reciprocator with support tube)	910032430
Nanobell 801 - Straight Version - 2K Head only (without support tube)	910032433
Nanobell 801 - Straight Version - 2K (Reciprocator with support tube)	910032431

Kits

Designation	Part number
Electrical Kit Including: BSC300 / Exhaust Microphone Sensor with 20m high flexible cable	910031939
Electrical Kit : BSC300 with Remote Display / Exhaust Microphone Sensor with 20m high flexible cable / Profinet Network Board	910037215



Additional information

[• User manual](#)[• Spare parts](#)[• Accessories](#)[• Documents](#)[• Videos](#)

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06/2026