



Equipment

Designation	Part number
NANOBELL 801 ROBOT with hollow wrist	910026947
NANOBELL 801 ROBOT with full wrist	910026946
NANOBELL 801 STRAIGHT	910028344
NANOBELL 801 STRAIGHT for Reciprocator, on tube D:63	910028849

Accessories

Designation	Part number
Support for hollow wrist robot	910026940
Support for full wrist robot	910026939
Support for reciprocator or static position, on tube D:63	1203616
Nut for tube D:63	1204441
Yaskawa EPX 2050 & 2900 Adapter	910018263
Fanuc P250 adapter	910019313
Staubli RX160 adapter	910018262
Staubli TX250 adapter	910018264
ABB IRB4400 adapter	910018261
Electrical Kit: BSC300, Microphone Sensor + Cable	910027017
EX65 Bell Cup Tool	1204427
EC50 Bell Cup Tool	90000803
EC35 Bell Cup Tool	900005784
Tools Kit: Air Shrouds tool + Fittings tool + Valves tool	910029117

Spare part

Designation	Part number
35 NW Air shroud	900018351
50 NW Air shroud	900018225
65 NW Air shroud	900018362
BELL CUP EC35 Aluminum	910000636
BELL CUP EC35 Titanium	910011188
BELL CUP EC50 Aluminum	910003159
BELL CUP EC50 Titanium	910008756
BELL CUP EX65 Aluminum	910004615
BELL CUP EX65 Titanium	910009383
Fitting set	910027909
Microvalve	1507375
O-ring kit	910027908




NANOBELL 801

Non-electrostatic rotary bell atomizer

Electrostatic / Robotic Bells



BREAKTHROUGH IN ROTARY BELL SOLUTIONS: THE AUTOMOTIVE HIGH FINISHING FOR ALL

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



AUTOMOTIVE



CONSUMERS



INDUSTRIAL



TRANSPORTATION

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Markets

NANOBELL 801



Non-electrostatic rotary bell atomizer

SAMES KREMLIN has designed its first non-electrostatic rotary bell atomizer 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.

Premium Finishing Application

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

High Transfer Efficiency - Low Overspray

SAMES KREMLIN 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, 3 bell cups sizes are available:

EC35 NW	variable pattern from very narrow to small pattern
EC50 NW	variable pattern from narrow to large pattern
EX65 NW	variable pattern from narrow to large pattern & fine atomization



Technical data table

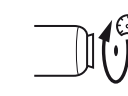
Designation	Value	Unit: metric (US)
Weight	3-3.5 (6.6-7.7)	kg (lbs)
Viscosity Scale (min-max)	20-40	seconds FORD Cup#4
Standard Material Supply Pressure	6-8 (87-116)	bar (psi)
Maximum Material Pressure	10 (145)	bar (psi)
Minimum Paint Flow	30 (0.008)	cc/min (gal/min)
Standard Paint Flow	400 (0.1)	cc/min (gal/min)
Maximum Paint Flow	800 (0.21)	cc/min (gal/min)
Shaping Air consumption (min-max)	200-900	NI/min
Bearing Air consumption	125	NI/min
Pilot Air consumption	10	NI/min
Maximum Air Pressure	7 (101)	bar (psi)
Rotation Speed	65 000	rpm



Technologies



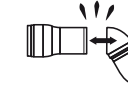
EX Shape



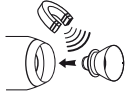
High Speed Turbine



Hi-TE



Quick Disconnect



Magnetic Cup



Rotating Bell

Performance

- 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 Lightweight & compact design suits all painting robots, full or hollow wrist even with low payload
 - ◆ 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



Description

