

Automatic Spray Gun RMA 1



Technical data

- Dimensions:
73 x 69 x 32 mm
(without gun mounting stud)
- Weight:
ca. 210 g aluminium version
ca. 470 g stainless steel version
- Diameter gun mounting stud:
14 mm
- Pilot air pressure: max. 8 bar
- Atomisation air pressure: max. 8 bar
- Fluid pressure: max. 12 bar
- Sound pressure level
(depending on nozzle):
ca. 65 - 85 dB(A)

Brief description

The RMA 1 automatic spray gun is a very compact automatic spray gun with quick-change function. Thanks to its compact size and low weight, it can be used wherever the coating space is limited and versatile functionality must nevertheless be guaranteed. The RMA 1 has two separate air ducts that can be controlled via proportional valves during the spraying process. The versatile XLINE nozzle program makes it possible to atomize almost all media. Typical areas of use include robot applications or continuous systems.

Available options

- Main element and adapter in aluminium (hard-coated) or in stainless steel
- Quick-change function or screwed-on adaptation of the spray gun
- Flat jets (XMFR-K, XMFR-MC, XMFR-MF), round jet (XMR-Z) and full-cone rotary jet nozzles (XMR-VD) in the sizes 0.2; 0.3; 0.5; 0.65; 0.8; 1.0; 1.2; 1.5; 1.8 and 2.0 mm
- Seals between adapter and automatic spray gun in EPDM (standard) or Viton
- With/without needle stroke adjustment
- Retaining bolt, desinged against accidentally turning, made of stainless steel, which can be mounted on the right or left side

Advantages

- Compact design
- XLINE nozzle system
- Varied nozzle system
- Nozzle diameter up to 2.0 mm
- Air nozzle indexing
- Main element and adapter in stainless steel and aluminium
- With quick-change function (optional)
- Long service life due to a floating needle
- Simple and fast maintenance
- Flat-jet and atomiser air can be regulated separately

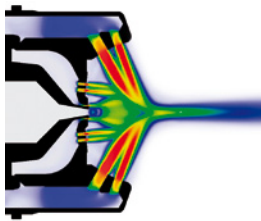
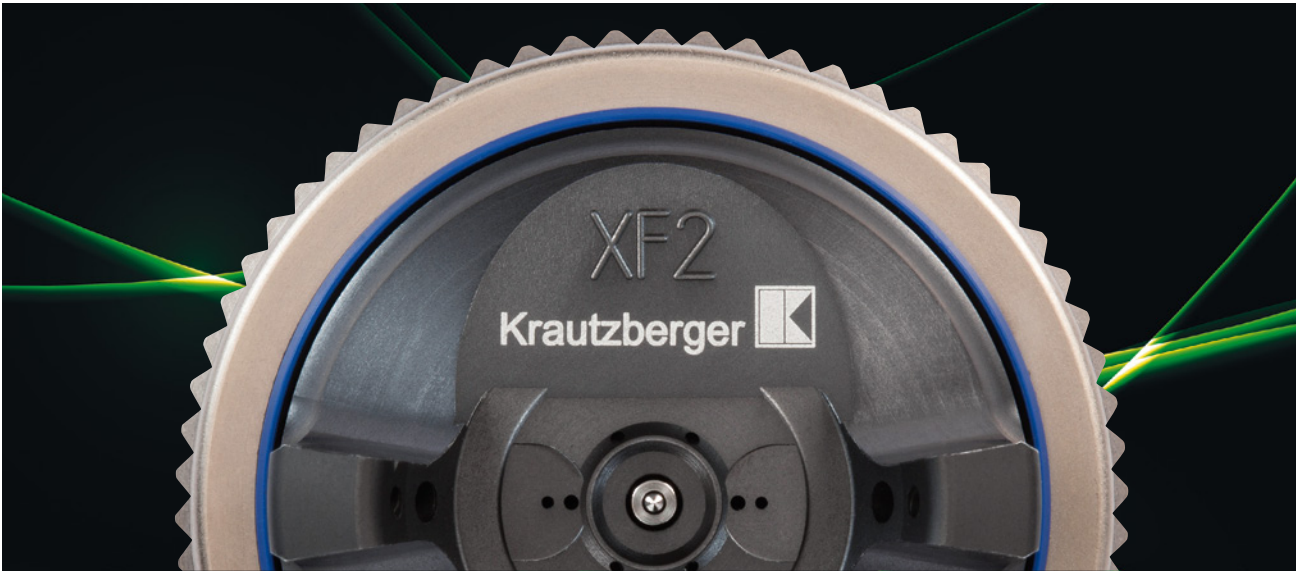


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Krautzberger GmbH
Stockbornstraße 13
D-65343 Eltville am Rhein
Phone: +49 (0) 6123 698-0
Fax: +49 (0) 6123 698-200

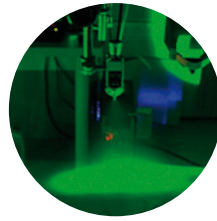
mail@krautzberger.com
www.krautzberger.com
Sales hotline
Phone: +49 (0) 6123 698-222
Fax: +49 (0) 6123 698-240

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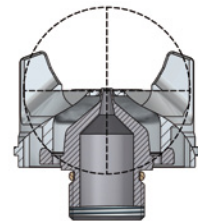
Optimisation via numerical flow simulation

Further improved transfer rates through the optimisation of interior geometry
 Reduced soiling due to new exterior design



Automated 100% control integrated in production process

Zero defect strategy for continuous quality improvement
 Improved reproducibility of the spray patterns



Functional improvement of the air nozzles

Optimal centring of the fluid nozzle and the air nozzle through a spherical system
 Improved separation of flat and round jet air



Standard finishing in anodised aluminium

Significant weight reduction (up to 60%)
 Easier cleaning
 For higher requirements also available in stainless steel, e.g. for use in the food and pharmaceutical industry



Improved handling and simple nozzle adjustment

Trapezoid threads enable insertion and tightening in one step
 Simple and exact positioning and fixation of the air nozzle



Colour-coded identification of the spray procedures

- BLUE
conventional compressed air
- DARK GREEN
HVLP procedure
- LIGHT GREEN
LVLP procedure



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Krautberger GmbH
 Stockbornstraße 13
 D-65343 Eltville am Rhein
 Phone: +49 (0) 6123 698-0
 Fax: +49 (0) 6123 698-200

mail@krautberger.com
 www.krautberger.com
 Sales hotline
 Phone: +49 (0) 6123 698-222
 Fax: +49 (0) 6123 698-240