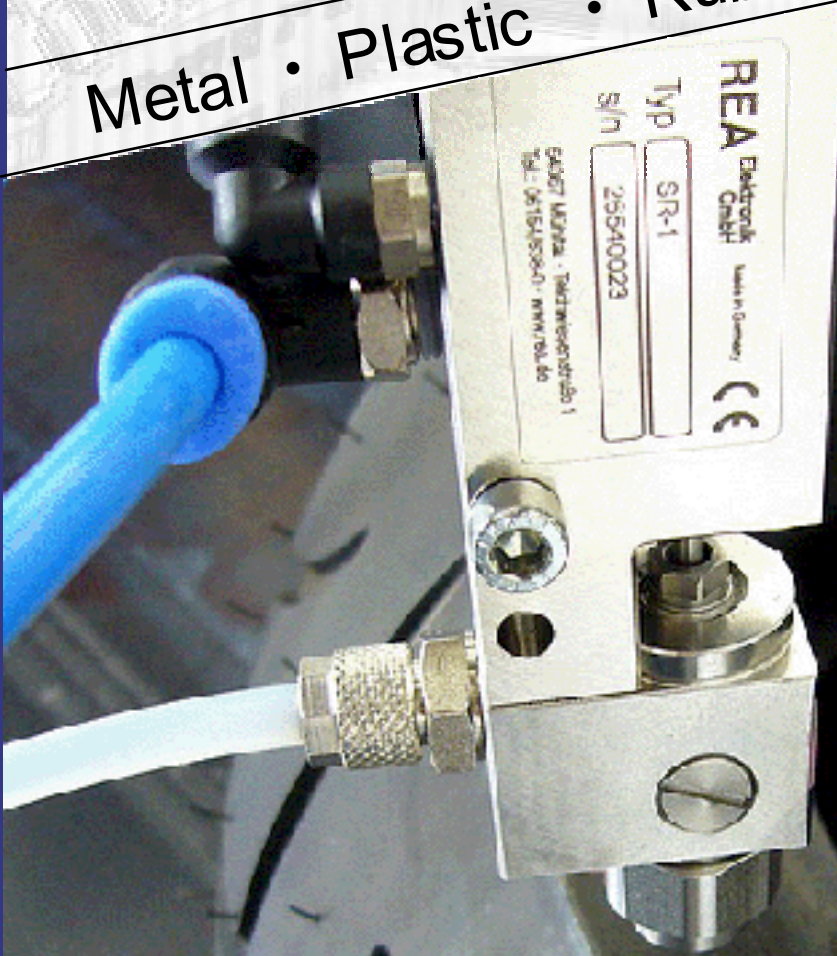


# REA-JET ST

Spray Mark System  
for precise dot and line marking

Metal • Plastic • Rubber • Wood •



# REA-JET ST

Coding and marking systems provide for a smooth manufacturing process, if after the manufacturing process your products have to be marked with a well visible colored dot or a colored line. Parts and components become clearly identified products which are supplied for further production processes.

Applications where line coding, precise point marking or surface coding with different high and low viscosity paints and varnish is required can be found in many variations throughout all different industry sectors such as the steel production, metalworking, electrical, food industry and woodworking. There is hardly any industry to be found where a spray mark system can not be used in a reasonable way.

The **REA-JET ST** spray technology marking systems are designed to apply all types of lacquer, inks, adhesives, lubricating greases, resins and mould release agents just to name a few. Our customers have very special dedicated requirements in terms of short drying time as well as clear visibility and legibility of the actual mark on oily, greasy, damp, absorbent and hot or dirty surface areas.

The large number of applications demonstrate the diversity and functionality of the **REA-JET ST** spray mark systems. Other areas of use are for accepted or rejected marking of production parts after quality inspection, marking of bending, folding and cutting edges or precise spreading of a coat of glue or adhesive.

The automatic **REA-JET** spray mark systems set themselves apart from others by the simplicity of use, low maintenance costs, their good reliability as well as the excellent repeatability of a high quality mark in every mounting direction. The compact design allows for trouble free integration into the existing production environment. Use of a simple adjustment procedure the size and the saturation of the mark can be adapted according to the customer specifications. To generate a well readable alphanumeric code several spray mark heads can be combined to form a spray mark block.

The **REA-JET** spray mark system is available in a flushable version. This special REA development allows for any remaining paint and varnish between nozzle and spray head to be removed after the last marking procedure. As a result the spray system is ready to go even after a longer period of time out of operation or when fast drying paints are processed.

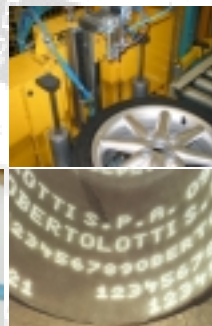
For coding and marking needs a wide variety of paints, and colors are available such as inks based on alcohol, acetone, MEK, water or solvent based inks, UV- and fluorescent colors, resins, hot-mark paints for surfaces up to 1200 degrees centigrade in temperature. These specialised inks and paints provide for a safe and reliable operation of the system.

The ink and paint material is supplied by means of special material tanks. These can hold up to 1.5 and 4.5 liters and provide for an even material supply. Upon request an agitator is available to steer up heavy paint particles.

The **REA-JET ST** spray mark system is driven by a pneumatic or magnetic valves which allow for a material flow for a fraction of a second or generate a permanent flow of ink or paint if desired to apply a dot mark or a line mark. This impulse can be triggered in various ways as for instance by means of a PLC system, a light or an optical sensor, a shaft encoder, or even manually.

**REA** offers the complete technology of the spray mark systems as well as a wide range of accessory items to adapt the system to meet the coding and marking requirements as well as the needs for a smooth integration of the spray mark system into your production facilities - everything from a single source.

## High-Tech for the Industry



## REA Elektronik GmbH

Rationalization • Engineering • Automation  
Electronic systems and components

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## Capability characteristics and technical specifications:

### Spray mark system SR-1

- nozzle size 0.3 - 2.0 mm
- needle stroke with snap in micro-adjustment
- air consumption: 80 l/min.
- round spray air head
- connector for flushing device (nozzle, air head) with integrated backstroke valve
- front body made from stainless steel, aluminium or brass nickel-plated
- block operation possible for speeds up to 50 m/min (5x7 dot matrix for alphanumerics)
- character heights between 40 and 200 mm. Dot size and color saturation adjustable
- needle package with PTFE notch seal
- needle and nozzle available in hard-coated finish
- weight starting from 280 g

### Spray mark system SR-M1

- no needle package but diaphragm system for sealing purposes instead
- especially designed to process for humidity sensitive and abrasive materials
- further technical specifications see SR-1 above

### Spray mark system SR-1 & SR-M1

- both types of spray mark systems are designed to form a pneumatic driven multi spray head REA spray mark block

### Material tank (1.5 and 4.5 liters filling capacity)

- high operational safety due to pulsation free material feed
- constant material consistency by means of an agitator 50-100 Rpm (no skin formation on the liquid surface)
- long life cycle because of barely any wearing parts
- material tank prepared for material circulation (e.g. for pigmented inks)
- operation with silica-gel filters or nitrogen admission possible when humidity sensitive materials are processed

### 3/2 way solenoid valve

- for control of the spray mark system (electric or pneumatic driven)

### Service unit (modular)

- preparation of supplied compressed air
- regulation of control air and spray air pressure
- connector for material tank
- modular design of the systems allows to combine several spray mark units to build a spray mark block for coding alphanumeric messages

### Tubes and hoses

- electrical conductive air hose
- Teflon hoses for material feeding

Alterations reserved