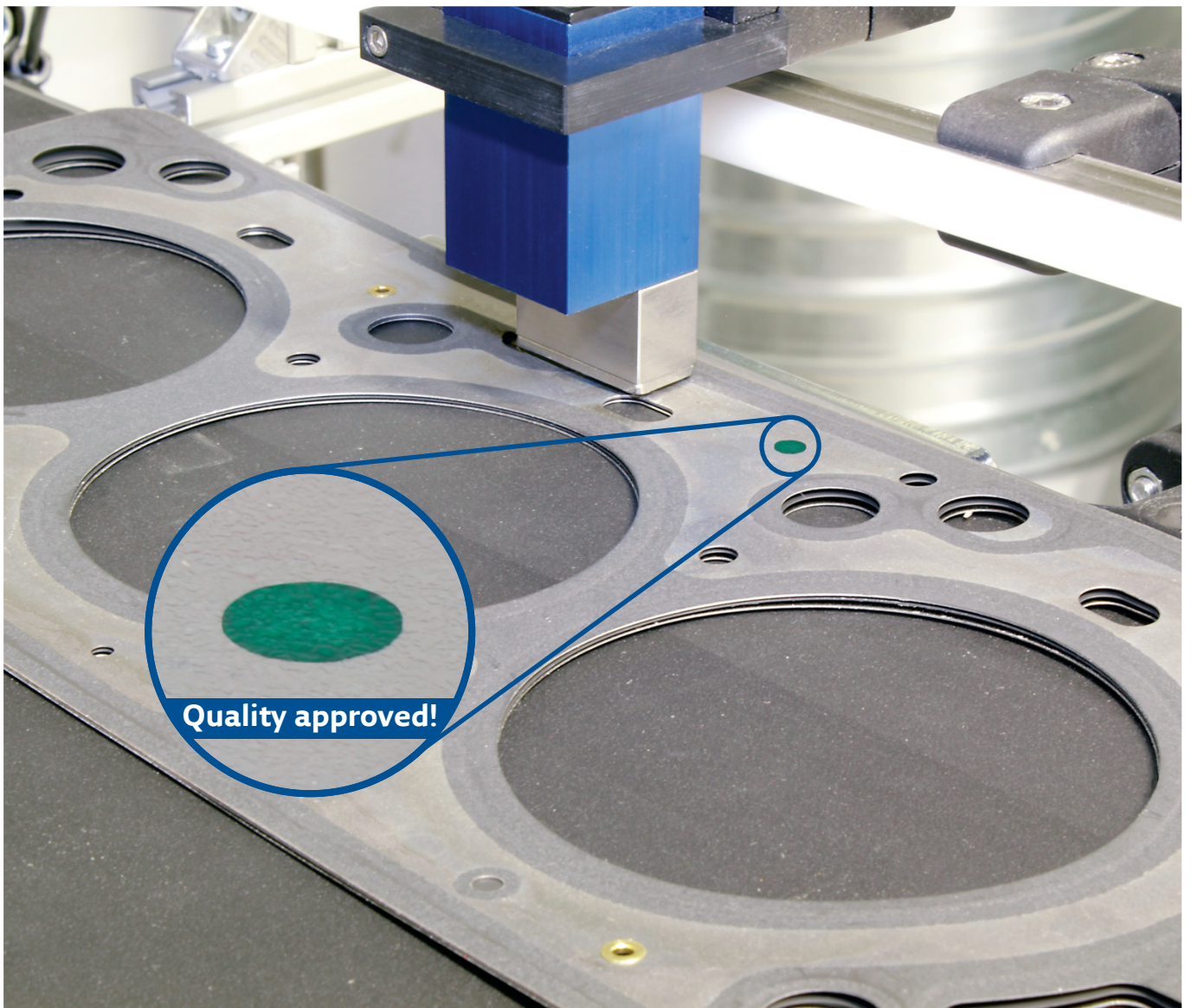


# REA JET

INDUSTRIAL CODING AND  
MARKING SOLUTIONS -  
MADE IN GERMANY

## REA JET EDC

Technology for quality marks, aid lines and  
pre-treatment in production and assembly



# Marking systems to apply quality marks and guide lines in production and assembly



Your products are subject to stringent quality requirements, and you want to show the quality to the outside for customers and make process optimization recognizable: with the REA JET EDC marking system you can mark your products after passing quality inspection e.g. with a green dot and herewith clearly show that they are in compliance with required criteria.

Do your products have to be put together with high precision? Simplify your assembly by applying ledger lines onto the parts to ensure that, in the end of the process, everything fits together perfectly.

Below you will find other applications in which a REA JET EDC marking system can help you to optimize processes, to set clearly visible optical signals and to ease further processing.

## Dot and line markings for a wide spectrum of use

- For quality assurance you can mark products with a dot to be recognized as either good or bad (use automatic camera recognition or via personnel)
- Colored line marking for pipes, profiles and endlessly manufactured products (e.g. extruded goods)
- Multi-colored dot and line marking for product type differentiation
- Welded seam marking in the manufacturing of metal profiles
- Automated detectable line markings for edge trimming
- Application of location and position markings, as well as “bend here” or “cut here” markings
- Clear product differentiation with just one color using marking patterns (dot, line, combinations)
- Marking hot spots when producing insulation materials



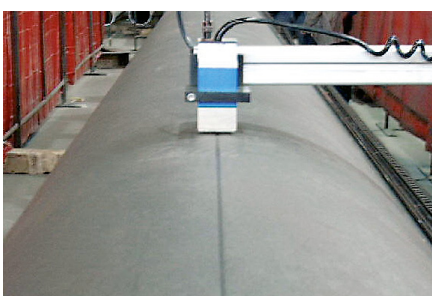
Line marking on steel cables as an assembly aid (swirl marks) for passenger lifts

## Sample applications for pre-treatments using liquid media

- Targeted application of coolant, cutting media or lubricants
- Application of flux for automatic soldering processes
- Sealing with protective varnish, such as in circuit board production
- Applying oils, separating agents, soaps or process water
- Targeted application of adhesives or screw seals
- Applying fragrances to cosmetic samples



EDC Controller: front and rear view



Weldseam marking on steel tubes



Quality marks on components



Ledger lines for proper assembly



## One dot controller (EDC) for REA JET one dot print heads and single spray mark heads

REA JET EDC is a compact marking system for dot and line marking using inks, paints and varnishes. The EDC controller allows to operate two REA JET EDS one dot print heads or two REA JET ST spray mark heads at the same time. Our customers use the system to apply dot and line markings of 0.5 up to 30 mm thickness onto their products. The marking can consist of individual dots, rows of dots, closed lines or a combination of these print modes.

The included Windows control software EDC Control allows to apply marking sequences consisting of a freely definable combination of dots and lines on the products. Up to 16 different sequences can be freely defined and can be selected via the interface or the digital inputs.

With a serial interface, analog and digital inputs and outputs, shaft encoder input and product sensor input, the system offers all the flexibility necessary for integration into existing applications and machines.

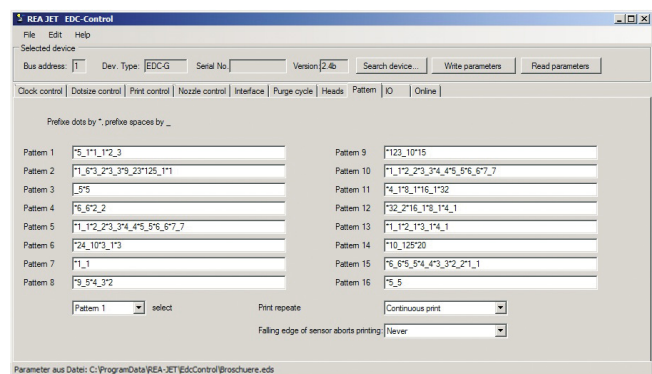
### Advantages of REA JET EDC

- Extremely precise application – always the same amount of medium
- Programmable templates (Morse code)
- Simple control through the product sensor, interface or analog/digital inputs and outputs
- Dots and line marking with diameters of between 0.5 mm to 30 mm (depending on the print head or spray mark head used)
- Print suppression for product moving backwards, pinpoint-precise restart upon forward movement
- Speed-independent printing and marking by rotary pulse generator or other external cycle, such as cycle signals from machines or PLC 0-10V signal
- System operation via PLC is available
- 6 configurable digital inputs (three of them can be converted to analog)

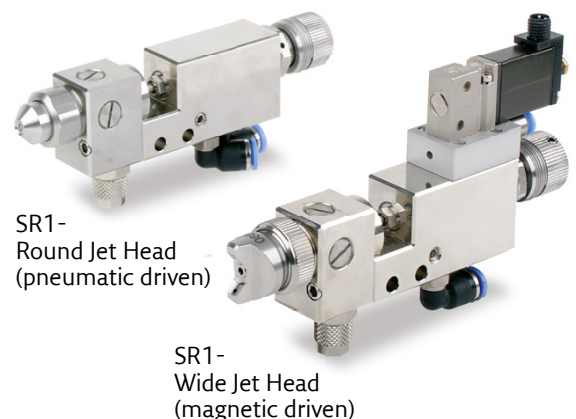
- 4 configurable digital outputs
- Dot size and cycle frequency adjustable with a rotary button right on the controller or through the interface
- Nozzle cleaning through burst mode: specially programmable opening sequences after long system downtime for immediate system availability

### Included control software EDC Control

- Intelligent “device search” with automatic adjustment of interface parameters
- Several controllers can be managed from the software. Any number of device settings can be saved to the PC
- Online mode for monitoring: print mode, belt speed display, digital inputs and outputs, rotary button setting for dot size and cycle frequency
- Customizable software layout by open transfer protocol for serial interfaces and log file on data transfer from and to the controller



EDC Control: Windows control software



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