



Extrusion and Injection Molding

Marking and Coding Extrusion and Injection Molding Parts

Products from extruders or injection molding machines are used in many different application areas. Permanent marking of extrusion and injection-molded parts plays an important role in the process, ensuring that individual parts or even the entire product can be traced seamlessly. Continuous inkjet printers from Marking Solutions are exceptionally well suited for marking tasks in the injection molding and extrusion industries. The Marking Solutions camera system can also be used to monitor printed data reliably and during ongoing production.

Typical Markings

- Characters and text
- Meter marking
- Batch numbers/lot numbers
- Company logos
- 1D and 2D codes
- Good/bad marking

Materials

- Plastics such as PE (polyethylene), PP (polypropylene), PVC (polyvinyl chloride), etc.
- Synthetic rubber/natural rubber/Buna rubber (polybutadiene)
- Foam materials
- Cables, wires and pipes
- Hoses
- ABS
- Films
- Window profiles
- Plastic toys

Examples of Typical Applications

- Traceability/track and trace/identification
- Special inks for the best durability on a wide assortment of different materials, e.g. heat-resistant inks
- Micro-printouts, particularly small font sizes down to 0.8 mm
- Marking of light colors on dark backgrounds
- Comprehensive software and hardware accessories for easy and flexible integration of a printer in product lines
- High-speed markings

Typical Print Monitoring Tasks

- Print monitoring/verification/image processing of various printouts
- Reliable monitoring of inkjet fonts (printouts of small character inkjet printers)



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