

PXR-D260E masters all challenges



Specialist in PLC programming

Growing in the sectors of
home appliance components
and automotive components

SIA srl was founded in 1995, operating in the field of industrial automation of production processes, with special focus on PLC programming. Since its foundation the company went through remarkable growth and become a major player in the market of supply-oriented systems. SIA srl is aimed to industries of home appliance components and automotive components, manufacturers and integrators of systems and machines.

Current printers replaced by Hitachi PXR-P

In 2012 Trusting replaced
existing printers with Hitachi
PXR-P in close cooperation
with local distributor

Due to specific design requirements, in 2012 it was necessary to insert a station for microcharacter inkjet printer in the production line that is capable of sustaining the production line while reducing the running and maintenance costs. SIA srl relies on a Hitachi PXR-D260E system with special ink K69, that provides the best performance in respect to the specific requests and in comparison to the competitors. The application consists of a printing station where the PXR printer prints directly onto the washing machines painted cabinet (finished product) at the exit of painting oven.

Challenging environment for PXR-D260E

Hitachi printer succeeds in under high temperature and multiple requirements



Especially the heavy work environment has led SIA to the choice of Hitachi Inkjet Printer products. The printer works properly and efficiently under high temperature changes with automatic regulation of ink viscosity.

In the marking process each component is coded with a product code, date and batch during a cycle-time of 9.5 sec./pcs.. All processes are managed by a Siemens PLC via serial interface. The particular shape and position of the print areas requires the adjustment of the print head for precise positioning.

The combination of specific software that is used with Siemens PLC and the PXR-D260E printer with yellow ink Y-91 makes it possible to limit the cycle marking within 5 sec./pcs.

Printing made by HITACHI Inkjet Printers has been tested successfully on a variety of materials such as painted steel, stainless steel, aluminum, polyethylene, raw casting, concrete.

For more information about Hitachi Coding & Marking Solutions, visit www.hitachi-industrial.eu