

## Case Study

# Automated compliance identification

A manufacturer automated compliance identification for a die-cast component, designed to optimise heating water systems.



## Case Study Overview



### Challenge

Fast label application with 0,1 mm tolerance



### Solution

Auto-apply 2 full colour labels simultaneously



### Result

Fast and efficient compliance labelling



## Challenge

### Fast labelling with 0,1 mm tolerance

A new production line to make quality die-cast components for heating water systems created an identification challenge for an innovative manufacturer.

The round custom-sized component had to be labelled in 2 places with a safety sign warning for compliance reasons. The volume of components produced, as well as a stringent 0,1 mm label placement tolerance, meant that labels could not be placed manually.

In addition, the selected label had to stay attached and remain legible up to 130°C, to cover worldwide variance in heating water temperatures.

# Why Brady?

Brady offers solutions that deliver in the workplace. Just like our labels, we stick with our customers to solve real issues using reliable solutions that identify people, products and premises.

[www.bradyeurope.com](http://www.bradyeurope.com)

## Solution

### Auto-apply 2 labels simultaneously

To keep pace with the manufacturer's new production line, Brady proposed an automated, high precision label application solution, fully integrated in 2 custom workstations. Labels applied can all resist 130°C to keep the identification solution compliant worldwide.

#### ▶ Integrated identification stations

With precise die-cast component dimensions, Brady created integrated identification stations that can apply labels automatically, accurately and precisely, with 0,1 mm tolerance.

The identification stations are ergonomic, with adjustable height. All parameters that could influence the minimum placement tolerance have been charted and safeguarded against, up to and including a label loading process.

When the die-cast component is placed in the station, and when safety buttons are pressed, 2 triangular warning labels are applied at once with automated label applicators. They are triggered by a clearly marked spot where the component can easily be placed without error for accurate automatic labelling.

#### ▶ Heat resistant labels, ready to apply

Brady proposed its B-7567 label material, which is able to resist temperatures of 130°C. The label will not discolour, crumble, tear and will stay attached even in higher temperatures. Thanks to their great reliability, the labels will be able to keep the radiator components compliant in markets worldwide.

Available both in 16x16 mm and 35x35mm, the labels are printed for a full year and are stored by Brady in optimal conditions. They can be delivered on call to the manufacturer the next day, and are supplied on label rolls that can immediately be inserted into the integrated identification stations.

#### ▶ Full colour

To identify the manufacturer's die-cast component in full compliance, Brady offered a relevant, ISO 7010-compliant label design for a triangular warning label. Printed in yellow and black, the label is laminated at Brady to additionally protect its legibility over time.

By adhering to the international ISO 7010 standard for safety signs, Brady maximised the warning symbol's recognisability and compliance in markets worldwide.

## Results

### Efficient compliance labelling

The manufacturer can now apply in seconds 2 compliant safety labels with 0,1 mm tolerance on innovative die-cast components. Because the label stays attached and remains in place, even when exposed to temperatures reaching up to 130°C, the components can be sold internationally in full compliance.

## Print and apply at production pace

Brady offers a range of systems that can print and apply labels automatically to support compliance and traceability for manufacturers worldwide. Our labels are researched, tested and adapted for automatic application to enable compliance and traceability at production pace.