

# item

## Press note

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### „Hot Stuff“

Labelling machine made for the identification of a heat shield insulations in the automotive industry



Materialauslauf.jpg

**With help of a modern blow off technique and the building kit system of item the company Wölco built a labelling machine for the American automotive industry.**

Labels cannot be dismissed from the manufacture industry and from ever days life. They can transfer information of production, logistics, origin and also adopt a protective function. The labels are as individual as the products, which they mark. The company Wölco try's to achieve this aim with their headquarters in Germany and their subsidiaries in USA and China. The three business units of Wölco are: product identification, identification system and system technique.

The main focuses of the company Wölco is laid-out on the manufacture of customer specific applications and dispense systems. A system for labelling heat shield panels in the automotive sector was planned and realised through the item building kit system.

Wölco relied on the company item Industrietechnik und Maschinenbau GmbH from Solingen, the inventor and supplier of the MB building kit system. These components are based on a building kit system made of aluminium profiles, which are both used for the machine design and the integrated protective enclosure.

The function of this labelling machine is very easy and takes over two work steps: first the identification labelling if wished and needed information for a logistical follow up. On the other side the label supports the further pull off function of the lamination sheet with a very strong adhesive.

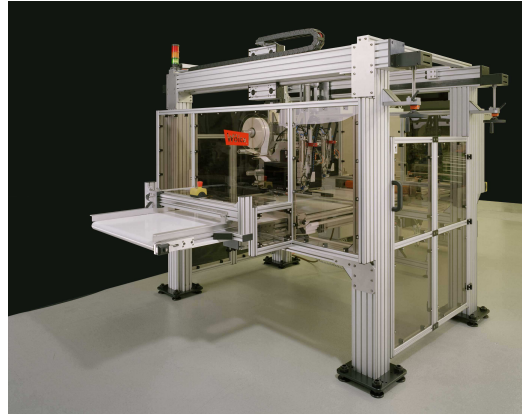
Wölco developed a special blow off technique, which blows the labels onto the heat shield panels.

Wölco relies on a contact free labelling technique, because the material condition of the isolation panels is very pressure-sensitive.

The construction and characteristics of this machine were specialised on the customer requirements.

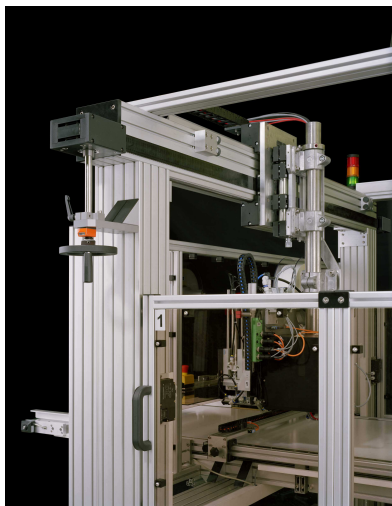
With this construction two different products can be marked with one label, or one product can be labelled with two different information labels.

The basic of this safe and vibration free stand builds up a very stable cabinet with high stress able levelling foot for this system. The profile 8 – 160x160 of the item MB building kit system in combination with horizontal linear guides were used.



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For the use of linear slides in this system bearing shafts and shaft-clamp profiles were inserted. The item patented guide system build the heart of the machine. The label application was placed on this unit.



Führungsschiene.jpg

With the change of production the whole label unit inclusive a thermotransferprinting system can be fulfilled over a stiff against torsion bearing very easily. Two parallel ordered linear drives work independently targeted from each other, and the recirculation of the timing belt is always inside a profile.

With the flexibility of the system sizeable products can be processed.

Sizes 50 x 20 mm up to 1200 x 750 mm and a height of 10 to 1000 mm can be labelled.

The size of this system is 2,7 x 4,6 m (w x l). Service doors made of construction profiles with an acrylic glass infill leads to an easy access for cleaning and maintenance.