



Mapex
INSPECTION

MANIFESTO

THE NEWS LETTER OF MAPEX INSPECTION

Autumn 2005

MAPEX VISION SYSTEMS GO ON

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The **Mapex Inspection** system **-VIS-** is arguably the most successful and versatile vision inspection platform in the container sector of the packaging industry.

The majority of systems that have been installed to date have been associated with the presence and position of

labels. The earlier simple position and position relative to other labels requirement has been enlarged to include label text verification. Text verification that will check label codes, alcohol by volume statements are critical defects within the wine and spirit industries.

Our **Labeller Monitoring** systems continue to provide valuable information to the packer related to the performance of the spotting star wheel, the individual label stations on his labeller. This positional information is invaluable to the maintenance engineers in set up or problem solving.

The VIS platform continues to evolve technically to keep pace with demand; the new network systems can now manage up to 16 camera systems from a single platform with a 12" TFT colour touch screen..

Applications outside labelling are increasing; closure checks for cocked cap, torn skirts, thread profile, tamper evident, bottle orientation, artwork verification and case inspection have all fallen into the "Can do" abilities of the VIS systems.

If you would like to discuss the possibilities of this system with your product please telephone or Email us on info@mapexinspection.co.uk



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12-17 Sept 2005

New Munich Trade Fair Centre



STAND

A3.103 / 202

INCREASED SALES IN 2004/5

M & A Packaging Services the parent company of **Mapex Inspection** has recorded record sales for the second successive year.

The leading product group is of course the Mapex Inspection range of on-line inspection devices. The increase cannot be attributed to one single aspect of the product range but is spread across the entire range of inspection and handling systems.

However having also increased our market spread the major sector increase is attributed to the Spirit packaging industry. **Mapex Inspection** having had a synergistic relationship with this important industry for some years their drive for improved appearance quality of their primary packaging has been achieved and in many circumstances surpassed. .

HOUSE NEWS

The Mapex Inspection

Sector of our company is expanding and to meet the increases in out system technology we are increasing our staff levels to meet the market conditions.

We announce the following increases to our staff:

Gawain Rawle joined us in March of 2005 and was appointed to the role of Projects Manager.



Gawain's role will be to improve the communication and implementation of increasingly complex inspection, sorting and handling projects.

Aldo Pezzani joined us in May 2005 as Scottish Technical Manager. Aldo's appointment to this important role is in reaction to the significant amount of business that Mapex



Inspection are doing in Scotland. Based in the Stirling area, Aldo will provide first line technical service and spares support to all current and prospective Mapex Inspection equipment users in Scotland.

Exhibitions

September 2005

drinktec



12-17 Sept 2005

New Munich Trade Fair Centre

See us at:

Hall A3

Stand 103 / 202

COMMUNICATIONS



New Link System Commissioned

Mapex Inspection has recently successfully commissioned a linked inspection system that in addition to performing a complete range of container checks along the length of the line is able to communicate the production performance data as it happens to the clients data collation system.

The scope of the project included and combined the very latest inspection technology with proven management systems and up to the moment reporting communications. The resultant "Link" was specifically designed by our engineers to meet the clients high performance specification; the inspection modules have to be flexible in their capability to match the clients range of high value prestigious brands and be able to switch from one brands or dress to another at a moments notice. Many bottle shapes, closure types have been catered for within the demanding client specification. This rapid change over has been accommodated by the systems ability to store on flash cards the vision inspection criteria for each Brand's market dress requirement.



The inspection systems included in the "Link" are: **Rinser Monitoring**, **Fill level** both under and over, **Filler Valve Monitoring**, **Closure** presence and credibility, **Glue spot** monitoring, **Capsule** presence and credibility, **Tamper evident** band presence and

position, laser code presence and the vision systems for **Bottle orientation** and **Label** inspection.

In all the **Mapex "Link"** system manages **10 camera** systems covering such diverse inspections as glue spot analysis to label presence, position and verification. In supervisory terms each inspection zone has its own plc which in addition to managing the local inspection devices also collects and sends the local production data to the master plc for onward transmission to the clients supervisory control data collation systems.



MAPEX WEB SITE

The **Mapex Website** is currently undergoing a "Refresh" exercise; the new site will bring you even more information relative to our company and our products. We shall continue the development of our information center not just for our products and their development but for inspection relative information such as government and EU regulation changes.



For the example the guide line for safe working covering expectant or breast feeding mothers working with ionising radiation issued by our HSE.

For more information visit on our site. www.mapexinspection.co.uk

WHAT'S NEW

We aim, as previously stated, with each issue of **Manifesto**, to provide our readers with jargon free information on the various standard features associated with our communications package and what it can provide for your benefit.

This time around we wish to advise on **WOT'S NEW.....**

NEW PASSWORD SOFTWARE

In August 2005 we responded to demand from our customers for a more secure password system within our Operating Platforms.

In outline the new software still provides entry at 4 levels of access thus Operator/Supervisor/Engineering/Administrator; however there are some significant changes.

- Each user, irrespective of level, will be given a unique individual user entry password; there can be up to 98 passwords/codes.
- The user will be able to enter the system at their nominated level after entering their individual password; after completing their task the user must log-out.
- Details of every entry/exit from the password-dominated areas will be recorded in an Access Log; access to this log is only available to the administrator.
- At every access level there is preset time on-line, this is programmable, if the individual user does not log-out the system will close the link. Before automatic closure a single warning flash will be raised; if a time extension is not requested the system will automatically log-out. The automatic log-out will be recorded against the last user in access Log.

NEW INTERACTIVE TRAINING MANUAL

HMIs (Human Machine Interfaces) can be a daunting prospect for the uninitiated that's why we have included an interactive pc version of our touch screen software on the all new CD orientated Manual. This pc version allows all trainees to practise off-line without the "production" factor

This Manual CD carries PDF versions of the more conventional hard copy manuals so you can print as many copies as you want without extra cost.

In addition there is also other reference information that will be of use to all inspection system users

NEW ADVANCED VISION TECHNOLOGY

Mapex Inspection has developed and will shortly introduced a very new vision device branded "**3T**" (short for Touch To Teach) to our vision portfolio.

The new device takes some of the established elements of vision technology but keeps to the **SIMPLE** principle that means simple high-speed operation.

The sensor is set up with minimum effort and because it is linked to a **Mapex Inspection** operating platform it is ready to go. All that remains is to "teach" the device the norm and it is ready to go, any variation in the geometric matching done by the sensor software will result in a fault signal being issued for rejection or E-stop purposes.



Remember...

*The **MAPEX FLO** laser based system negates the need for*

RADIATION



Mapex Inspection act as a **Specialist Integrator** for Omron Electronics within the packaging sector; specifically with regard to vision applications.

Since the third quarter of 2004 Omron have introduced new vision technologies into the marketplace; **Mapex Inspection** are amongst the first European companies to apply these tools.

The release to market of new Omron products will continue into 2005 and beyond. **Mapex Inspection** are committed to the application of advanced tools to resolve real world, production line issues.

Mapex Inspection also continues to use the "best fit" technology to suit the application in hand.



MAPEX INSPECTION

Following the recent, highly publicised, takeover of Allied Domecq by Pernod Ricard; Chivas Bros of Paisley and Newbridge have conducted an in depth review of the extensive range of Mapex Inspection equipment installed at the Allied Distillers plant in Dumbarton.

Mapex Inspection have a wide variety of installations on ten (10) bottling lines at the Allied Distillers plant in Dumbarton and are Preferred Inspection Equipment suppliers to Allied Distillers

Chivas Regal have been a Mapex Inspection customer since 2004 and we look forward to introducing them to the full benefits of Mapex Inspection



BAR CODE VALIDATION

Mapex Inspection is currently handling many projects related to Bar Codes. There is undoubtedly a need to validate printed bar codes on bottle, cans, bags, and cases so that both manufacturers and retailers can be assured that their product is correctly identified and correctly priced in the distribution cycle.

We have handled a number of successful projects where the bar codes on every package are read and through a stored look up table those codes are compared with the production program expectation.

Bar Code miss-reads on transit packaging and pallet loads are becoming an expensive problem in the retailer distribution systems with some retailers fining their suppliers heavily for bar code miss-reads clogging up their automated systems and this at a time when the unit cost is under pressure because of the super retailer price wars.

For more information please contact us we would be delighted to offer advice on this subject.

BAR CODES IN DISTRIBUTION

Mapex Inspection have completed a interesting project that involves bar code scanning within a major manufacturer's in-house distribution system. The project calls for the scanning and identifying of bar codes on shipping cases and through a look up table and complex communications link provide the handling system with a routing requirement to the appropriate palletiser. More detailed information is available on request.



drinktec—Munich

We shall, for the first time, be exhibiting at the prestigious **drinktec** exhibition in Munich in September 2005; we will display a new version of the Mapex Laser Fill Level system on the stand of **Hartness International**. (Stand A3.103 / 202)

Our unit will be mounted on the discharge of the very **NEW** twin stream Filler / Capper handling system; in addition to the laser unit the unit will illustrate **Mapex** VIS vision system.

If you would like further information on any of the items listed above or wish to be included on our news letter circulation, Email us.

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