



# CUSTOM 2138 PRINT & APPLY SYSTEM



## CHALLENGE

An international copper fitting manufacturer required a variably printed label to be applied to the tops of 12 sizes of fittings that included elbows, tees, crosses, and couplings. Product sizes ranged from 1 1/2" in diameter to 3" in diameter.

## SOLUTION

Label-Aire designed a turnkey system which includes a Model 2138 inverted tamp blow printer applicator mounted on vertical and horizontal gib slides for precision adjustment. Currently, the products are hand loaded onto a 6" wide x 10' long conveyor and positioned with adjustable custom guide rails. The bar code labels are printed and applied to the products and then scanned by a Microscan bar code reader. The bar coded product is verified for correctness and is air cylinder ejected onto an eject chute if a match is not verified. A missing label detection device is also incorporated into the system and the product is also ejected if a label is not detected on the product. A secondary motorized foam impressor wheel completes the label lay down.

The system is capable of printing and applying up to 90 products per minute with a placement accuracy of  $\pm 1/32"$ .

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