



Printer and movement axis from a single source – the perfect system solution

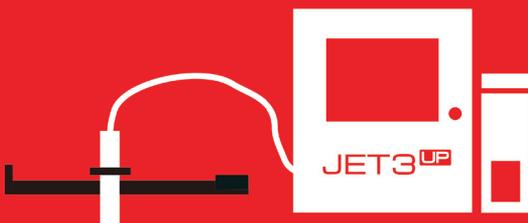


LEIBINGER traverse system

JET *motion*

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JETmotion

AUTOMATED MARKING OF PRODUCT ROWS

The LEIBINGER JETmotion is the automated traverse system for the JET2neo and JET3up series of devices. When products are marked, they are usually led past the printhead of the inkjet printer and coded while moving. When this is not possible, the LEIBINGER JETmotion traverse system can be used. Here, the printhead is fastened on the traverse and moved vertically; that means, the printhead moves over the individual products (for example, in a row) and prints on these from above.

WIDE RANGE OF POSSIBLE APPLICATIONS

The system solution, which consists of a LEIBINGER inkjet printer and the JETmotion traverse system, is suitable for very diverse printing requirements, including pipes, printed circuit boards, electrical and electronic components, steel and plastic products, profiles and packages of all kinds. In addition to automated marking of stationary products, it is also possible to print on moving parts in multiple lanes, for example, during extrusion of plastic profiles. The speed at which the traverse moves is always synchronized with the print output.

BIDIRECTIONAL PRINTING

The JETmotion can also be used in intermittent motion machines, such as thermoformed packaging machines. The idle period is used for imprinting products. After each cycle of the packaging machine, the JETmotion axis moves the printhead over the filled and sealed trays and prints the desired information onto each individual tray in the entire row. After the next machine cycle, the process repeats in reverse order and the next row of trays is imprinted by the inkjet printer on its way back. So the JETmotion first prints moving forwards, and then immediately switches direction and prints again moving backwards. Adaptation of the print layout is fully automatic, just like the switching of directions.

MARKING AND CODING IN A MULTI-AXIS SYSTEM

Imprinting of products in multiple-up applications or in small ranges is possible when using the expanded LEIBINGER JETmotion as an automated XY traverse system. In combination with the WINJET3 XY software, the products are marked and coded from left to right and from top to bottom. The software calculates the optimum travel path on the XY traverse system before printing and then adapts the path automatically to the quickest processing time. This saves time and makes production more efficient.



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Good reasons to choose LEIBINGER JETmotion

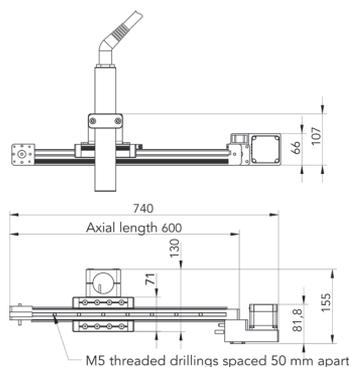
- » Reliable and very fast movement of the printhead for marking all kinds of products
- » For use with packaging machines, intermittent motion machines or as a stand-alone solution
- » Uses forward/reverse movement by automatically switching the print direction
- » XY traverse system for marking in multiple-up applications or in small product ranges

PLUG-AND-PLAY

Fast and flexible installation due to movable attachment rails with threaded drillings on the bottom side of the traverse

Fast and easy adaptation of the software to a wide variety of applications

Parameters like the speed and path can be customized



SCOPE OF DELIVERY

- » Standard axis with motor and slide, axis length 600mm (labeling path 443mm)
- » Complete set of cables (connection between JET2neo/JET3up and JETmotion)
- » Standard printhead bracket
- » JETmotion controller for axis control (4 inputs, 4 outputs, emergency stop)
- » Available in 230V and 120V versions
- » Software for configuring the JETmotion parameters
- » Optional: stainless version of the traverse and various traverse lengths up to a maximum of 6000mm (max. labeling path 5840mm)

ACCESSORIES

- » „Two-hand operation“ key set, for work-spaces with a manual start command
- » Pedal switch



Technical specifications

| | |
|-----------------------|-----------------------|
| Max. speed | 0,8 m/s |
| Load of the movement | 2.5 kg |
| Drive | 2-phase stepper motor |
| I/O – In- and Outputs | 4 |
| Encoder | RS422 |



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