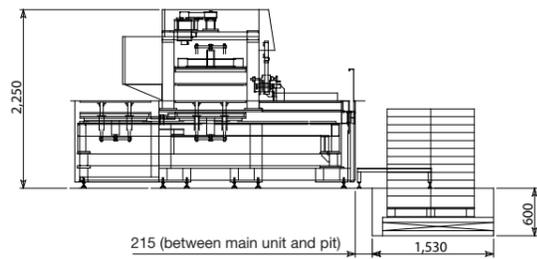
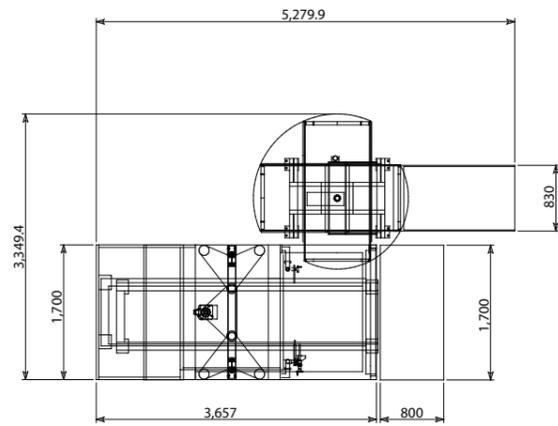


MASTER BLANKER UT

Blanking System



Master Blanker UT

Model:	MBL-UT
Main unit weight:	4,500 kg
Main unit size:	1,700 mm (W) x 3,657 mm (D) x 2,250 mm (H)
Power requirements:	3-phase, 3-line 200 V AC, 9 kVA
Air consumption:	Blow amount 400 l/min.; blow pressure 0.6-0.8 mpa
Optimal usage temperature:	5°C-40°C
Optimal humidity:	10%-80% (no condensation)

Punch work dimensions:	800 mm x 1,100 mm (max.) / 500 mm x 680 mm (min.) *When using two paper size adjuster attachments: 480 mm x 300 mm
Control system:	FANUC
Pin diameter:	φ10 mm
Number of pins:	3,961
Distance between pins (vertical):	16 mm
Distance between pins (horizontal):	16 mm

- The specifications and product design shown in this catalog are subject to change without notice.
- We can modify or arrange this system to match your requests and the place of installation.
- Productivity is to be considered only as a guideline, and may change according to the shape and material used in production.



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Low-cost blanking system that requires less space than ever

Blanking System

MASTER BLANKER UT

The Master Blanker UT blanking system offers semi-automated waste removal, at a lower cost and in a more compact space than the previous series—and all this without compromising our high level of quality.

This system uses a proprietary pin system for blanking of even smaller products, significantly reducing paper dust compared to regular waste removal by hand or by using electric tools.

The Master Blanker UT handles mixed, small-lot production to meet industrial needs with speed.

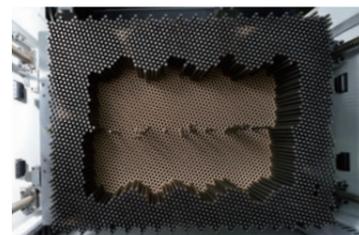


High precision and high quality

The Master Blanker UT uses a unique pin system in order to blank even smaller products. Around 4,000 pins (10Φ) are laid out in 16 mm intervals, and the upper and lower pins are sectionalized as necessary. This system is optimal for items that required a lot of manual labor, such as small products.

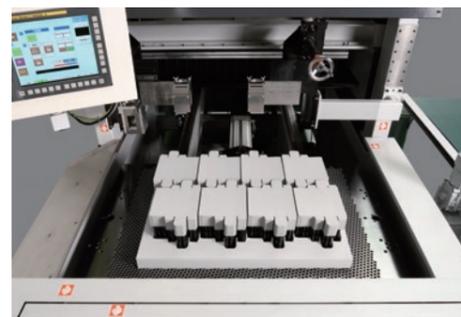


Lower pins



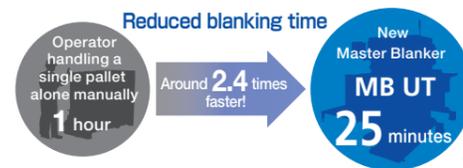
Upper pins

High productivity



The Master Blanker UT improves waste removal processing efficiency by 2.4 times. Blanking can be done in cycles of approximately 25 seconds*. Since the product is unloaded to where the worker is, the worker can do both blanking and inspection by themselves. Changing jobs only takes five minutes (setting of the template and pins). This offers a high rate of operations even for mixed, small-lot jobs, and makes production more efficient.

* Not including time required to manually remove the product from the system.



Low cost, compact space

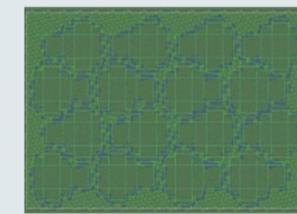
The new Master Blanker UT retains the same high blanking performance of the previous series, while offering a high level of cost performance. This system requires a smaller amount of space, owing to its compact design and reduced work area.

Although the MB UT is an entry-level model, it still sports the same device architecture as the previous series, making it durable without the need for frequent repairs, and keeping down time to a bare minimum. You'll enjoy a high level of productivity with this new system.

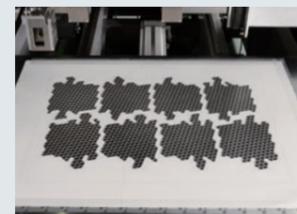
A unique template format makes it easy for operators to create blanking forms from die board CAD data.

The Master Blanker UT uses paperboards for the blanking templates. The paperboard templates are attached to the device, allowing it to sectionalize the upper or lower pins (around 4,000 pins) as necessary. Dedicated CAD software and a cutting machine* are used to easily create blanking templates from the die board data. The paperboards can be used as templates after die cutting, even if a cutting machine is not available.

* Requires a ZUND series cutting machine, or a cutting machine made by the respective manufacturer.



Pin adjustment screen



Paperboard template

Increased press force handles slippery materials.

An air cylinder is used to increase the press holding power during blanking. The Master Blanker UT's mechanism keeps product slippage to a minimum, making it possible to blank plastics or smaller products.



Easy to operate with less personnel and greater efficiency

This easy-to-operate system includes features that allow just one person to do all the work from loading the product to blanking and inspection. The touch screen makes the system simple for anyone to use. Job automation reduces the number of personnel required to operate the machine, significantly improving efficiency.



Paper dust dramatically reduced for greater cleanliness and less mechanical failure.

The Master Blanker UT creates significantly less paper dust than traditional hammer processing or manual waste removal operations, which makes a big difference in quality control by creating cleaner products. This makes the Master Blanker UT particularly well suited for the production of delicate workpieces where cleanliness is crucial, including those used for food and pharmaceuticals.

