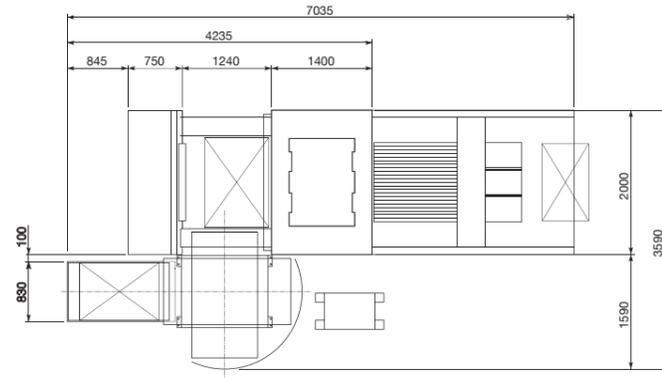


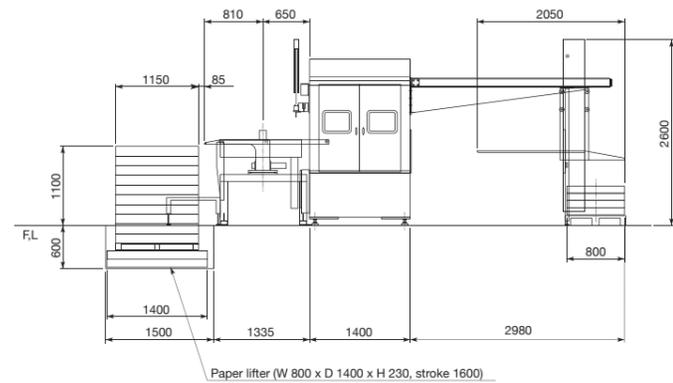
# Master Blanker: Primary Specifications

External dimensions

B1 size



B2 size



Automatic palletizer

## Master Blanker (B1 size)

Main unit size:	W 2,000 mm x D 2,730 mm x H 2,650 mm
Main unit weight:	Approximately 2,800 kg
Maximum processing size:	800 mm x 1,100 mm (standard)
Processing capacity:	9,000 – 12,000 sheets/hour
Pin diameter (upper/lower):	Upper pins: Ø6 mm; Lower pins: Ø14 mm
Number of pins (upper/lower):	3,961 upper pins; 1,333 lower pins
Air blower:	3.7 kW (5 HP) *Compressor is a separate option.
Power requirements (main unit):	3-phase 200 V 60 A

## Master Blanker (B2 size)

Main unit size:	W 1,700 mm x D 2,330 mm x H 2,650 mm
Main unit weight:	Approximately 2,100 kg
Maximum processing size:	550 mm x 800 mm (standard)
Processing capacity:	9,000 – 12,000 sheets/hour
Pin diameter (upper/lower):	Upper pins: Ø6 mm; Lower pins: Ø14 mm
Number of pins (upper/lower):	2,229 upper pins; 875 lower pins
Air blower:	3.7 kW (5 HP) *Compressor is a separate option.
Power requirements (main unit):	3-phase 200 V 60 A

# LASERCK

Blanking System

For B1 size (800 mm x 1,100 mm)

For B2 size (600 mm x 820 mm)

# MASTER BLANKER

High-Speed Automated Blanking System



LASERCK CORPORATION



Headquarters/ Factory 2-91 Wakabayashi-cho, Yao City, Osaka 581-0038 JAPAN  
Phone: 072-920-0394 Fax: 072-920-0392

Tokyo Office 10-1 Minamiuhiroya, Yashio City, Saitama 340-0831 JAPAN  
Phone: 048-932-0394 Fax: 048-935-0766

[www.laserck.com](http://www.laserck.com) E-Mail: [info@laserck.com](mailto:info@laserck.com)

# Full Automation of Waste Removal Processing Following Die Cutting Uniquely Suited for Multi-Product, Small-Lot Production

## Features

### High precision and high quality

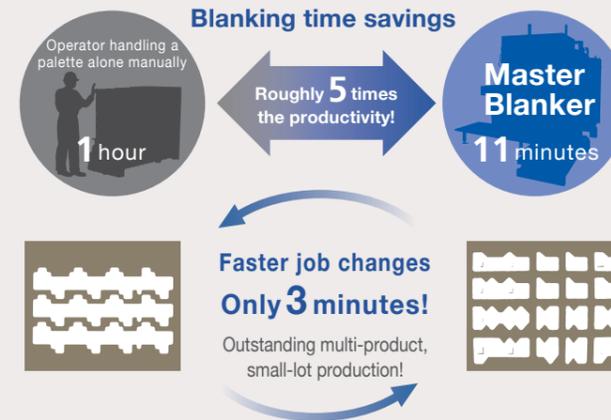
LASERCK has done a great deal of research to develop a system that works even in the production of complicated blanks. The company's unique arrangement of roughly 4000<sup>\*1</sup> upper pins and 1300<sup>\*1</sup> lower pins, the ends of which are treated with a special resin to help prevent stroke marks, can be pressed together to create a variety of package shapes and sizes. Even shapes that are a challenge to create using manual waste removal procedures can be created with high precision using this blanking unit.

\*1 This number of pins is for B1 size.



### High productivity

The Master Blanker quintuples waste removal processing efficiency. Since it can perform blanking of materials up to 85 mm thick in a cycle of roughly 40 seconds, it can process an entire pallet (about 1,400 mm tall) in about 11 minutes. What's more, it only takes three minutes to complete the job change process. The Master Blanker truly breaks the mold when it comes to multi-product, small-lot production.



### Reduced costs

The Master Blanker features a unique arrangement of upper and lower pins. Since expensive male/female blanking boards are not required, running costs are dramatically reduced.

### Easy operation

The Master Blanker features easy operation for everything from blanking to changing jobs, so a single operator can handle the unit. The Master Blanker also saves both the labor and the time that used to be required for manual waste removal operations.

### Healthier products

Since the Master Blanker creates significantly less paper dust than traditional hammer processing or manual waste removal operations, the Master Blanker ensures quality control by creating cleaner products. What's more, when the automatic palletizer<sup>\*2</sup> is used, there is no need for operators to touch the workpiece while loading it after blanking is complete. This makes the Master Blanker particularly well suited for the production of delicate workpieces, including those used for food and pharmaceuticals.

\*2 The automatic palletizer is an optional product.

The Master Blanker is a high-speed off-line blanking unit that automates waste removal processing — a step which has generally had to be handled manually before now. Not only does the Master Blanker mechanize the waste removal process, but when combined with the appropriate optional products, it also promotes greater automation of the entire production process. The Master Blanker offers an attractive combination of low running costs, high quality output, and high efficiency production.

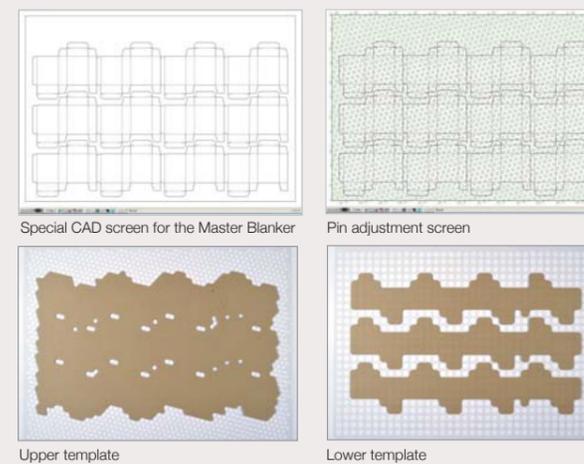
What's more, thanks to LASERCK's unique upper and lower pin design, the Master Blanker's cycle time is reduced and job changes are lightning fast. This enables the unit to adapt to the varying needs of facilities that demand high productivity. The Master Blanker is uniquely suited to today's era, where businesses need a flexible production system that can contend with a changing market and increasingly complex customer needs while creating small lots of many different products.

## Topics

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

The Master Blanker features a template system that sectionalizes the unit's upper and lower pins using paperboards. This makes it easy to create blanking templates with the help of dedicated CAD software and a cutting machine<sup>\*3</sup>. What's more, if suitable data is not available, the actual product can be used to create a template after die cutting.

\*3 Sample cutting machine is required.



### A flexible layout for a variety of customer needs. Several optional products can also be added. Everything is set up especially for the user.

Two units are available, one for B1 size and the other for B2 size. What's more, users can increase productivity and create the perfect blanking system for their needs by combining a variety of optional products that do everything from loading and unloading workpieces to stacking.



#### Automated rotating conveyor

This rotating conveyor for standard systems is semi-automated, and handles the materials once they are set in place. The automated rotating conveyor reduces labor for the operator, enables easy, fast processing, and increases efficiency.



#### Automatic palletizer

When the automatic palletizer is used, a workpiece removal comb can be positioned behind the Master Blanker for use after blanking. This comb lifts the workpiece and transfers it onto the conveyor, which automatically places it on the pallet. If the automatic palletizer is not used, the workpiece is delivered in front of the operator.

### Change jobs in just three minutes! Support for multi-product, small-lot production.

Changing jobs is as quick and easy as changing templates. Whether you are creating small lots of multiple products or temporarily interrupting production on a large-volume job to fit in an urgent smaller job, the Master Blanker makes everything run smoothly.

