

**Die cutting and creasing machine
with stripping device**

model Brausse Bora 1450E

All machines installed by Brausse Europe will have the VinTechMa label. www.vintechma.com

Highlights of the Brausse Europe machines

- Extremely smoothly running due to the unique index box drive of the main chain, driven by gears instead of timing belt
- All electrical components are off the shelf brand names such as Omron and Siemens
- All PLC controls are from Mitsubishi
- Main clutch from Spanish manufacturer Goizper
- All operating software in the local language

1



Pictures might be slightly different from reality

Brausse Europe
Siloweg 612
5222 BM 's-Hertogenbosch
The Netherlands

F +31 73 623 74 75
E info@brausse-europe.com
I www.brausse-europe.com

Bank number NL 56 ING 8000 56 373 31
BIC number INGBNL2A
Bank ING 56.37.331
VAT number NL 8227 61 877 801

Registered at the Chamber of Commerce, 's-Hertogenbosch under number 54 14 83 40

Brausse is a trade name of Shanghai Eterna Machinery Ltd, manufacturer of the Brausse equipment.
Brausse Europe is a trade name of Packaging Machinery Trade BV. The name Brausse Europe is owned by V.v.d.Heijden.

Standard equipment

General

- Each gripper bar can be individually shimmed to ensure very accurate and smooth sheet transport in case of uneven chain stretching after years of production
- Gripper bar locking levers can be adjusted by micro adjustment screws
- Alloy gripper bars with a hard chrome surface made by special process
- Radiator cooling for recycling toggle drive lubrication system
- Catwalk with safety rail
- Drawer for spare parts
- Complete lost sheets control throughout the entire machine
- Self diagnostic system with indication on a color LCD screen
- Modem with telephone connection for online assistance by problems with electronics (customer has to take care for a dedicated telephone line)
- CE certified
- CE standard safety systems for safe operation
- Emergency stop at arm length
- Centre line system

Feeder

- Suction head with several adjustment possibilities to handle different kind of materials
- Patent turbo spiral air blower pressing foot at feeder head
- Four pick up and six forward suck heads with angle adjustment
- Fine air blast at lead edge for smooth thin paper transport
- Motorized side adjustment of pallet table. Pile adjustment during production
- Electrical double sheet control
- Feed in rollers combined with feed belt system, for better feeding of heavier materials or corrugated board
- Sheet slow down device of feeder belts to assure accurate position of the sheet to the front lays (electro-pneumatically adjustable)
- Synchronizing device to adjust the sheet positioning to the front lay by hand during production
- Bullet catcher on the feeder entrance
- Side lays on both sides adjustable for push and pull and for paper and carton
- Electronic side lay controls
- Frontmark control with adjustable density
- Four individually adjustable front lays with dial read out at the operation side of the machine
- Four electronic front lay controls by means of Omron Glasfiber Optik
- Photo sensor safety barrier at pallet table floor level touching point

Die section

- Precision worm gear crank toggle driving system to ensure smooth and dynamic lower platen movement
- Precision stationery upper platen
- Pneumatic push button die chase locking mechanism to ensure safe and operator friendly changing of the die
- Pneumatic clutch/brake for main drive system
- Motorized pressure control

- Digital die cutting pressure tonnage display with adjustable pressure limit protection
- Seven high precision alloy gripper bar
- High quality pre-stretched gripper bar drive chain
- State-of-art 3 cam index gripper bar drive system to ensure smooth and precise gripper bar intermittent movement
- Torque limit safety clutch to protect the index drive system in case of gripper bar crash
- Double cam driven gripper opener and front lay swing frame for smooth and accurate sheet register
- Air blasting nozzle bar for stretching the thin paper before die cutting

Stripping section

- Triple action movement of the upper and lower stripping frames with lower spring loaded stripping pins
- Motorized upper frame suspending hoister and can be switched on and off electrically
- Upper , middle and lower stripping tool drawer can be pulled out for job set up and make ready
- Remote control operating panel for jogging the upper frame up and down, easy and safe stripping tool alignment
- The upper frame can be lifted electrically for easy set up
- Mechanic disconnecting of lower stripping movement
- Complete set of stripping tools with upper and lower stripping pins
- 1 upper drawer chase
- 1 middle drawer chase
- 1 lower drawer chase

3

Delivery section

- Automatic delivery with nonstop curtain. This curtain moves into the delivery to catch the arriving sheets during the pile exchange
- Five section brush brake – brake force individually adjustable
- Adjustable air blow bars to slow down the sheets
- Rear and side joggers with easy position adjustment
- Tape inserter with counter
- Photo sensor safety barrier at pallet table floor level touching point
- Electrical adjustment of the paper size in running direction

Standard accessories

- One operation platform
- One 7 mm hardened die cutting plates (HRC 45)
- One die chase with quick locking system
- Two waste bins on wheels
- One set of stripping tools including spring loaded stripping pins etc.

Specifications

Power / air

- | | |
|--|-----------------------|
| • Power voltage to the delivered transformer | 400 V / 50 Hz |
| • Power supply for main motor | 22 kW |
| • Power supply for additional motors | 36 kW |
| • Total power supply | 58 kW |
| • Air supply / consumption | 6 bar / 600 l per min |

The compressed air quality must be according to ISO 8573/1

- | | |
|-----------------------------|---------|
| • Filtration on solid parts | class 4 |
| • Filtration on oil | class 4 |
| • Dry air | class 4 |

General specifications

- | | |
|--|------------------------|
| • Pile height feeder, maximum | 1550 mm (incl. pallet) |
| • Pile height feeder with nonstop operation, maximum | 1150 mm (incl. pallet) |
| • Pile height delivery, maximum | 1400 mm (incl. pallet) |
| • Pile height over nonstop curtain maximum | 60 mm |
| • Total length (incl. preloading rails) | 9880 mm |
| • Total width (incl. operation platform) | 5270 mm |
| • Total height | 2580 mm |
| • Total net weight | 30 t |

4

The lowest drive-through height between loading area and the machine installation place:

- | | |
|-----------------------|---------|
| without elevation | 2900 mm |
| with 300 mm elevation | 3200 mm |

The smallest width in the distance between loading area and machine installation place:

- | | |
|-----------------------|---------|
| without elevation | 3050 mm |
| with 300 mm elevation | 3050 mm |

Specifications material

- | | |
|--|-----------------------|
| • Maximum sheet size | 1450 x 1100 mm |
| • Minimum sheet size | 700 x 500 mm |
| • Processable materials | |
| 1. Paper (depending on quality), min. | 100 g/m ² |
| 2. Carton (depending on quality), up to (*) | 2000 g/m ² |
| 3. Corrugated board (fine), up to (*) | 4,5 mm |
| (*) admissible undulation: 4% of the sheet width | |
| • Minimal gripper edge | 10 mm |

Specifications for die cutting

- | | |
|--------------------------------|----------------|
| • Maximum die cutting size | 1420 x 1080 mm |
| • Inner size of chase | 1480 x 1106 mm |
| • Dimensions die cutting plate | 1472 x 1086 mm |
| • Maximum die cutting pressure | 400 t |
| • Maximum mechanical speed | 5500 cycles/h |

The Brausse Bora 1450E machine is delivered with the European safety certificate CE. Specifications are subject to change without notice

1450SE
ELEMENT LAYOUT

- KA: FEEDER
- KB: DIE-CUTTING SECTION
- KC: STRIPPING SECTION
- KC6: MARGIN REMOVER HEAD
- KD: DELIVERY SECTION
- KE: STEP FRAME





