

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

model Brausse 1060ER

Highlights of all Brausse machines

- Very complete configuration
- Extremely smoothly running due to the unique index box drive of the main chain
- All electrical components are off the shelf brand names such as Omron and Schneider
- All PLC controls are from Mitsubishi
- HMI in the local language



Pictures might be slightly different from reality

Standard equipment

General

- Automatic main chain greasing system
- Radiator cooling for recycling toggle drive lubrication system
- Platform with safety barrier.
- Drawer for spare parts
- Complete lost sheets control throughout the entire machine
- Ethernet modem for online assistance by problems with electronics (Standard BE)
- CE certified
- Emergency stop at arm length
- Quick locking systems throughout the machine
- 1 mm thin plate system with micro adjustment
- Adjustable centering in the whole machine
- Self-diagnostic system with indication on a colour LCD HMI screen
 - Controlled machine stop in case of an infeed error is detected (permits to continue processing of the sheets inside the machine).
 - One sheet at stripping section for cutting/creasing control.
 - One sheet at stripping or blanking station for close tooling positioning control.
 - Programmed machine stop for ease of tooling exchange (job changeover).

Feeder

3

- Pre-loading device in front of the feeder
- Non-stop feeder
- Suction head with several adjustment possibilities to handle different kind of materials
- Accurately adjustable front and side vents for better feeding of thin paper
- Three pick up and four forward suckers, all suckers can be skewed
- Manually side adjustment of pallet table (+/- 40 mm)
- Adjustable side blowers.

Feed table

- 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
- Covered with an anti-static stainless steel plate.
- Feed table inlet equipped with lateral ramps.
- Four front lays with dial read out at the operation side of the machine
- Four electronic front lay controls by means of Omron Glasfiber Optik, selected two by two
- Front mark control with adjustable density
- Ultra sonic double sheet detector (without contact)
- Sheet hold-down device (guiding the sheets to the front lays).
- Upper frame with manual lifting device.
- Upper transport equipment for paper and paperboard.
- 2 transport trolleys for heavy board
- Pull and push convertible side lay (OS and DS) with photo sensor sheet arrival control.

Platen

- Precision worm gear crank driving system to ensure smooth and dynamic lower platen movement
- Short stroke movable platen, driven by an eccentric worm gear and toggle mechanism.
- Precision stationery upper platen
- State-of-art 3 cam index gripper bar drive system to ensure smooth and precise gripper bar intermittent movement.
- Pneumatic clutch/brake for main drive system, made in Europe.
- Motorized cutting force setting, by push-button.
- Digital strain gauge die cutting pressure tonnage display with adjustable pressure limit protection
- Eight high precision alloy gripper bar
- High quality pre-stretched gripper bar drive chain
- 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
- Micrometric centerings for cutting plate (+/- 0.9mm).
- Automatic (pneumatic) locking of the chase against the upper platen.
- Measurement of the cutting force with strain gauge.
- 15 mm synthetic supporting plate.
- 4 + 1 mm compensating plate, required for thin cutting plates system. Used for repeat jobs.

Waste Stripping Station

- Central quick locking pull-out frame.
- Complete set of stripping tools with upper and lower stripping pins
- Integrated Quick Locking system.
Automatic quick locking device for the upper tool integrated in the machine.
- Adjustable centerings on all equipment (upper, central and lower).
- Funnel for waste guidance

Blank Pile Delivery Station

- Automatic binder sheet inserter with electrical sheet presence control.
- Automatic selection of suction cups according to sheet size.
- Constant compression level system (NCT).
- Continuous pile lowering, maintaining a constant height of the pile.
- Automatic pallet changing device.
- Automatic non-stop device.
- Safety on pile raising.
- Waste or skeleton removal apron.
- Integrated Quick Locking system.
- Adjustable centerings on all equipment (upper and lower).
- Lower pull-out frame with fastening material.

5

Tooling

1 die-chase with quick locking: fixed bottom plate

Plate, thickness 2 mm and make-ready protection plate made of synthetic material, thickness 1 mm.

1 Cutting plate 5mm

1 Lower stripping pull-out frame

1 Lower stripping equipment

Equipment for waste stripping including crossbars, pins and supports.

1 Universal lower tool for Angle Lock System (BSI)

Adjustable tooling including:

- The universal frame
- The material required to mount the blanking grid.

Technical data

Convertible stock

Paper (depending on quality), min.	90 g/m ²
Board (depending on quality), up to (*)	2000 g/m ²
Corrugated board, up to (*)	4 mm

(*) Carton acceptable warp: 2 % of the width wise sheet

Sizes

Sheet size, max.	1060 x 760 mm
Sheet size, min.	400 x 350 mm
Inner die chase dimension.	1080 x 770 mm

Die-cutting size

With gripper margin, max.	1060 x 745 mm
---------------------------	---------------

Dimension of Pallets

Feeder / delivery, max.	1200 x 800 mm
-------------------------	---------------

6

Die-cutting

Gripper margin	9 – 17 mm
Height of cutting rules	23,8 mm
Width of double cuts, min.	5 mm

Production

Adjustable platen pressure, max.	260 t
Maximum production speed with blanking [sph]	6500

Pile Height

Feeder : normal mode, max.	1800 mm
Feeder: non-stop mode, max.	1520 mm
Delivery : max.	1580 mm

Installation

Main motor power, max.	15 kW
Total power required	26 KW
Air supply / consumption	6 bar / 600 l per min

Dimensions

LxHxW in mm	9425x4530x2640
-------------	----------------

Approximate weight

Net	22000 kg
Gross (in seaworthy packing)	25000 kg



The lowest drive-through height between loading area and the machine installation place is 2800 mm

The smallest width in the distance between loading area and machine installation place is 2600 mm

Foundations

Independent of the fact whether the machine is placed on ground level or above a cellar, or on a floor, the own oscillation of the carrying floor, including the weight of the machine, must be over 25 Hz. Only a structural engineer is capable to judge whether the floor is in accordance with the needed values, as stated in our floor plan. Only he can be responsible for this.

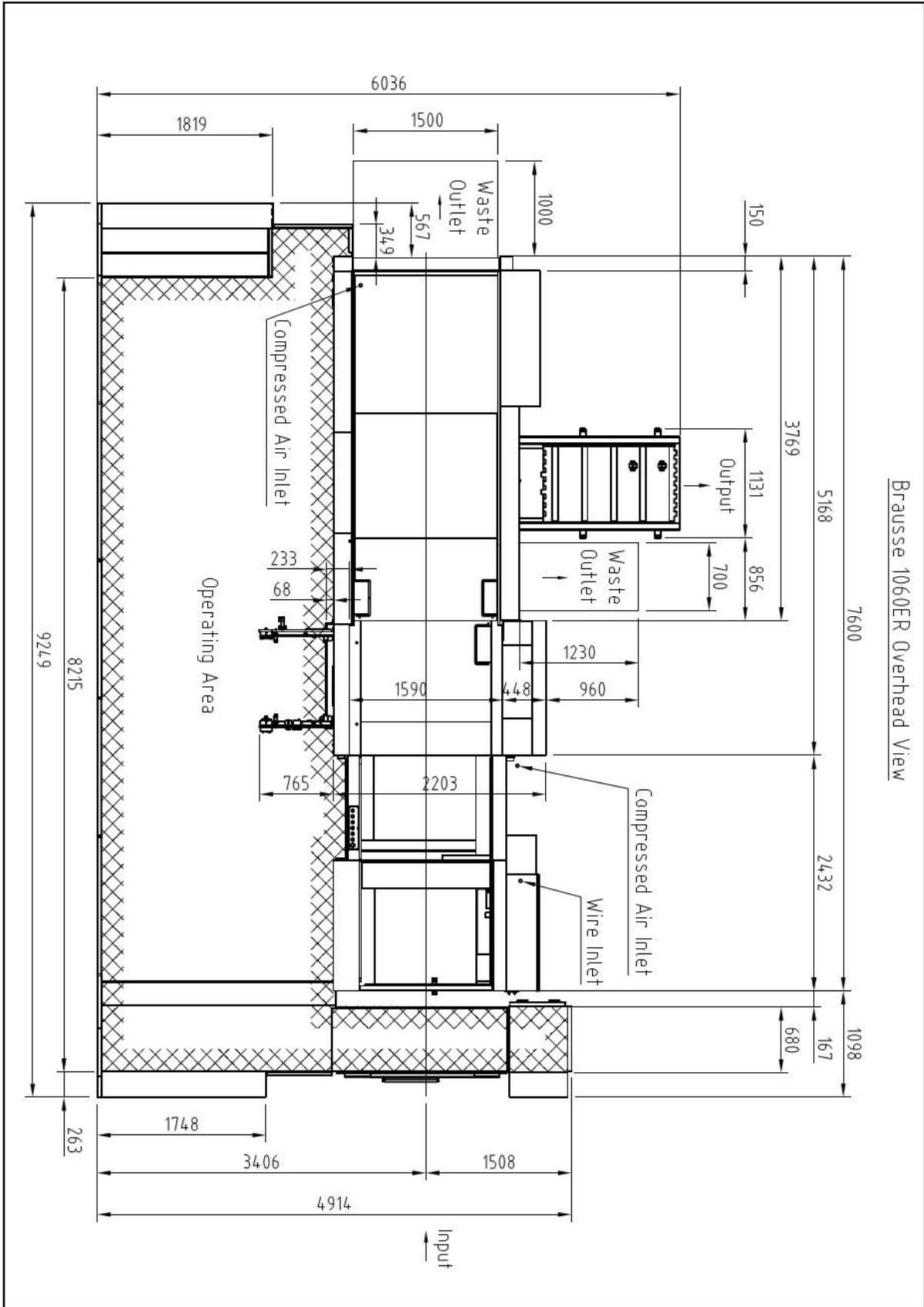
Pneumatic Specifications

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

The Brausse 1060ER machine is delivered with the European safety certificate CE.

Specifications are subject to change without notice



∞