

DotLine Smart Stacker

“DSS”

Plate sizes up to 830 mm x 830 mm
(Option up to 1050 mm x 1050 mm)

Speed up to 300 plates / hour



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Customer Service Department

Important Safety Information

- DotLine equipment may only be installed and serviced by qualified personnel authorized by DotLine GmbH!
- Installation and operation must comply with local regulations!
- Repairs may only be carried out by DotLine and other personnel authorized by Dotline!
- All personnel who operate the equipment must be trained on the operating and functionality of the equipment from a trainer authorized by Dotline.



- **Maximum Voltage 240V!**
No other voltage may be connected to the DotLine - equipment.



- Switch off and disconnect the equipment before opening the covers!



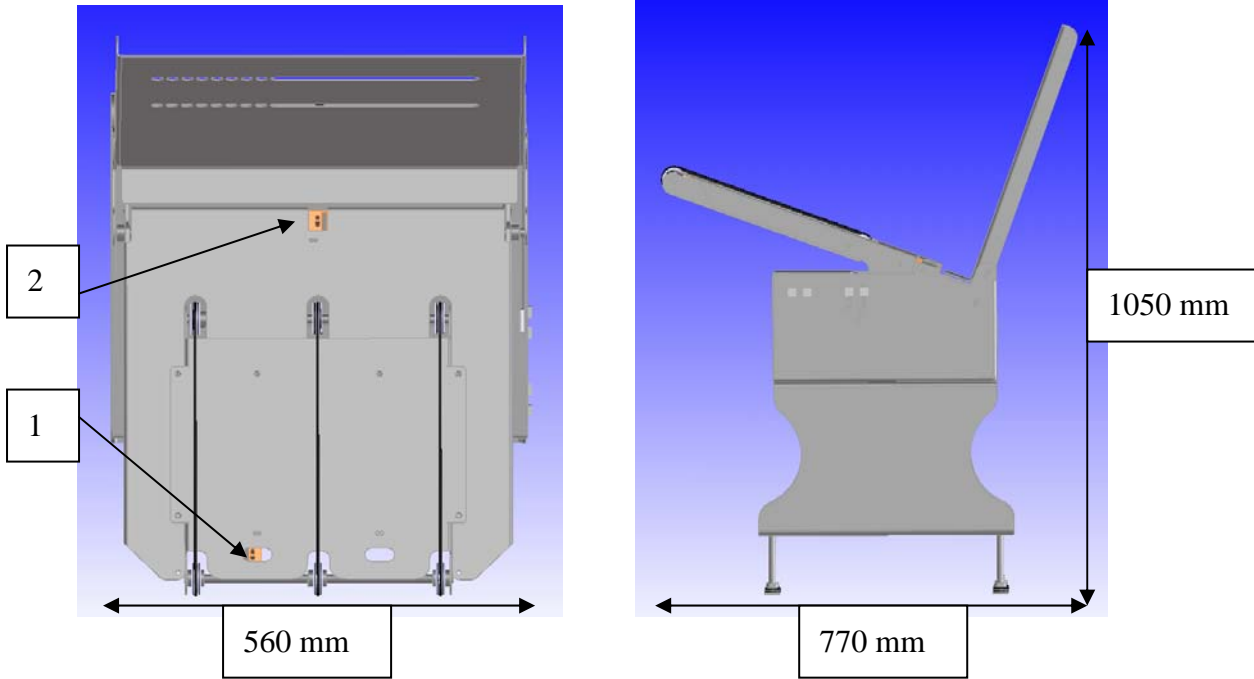
- There is high voltage connected to some parts in the equipment. Do not open covers until equipment is totally switched off and disconnected from the power supply.



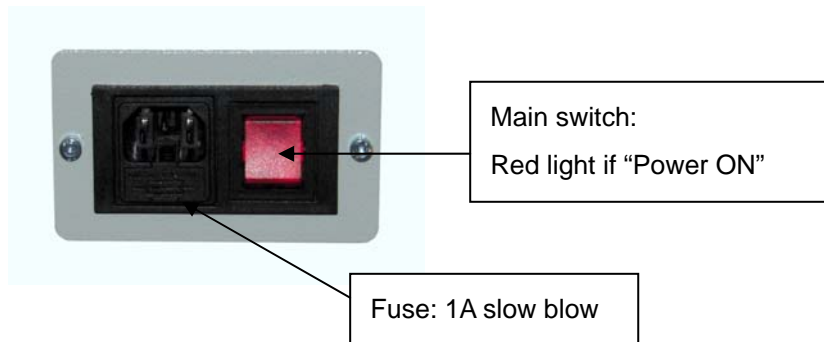
General Warning

High Voltage

General dimensions: 560mm x 770mm x 1050mm



Electrical Connection: 110 - 240 V single phase



General function:

- 1.) After switching "ON" at the main switch the Stacker will reference automatically.
- 2.) In case Sensor "1" will be covered, the 3 black belts will start.
- 3.) In case Sensor "2" will be covered, after a delay of 2 sec. the plate will be turned to vertical position.
- 4.) After reaching the most vertical position the stacking unit will turn back to its reference position.

Overload protection:

In case of any mechanical overload condition (e.g. blocked stacker bar), the stacking process will stop immediately to prevent against any health damage.

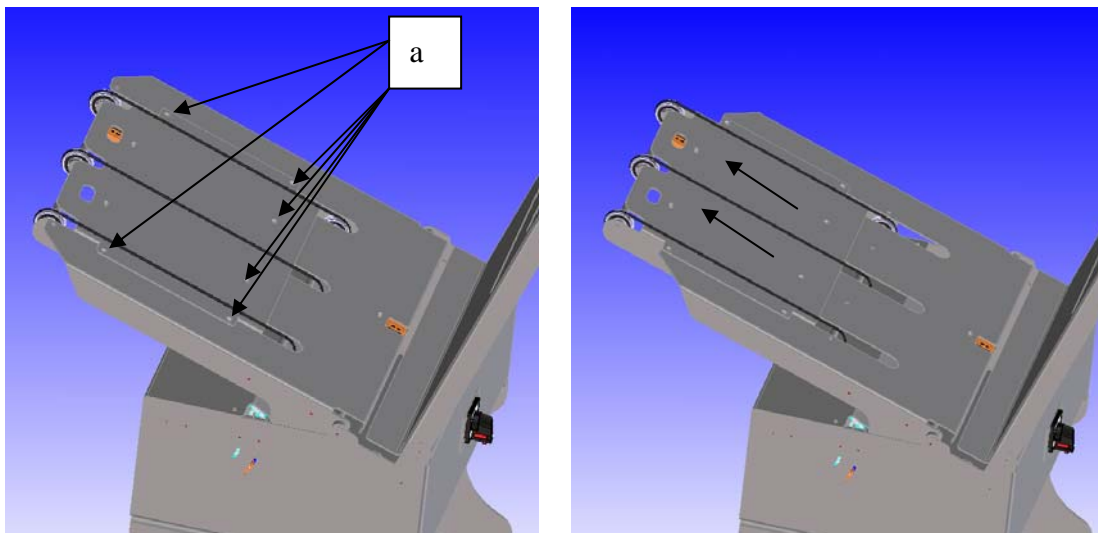
In this case the equipment need to be switched off at the main power switch. After switching "ON" again the unit will be referenced automatically.

Belt drive timeout:

If belt drive has been started unforeseen wise there will be timeout (16 sec.) after Sensor 1 is uncovered again. If this time has been elapsed the belt will be stopped automatically already.

General adjusting for maximum plate sizes:

The stacker will be default mounted to smallest size (left picture) for 2 up and 4 up plate sizes. The stacker can be adjusted to bigger plate sizes (right picture) for 6up and 8up plate sizes by sliding out the belt bar. In case the stacker should be adjusted to plates bigger than around 700mm, please release the 6 screws (a), slide the belt bar out and fix the 6 screws again. The maximum plate size is then 830 mm x 830 mm.

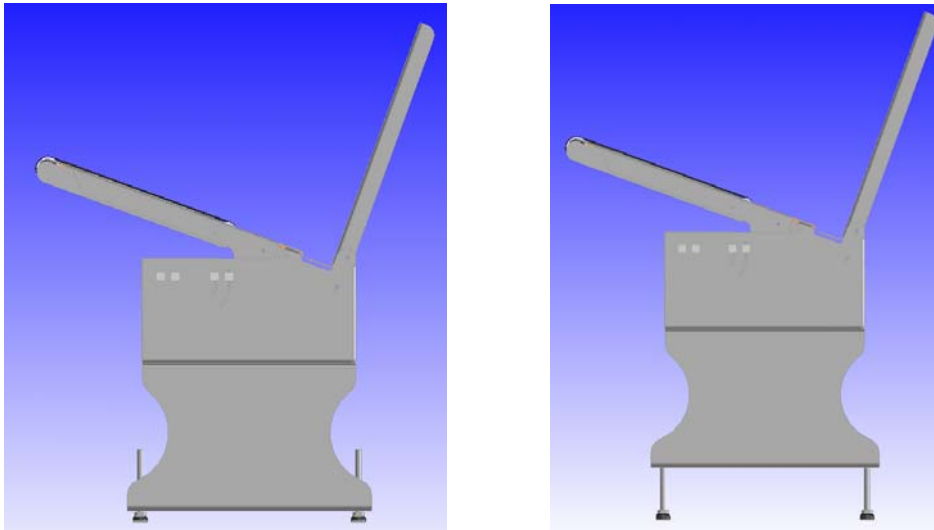


There is an option available to handle plate sizes bigger than 830mm x 830mm. With this option the stacker is able to handle platesizes up to 1050 mm x 1050 mm. The option contains extensions for the stacking unit same as the back side panel.

General adjusting for processor hight:

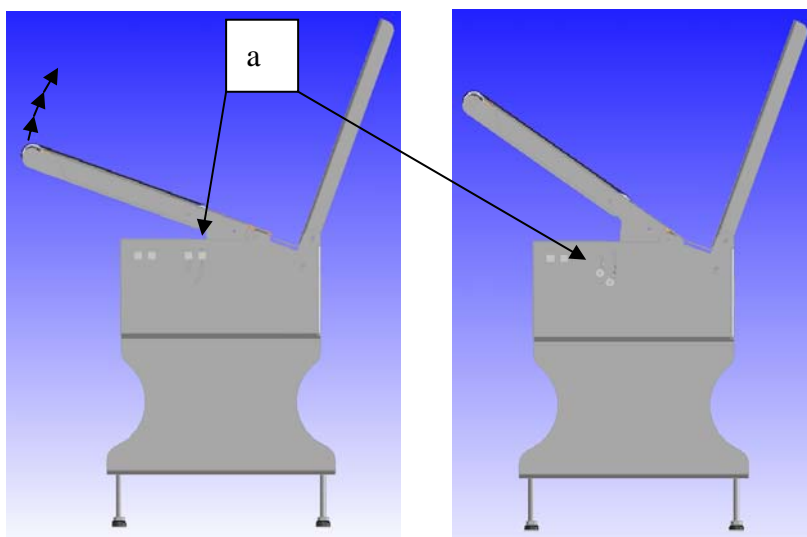
The stacker will be default mounted to lowest processor plate output area (left picture).

The stacker can be adjusted to higher processor plate output area (right picture) by adjusting the hight of the feets by around 110mm maximum.



In addition the stacker can be adjusted to the processor plate output hight by adjusting the reference position of the stacking bar. This can be done by adjusting the reference position.

Therefore the “block bar” needs to be adjusted to the usefull position. The difference that can taken place by this adjustment can be up to 115mm in addition to the 110mm of the feet adjustment..

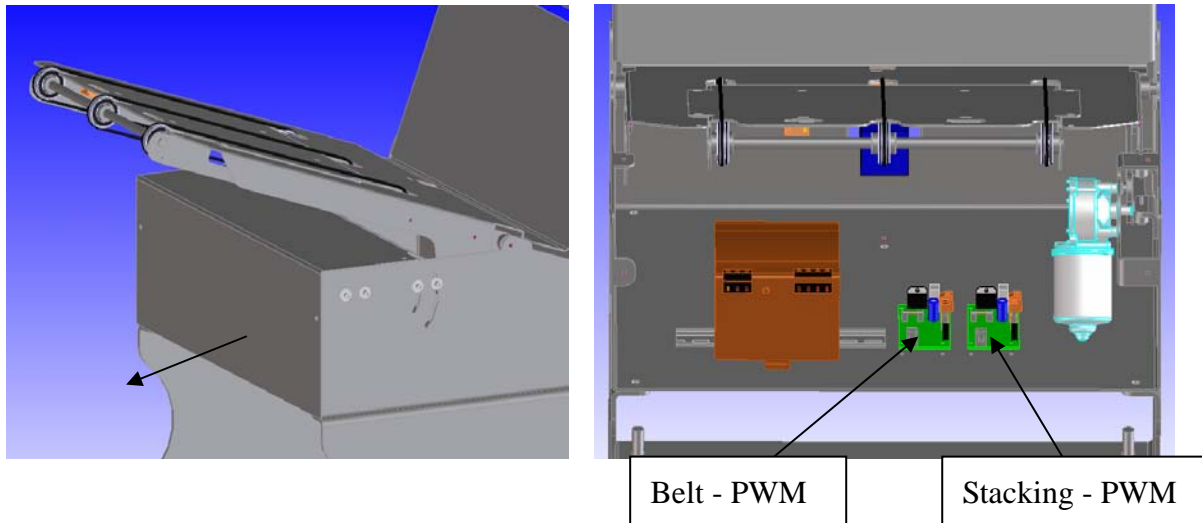


General adjusting for belt and stacking speed:

The cover shown on the left picture needs to be removed.

There are two PWM-Boards mounted (right picture).

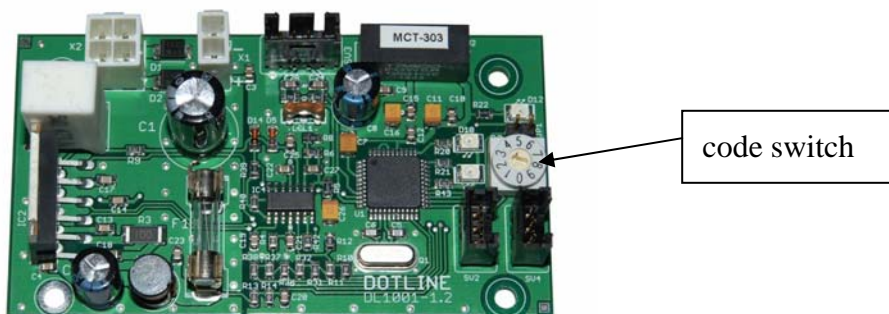
The left one is for the belt-motor, the right one for the stacking-motor.



On each PWM-Modul there is a “code-switch”.

This code switch is used to set the speed of the belts same as the stacking speed.

- 1.) Belt – PWM: default “5” (can be reduced down to “0” and speed up max to “7”)
- 2.) Stack – PWM: default “3” (can be reduced down to “0” and speed up max to “7”)



EC Declaration of Conformity

pursuant to machine directive 98/37/EC, Appendix II A

pursuant to low voltage directive 73/23/EEC

pursuant to EMV directive 89/366/EEC

The manufacturer / distributor:

Dotline GmbH
 Ludwig-Erhard-Allee 49
 D-33719 Bielefeld
 Germany

hereby declares that the following product

Product designation:	Exposer
Serial number:	(Machine number)
Serial/type designation:	Equipment

- conforms to the regulations of the directive(s) designated above – including the amendments to these applicable at the date of declaration.

The following harmonised standards were applied:

EN 292-1:1991	Safety of machines – Basic terms, general guidelines of design – Part 1: Principle terminology, methodology
EN 292-2:1991	Safety of machines – Basic terms, general guidelines of design – Part 2: Technical guidelines and specifications
EN 292-2/A1:1995	Safety of machines – Basic terms, general guidelines of design – Part 2: Technical guidelines and specifications
EN 294:1992	Safety of machines – Safety distances to stop the upper parts of the body accessing dangerous places
EN 349:1993	Safety of machines – Minimum distances to prevent parts of the body being crushed
EN 418:1992	Safety of machines – Emergency-Off arrangement, functional aspects – guidelines of design
EN 547-1:1996	Safety of machines – Human body dimensions – Part 1: Fundamentals in determining dimensions for the

	whole body – Access ways to machine workplaces
EN 547-2:1996	Safety of machines – Human body dimensions – Part 2: Fundamentals in the sizing of access openings
EN 547-3:1996	Safety of machines – Human body dimensions – Part 3: Human body dimension data
EN 614-1:1995	Safety of machines – Principles of ergonomic design – Part 1: Terms and general guidelines
EN 811:1996	Safety of machines – Safety distances to stop the lower parts of the body accessing dangerous places
EN 954-1:1996	Safety of machines – Safety-related parts of control systems – Part 1: General guidelines of design
EN 983:1996	Safety of machines – Technical safety requirements on technical fluid systems and their sub-assemblies – Pneumatics
EN 1050:1996	Safety of machines – Guidelines on assessing risks
EN ISO 11145:1994	Optics and optical instruments – Lasers and laser systems - Terms and formula signs (ISO 11145:1994)
EN 31252:1994	Lasers and laser systems – Laser device – Minimum requirements on documentation (ISO 11252:1993)
EN 31253:1994	Lasers and laser systems – Laser device – Mechanical interfaces (ISO 11253:1993)
EN 60204-1:1997	Safety of machines – Electrical fittings of machines – Part 1: General requirements
EN 60825-1:1994	Safety of laser equipment – Part 1: Classification of systems, requirements and user directives
A11:1996 to EN 60825-1:1994	
EN 50082-2:1995	Electro-magnetic compatibility – Basic Technical Standard resistance to disturbances – Part 2: Industry
EN 55011:1998	Industrial, scientific and medical high-frequency devices (ISM devices) – Radio interference – Limit values and measuring procedures
EN 55011:1998 A1	Amendment A1:1999 to EN 55011:1998

The following domestic and international standards (or parts/clauses thereof) and specifications were applied: Bielefeld November / 2005