

Technical News Bulletin

Steinhausen, January 2014

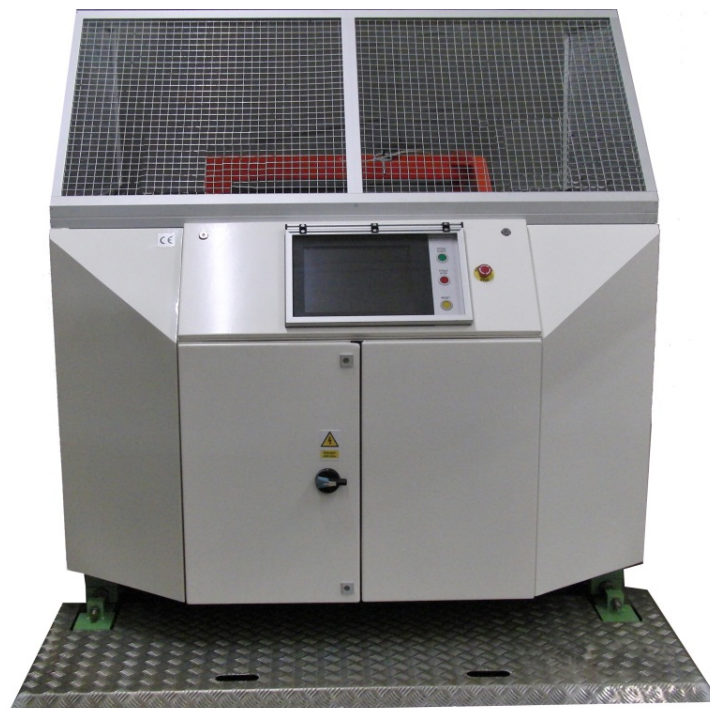


FleXStacker

- Three axis FlexStacker is the new Bucher Emhart Glass standard for Lehr loading.
- Performance is proven to handle high speed loading into the lehr.
- Optimized motion profiles.

Introduction

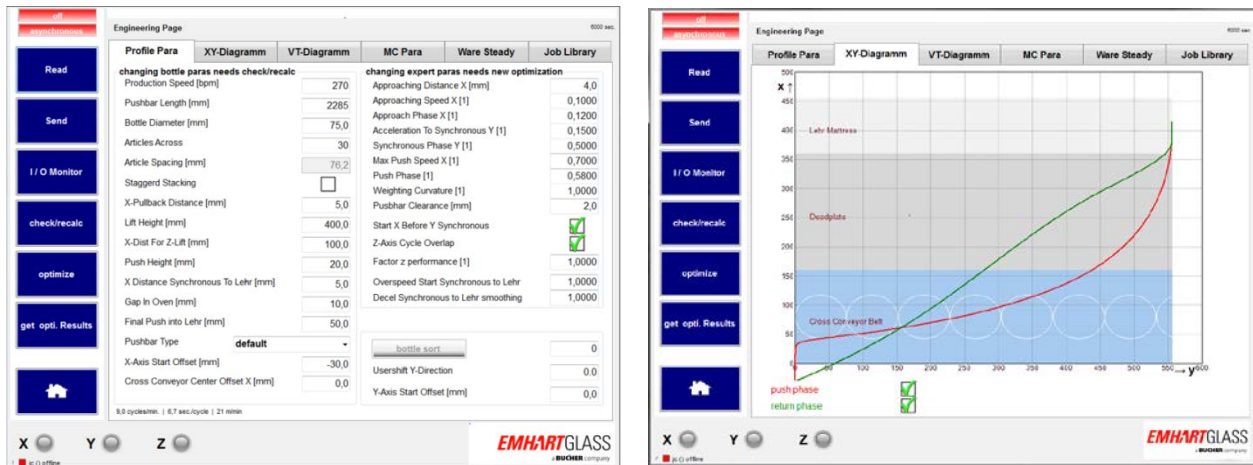
The three axis FlexStacker is the new Bucher Emhart Glass standard for Lehr loading. It is using the FlexIS control hardware from the IS machine including a **pioneering** human interface with built in expert knowledge, allowing an **easy set-up** without the need of "specialists". Performance is **proven** to handle high speed loading into the lehr.



Description

The FlexStacker contains of the three axis mechanical unit located in front of the annealing Lehr and a separate remote Control cabinet. Control cabinet should be located in an air conditioned control room, but can also be equipped with internal air conditioning.

The FlexStacker is equipped with a 15" touch screen Operator Interface and an industrial computer located inside. Jobs are stored in the computer and can be copied to other FlexStacker units.



Specification

Maximum Push Stroke:	450mm
Maximum Sideways Stroke:	550mm
Maximum Lift Stroke:	450mm
Maximum Operating Speed:	24 Cycles / min or 72 meter/minute Conveyor speed
Gross Weight:	1000kg
Supply Voltage:	380V - 480V 3PH + E
Max Continuous Input Current:	32.9A
Noise Level:	<75 dB (A)
Lubrication Requirement:	Connection to Centralized Lubrication System
Electrical Cabinet Cooling Air Pressure: Air Consumption:	min 3 bar (5 bar recommended) 18m ³ / Hr (Average), 49m ³ / Hr (Max)
Pushbar Cooling Air Pressure: Air Consumption:	0—3 Bar 40m ³ / Hr (Max)

Application

The FlexStacker is available for all IS-machines.

Standard options for following Lehr heights (measured from floor to top of Lehr belt):

- 700-770mm
- 771-830mm
- 831-890mm
- 891-950mm
- 951-1010mm
- 1011-1070mm
- 1071-1130mm

Pushbars available for Lehr belt widths from:

- 1,8 meter to 5,5 meter

Cables for remote Control cabinet

- Standard cables in steps of 5m to maximum length of 65 meters



Documentation

Drawings

- 379-1 FlexStacker master assembly
- 379-11 FlexStacker assembly
- 379-12 Control cabinet
- 379-940 Pushbar selections

Manual

- H55001

Features / Benefits

Features	Benefits
FlexIS control	Bucher Emhart Glass standard
3 axis fully servo	High repeatability
Optimized motion profiles	High speed Lehr loading
Newly developed User Interface	Easy set up and handling