ThermoFlexX

Catena W

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Wash-out unit for flexo plates

Less solvent emission for a better room enviroment. Increasing operator comfort with less load on air-con

Highest Productivity with plate Alignment

+ Unique plate alignment when loading the plate into the Catena-W avoids plate skew during transport. The advanced plate queuing, limiting the distance between plates to 50 cm, maximizes throughput for the highest possible productivity. At the end of the wash-out process a shutter door operates as a buffer before dropping the plate onto the shuttle.

Plate Shuttle

+ Large heavy plates can be handled easily by a single operator, eliminating any human touchpoint. Furthermore, the shuttle also provides a safe second rest spot for plates in production allowing a minimum gap between plates in the queue. The result is, more plates per shift, due to increased throughput.

ThermoFlexX Monitoring

+ All critical information such as motor current, controllers, operating conditions and working temperatures are monitored. This information can be stored and made available for total plate QC records. ThermoFlexX ProServeX provides a cloud-based constant monitoring service of all key components throughout the range. A brand-new level of predictive maintenance with online support is available. The need for physical service-interventions is minimised.

ThermoFlexX Graphical User Interface

+ All ThermoFlexX equipment utilises leading brand PC's, monitors and the latest Windows OS aimed specifically at high-end system development. ThermoFlexX Graphic User Interface is displayed via a 24" Full HD touch-screen making operation extremely fast and simple. Key information is clearly presented to the operator for ease-of-operation without errors.

Closed Operation

+ A sealed environment with efficient extraction ensures minimum solvent fumes in the working area, even when opening the doors a minimum of solvent smell will be perceived as the solvent section is completely enclosed.

Automatic Pinbar

+ Plate punching is not required. A cleverly designed pinbar system transports the plate flawlessly through the washing process and returns for the next plate, no need for manual transportation of the pinbars. Three pinbars ensure continuous availability. Only an edge of 8 mm plate material is required to pull the plate through the wash-out unit (other systems typically need 20 mm).

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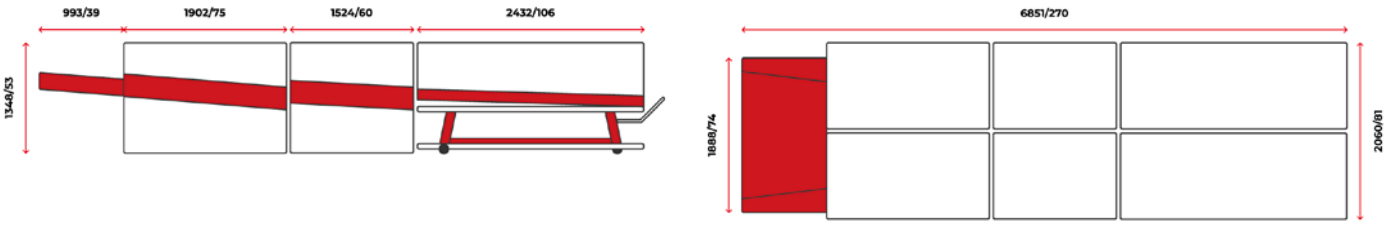
Technical Specifications



Technical Data	Catena W
Maximum plate size (W x L) (mm/inch)	1320x2032mm/52x80”
Electrical connection	380V 3ø N+PE 50 / 60Hz 20A
Extraction	600m^3/h 1 x 160mm outlet
Compressed Air	6 Bar Min 30L / min peak 250L / min (10 sec)
Maximum Plate thickness (mm/inch)	7mm/0.276”
Weight	3250 Kg / 7150 Lbs
Dimensions (W x D x H) (mm/inch)	6851 x 2060 x 1348 mm /270 x 81 x 53”
Crate dimensions (W x D x H) (mm/inch)	3 Main cases, see pre-installation manual

Innovative Design to increase efficiency and lower operating cost

Servo motors preferred to 3-phase for higher efficiency.

Planetary gearbox used to oscillate brushes, nearly twice as efficient as normal worm gearbox.

Central crank simplifies brush oscillation, eliminating gear and shaft movements left to right.

Central main pump, valve control sends solvent only to active brushes. Proportional speed control, only expends required energy. Saves cost compared to multiple constant speed pumps.

Input pump ,exact proportional control for optimum solvent flow. More efficient than on/off control.

Closed brush chamber, solvent condensation drops back into bath. Less extraction power required.

Proportional chiller, latest technology delivers just enough cooling. More efficient than off/on chillers.

Please contact us for additional information.

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SILVER 2022 ecovadis Sustainability Rating

XSYS

Print solid. Stay flexible.

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