



JCEM Digital Pleater Generation

Technical Specifications Overview

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Standard Working widths in mm / 500 / 1000 / 1300 / 1600 / 2200

Standard pleat height ranges in mm / 3-30 / 3-55 / 3-70 / 3-85 / 3-100 / 3-120 / 3-150

Special working width / pleat range / up to 3500 width / pleat range up to 300mm upon request

Main Drive	Digital AC servo drives, servo amplifiers, Optical fiber optical cables, maintenance free, high power rating
Pleating Motion	Fully Automatic blade movement CNC Controlled automatically set after loading configuration file.
Height Adjustment	Fully Automatic Pleat height adjustment by setting the platform distance as set in the configuration file.
Change on the fly	Top Gap / Bottom Gap in steps of 0.1-0.01mm by CNC Servo Drive high precision ball bearing spindle
Data Input	Input by Touch screen very easy to handle, Operator Friendly
Load and Go!	All Parameters are saved on a Job File with specific Filename and at any time the file can be loaded to restart the pleating operation and to reproduce already pleated elements. Files are based on Access Databank and can be also edited offline, Platform is based on Windows, and Infinite Number of Job Files can be created.
Pleating Curve Path	Easy to choose various Curve Types by Touch Screen, Curve types are visualized and easy understandable for the operator. Possibility to influence material treatment, quality fine tuning. Possibility to easily adapt digital motion of the blades to specific requirements. Optimizing Pleat pack Quality.
In feed Platform	Automatically adjustable simultaneously with the pleat height setting with a 1/2 ratio for optimum horizontal material guide, Material at all times centered to the pleating blades, therefore identical conditions are given at top to bottom blade.
In feed Media Guides	Media input by adjustable feeder guides, mounted on in between stainless steel tubes, easy adjustable side guides, media is guided into a channel, lowest setup time.
Rear Top Platform	Automatically adjusted, motorized and set to the different pleat heights. Extremely strong design to maintain position during the pleating operation and build of pack pressure.
Quick lift Rear Top Platform	Fast-lift with dual pneumatic cylinder, the complete exit side gets free and accessible for loading up new media or even for simple cleaning purposes, operator friendly.
Back Pressure	Pneumatic air cylinders for individual load adjustment over the complete width moveable back pressure plates. Easy mountable, adjustable. Lowest setup time. Regulation by governor and gauge, 0.5-10bar, also stabilizing the rear top platform additionally, Various back pressure plates in different width mountable.
Heaters	Heaters standard in Top Inlet Bottom Outlet Top and Down (additional heaters and position available). Heating system with Pneumatic Quick Lift for Faster Cooling. All Aluminum heaters each having 2 pneumatic cylinders with gauge and governor, 0.5-10 bar for fast lift function / timer for fast lift PLC input data, automatic lift up after stop and start of pleating process. All heaters individual controlled freely adjustable temperature for each individual plate max. temperature 200°C each platform, every single heater separate regulated.
Pleat Marking	Input over PC, digitally controlled, pleat counter, batch counter, reset. Marking of pleats with lower pleat height set in software, M or W Pleats or various customized shapes possible.
Execution	CE Certified. Electromagnetic compatibility. Low Voltage Directive. Noise. Vibration. Pressure Equipment Directive. Safety.
Service	Immediate Service and Assistance over Internet Remote Access. Digital Bus Technology, I/O's can be checked immediately by our System Manager, at all times a failure report is being held under Alarm Handling, Every Pushed Emergency Stop or bad handling is being registered and saved on a History password coded telegram.