Automated Z-Span™ Tester

Fast, repeatable testing of pulp strength.

STRENGTH SOLUTIONS

Fast Strength Testing

Description

The Pulmac Automated Z-Span Tester offers an automated zero and short span testing capability. Once the sample handsheets or strip is loaded onto the feed tray, 24 wet/dry, zero/short span tests are executed during a five minute testing sequence. Following termination of the testing sequence, test results are displayed on the operator interface terminal and, via Ethernet connection, can automatically update a local PC-based Excel database. The Automated Z-Span Tester is calibrated and control software is loaded as part of in-factory system integration.

Benefits

The Pulmac Automated Z-Span Tester can effectively define pulp strength. With systematic sampling and testing, fibre quality numbers generated by the Z-Span Tester will alert mill monitors to creeping process changes before pulp quality deteriorates beyond acceptable limits. Automated z-span testing will tell you what you need to know, when you need to know it in order to keep your production running smoothly and your customers happy. Direct improvements to your productivity can include reducing downgraded pulp, penalty payments, and warehousing costs, all the while improving communication links with pulp users.
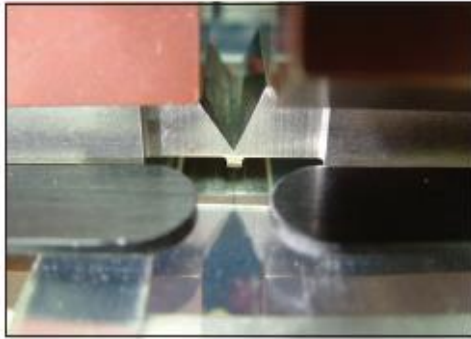
Plug & Play Technology

This automated, bench-top zero-span tester is delivered to the customer factory-calibrated and ready-to-go after a very quick unpacking and re-assembly procedure. Its simple menu-driven touch-screen operator interface allows the rapid, precise, and repeatable generation of key Pulmac fibre quality numbers.

Automated Z-Span™ Tester

Z-Span™ anvils and jaw tips

Z-Span Tester

This tester measures 24 peak load zero and/or short span tensile strength numbers within 5 minutes of loading the feed tray.

System Features:

- Once loaded the Automated Z-Span Tester will perform 24 wet/dry zero and/or short span tests and automatically compile the results in a local flash drive.
- With an operator prompt, the system can automatically update a PC Excel database.
- Pulmac fibre quality numbers are sensitive to changes in fibre strength, length, and bonding potential and, for machine-made paper, fibre alignment.

Software Features:

- Password-protected system manager access to set-up menus.
- Data stored locally on a removable flash drive and can be exported via Ethernet to refresh a PC Excel database.
- Custom data dictionary.
- Custom rogue data reject setting.

Hardware Features:

- Rugged construction - two year limited warranty.
- Clamping surfaces are manufactured from rustproof, superhard (+65 Rockwell), machine tool material.
- Electronic operator interface.
- Operator and maintainer tool kits.

Services Required:

- Instrument quality air; 60 l/m at 10 bar
- 10 mm slip fitting for air supply
- 240 V, 50 Hz

Shipping Specs	Weight	Height	Width	Depth
Skid	105 kg	65 cm	110 cm	65 cm

PULMAC *Systems*
Process Diagnostics for Pulp and Paper