Tablet Press Control System

Turning Existing Manual Tablet Press Machine with Automation Technology

VBTECH AUTOMATION
54, Akshar industrial park, Nr Hahijan circle, B/H Vatva GIDC phase-IV, Vinzol, Ahmedabad-382445 Gujarat, INDIA.
Tel: +91 82382 49845 Cell: +91 9825049845,
Email: info@vbtechautomation.com,
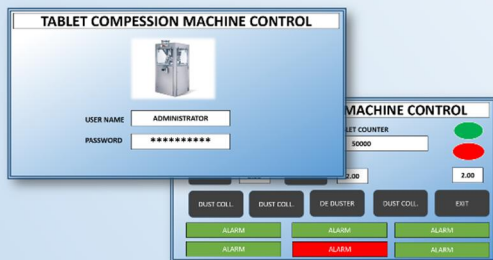**Web:** www.vbtechautomation.com

TABLET PRESS SYSTEM

Vbtech Automation deals with wide range of seamless automation solutions in industries and have core expertise in tablet press machine automation and retrofitting jobs using High-end technology and Advance data acquisition system.

We offers various Tablet press automation version which covers wide range of tablet press machine.

TP V1.0

This version provides basic Production Control operations with following features.
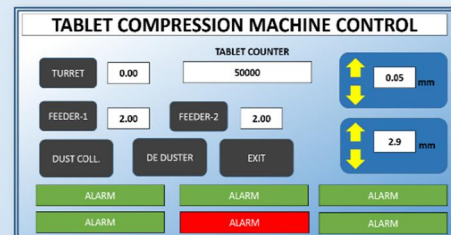

- Password Protected Operation
- Touchscreen User Interface
- Turret Start/Stop/Speed Control
- Feeder Start/Stop/Speed Control
- Feeder Auto/Manual
- Tablet Counter
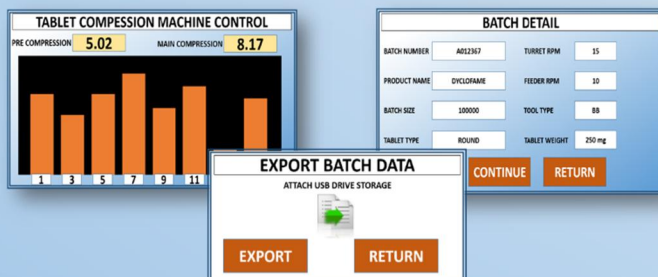- Preventive Alarm Popup

TP V2.0

This version provides all function from TPS V1.0 with motorized Die-fill, Hardness control for dial less operation as well as better precise control for quality outputs.

- Precise motorized control with Set point
- Diagnostic, Calibration for maintenance
- For System having timing gap above 0.07 Sec Between punches

TP V3.0

This version provides all function of TPS V1.0 with Force data monitoring for Main/Pre/Ejection Compressions for better production analysis.
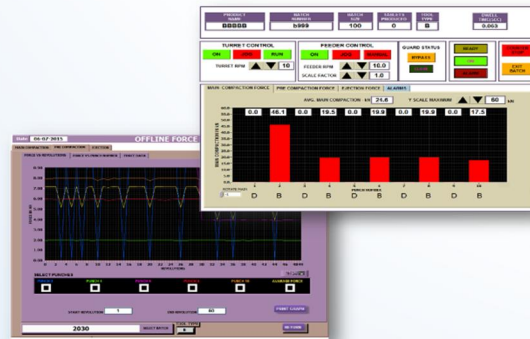

- Individual and Avg. force data monitoring
- Detail Parameter for batch
- Force batch data export option
- For System having timing gap above 0.12 Sec between punches

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TP V4.0 SCADA

This version provides all functions from TP V3.0 and data logging of compression force for further post analysis of pre-production batch.
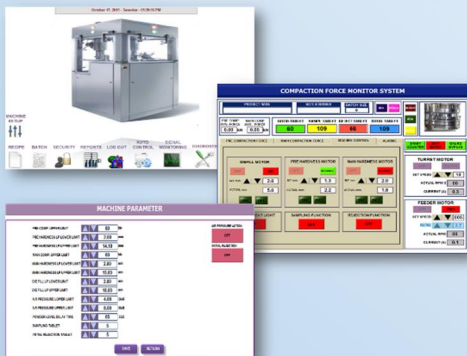
This version suitable for Laboratory Press ranging from 8 punches to 18 punches with multi-tooling and up to 30 RPM

- Tool type selection
- Individual and Avg. force data monitoring
- Recipe and Batch modules
- Graphs and Report generation
- For system having timing gap above 0.12 Sec between punches

TP V5.0 SCADA

This version provides all function of TP V4.0 with precise control of die-fill, hardness and penetration through motorized operation which makes operators easy to get repeatable result and provide dial-less operations.
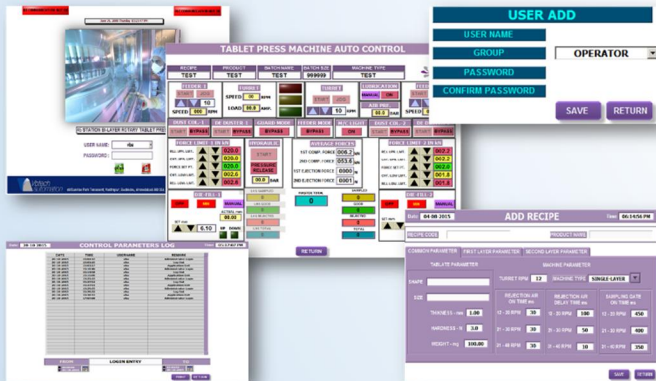

- Closed loop motorized control of die-fill
- Calibration for die-fill displacement
- Machine Parameters Editable
- Individual and Avg. Force data monitoring
- For System having timing gap above 0.12 Sec between punches

TP V6.0 SCADA

This Version provides modern operational architect with effectiveness monitoring and fully automatically machine control in Real-time PCs. Auto-Weight Control in machine enables the better production quality output with this version.

- Security hierarchy and password protection
- Mono/Bi-Layer switching operations
- Windows/RT Based Software
- Recipe Driven Force Control
- In-Process Tablet Weight Control
- Out-of-limit Tablet Rejection

54, Akshar industrial park, Nr. Hathijan circle, B/H Vatva GIDC phase-IV, Vinzol, Ahmedabad-382445
Tel: +91 82382 49845 Cell: +91 99788 49845, Email: info@vbtechautomation.com,
Web: www.vbtechautomation.com

- Intentional Rejection from selected Punch
- Revolution based Tablet Sampling
- Graphs and Report generation
- Maintenance History Management
- Advance Diagnostic to minimize breakdown time
- For System having timing gap above 0.02 Sec between punches

TP V7.0 SCADA

This offers all features of TP V6.0 with following advanced features.

- Password Protection (according to FDA guide lines)
- Audit Trail
- Data Protection and management
- User oriented operational environment
- Graphical Batch Report
- Compliant with 21 CFR Part 11
- For System having timing gap above 0.013 Sec between punches

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OUR REPUTED PHARMA CLIENTS

"An organized system of machines, to which motion is communicated by the transmitting mechanism from a central automation, is the most developed form of production by machinery."

-Karl Marx

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