

# ***AUTOMATION SYSTEM FOR HIGH SHEAR WET GRANULATION***



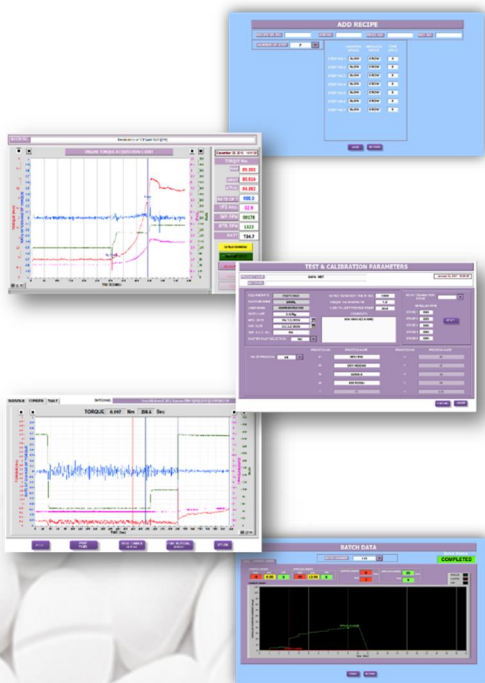
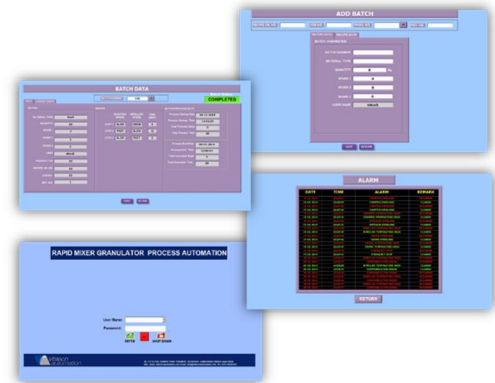
Vbtech Automation deals with wide range of seamless automation solutions in pharmaceutical industries.

For Solid dosage formulation process in pharmaceutical, Vbtech Automation offers Process regulation and control for High Shear Wet Granulation system. It provides full control of machine parameter through-out process.

## ***System Key Features:***

### ***1. PLC HMI BASED SYSTEM***

- 2 Level Password protected access to Control System
- Recipe Driven Process auto control
- Process steps wise start and stop time control
- Variable RPM control for Impeller motor & real time motor current indication.
- Diagnostic module for maintenance
- Parameters indication like process timing, Impeller RPM, Chopper RPM, Lid Positioning & Valve position
- Alarm Indication and safety actions
- Ease of operational functionality



### ***2. PC BASED SYETEM (FDA 21 CFR PART 11)***

- Inbuilt Amperage Monitoring and End point determination
- Recipe Driven Process auto control
- Offline logging of batch data and analytical functions for batch optimization.
- Impeller RPM, Motor Power Consumption & Motor Current data logging.
- Batch data/graph & audit trail report generation and printing facility
- High Speed USB data Acquisition
- Multiple user/Multi-level access
- Minimum breakdown time for installation in existing System
- Data security and management as per FDA guideline
- Wireless Data Acquisition (Additional)
- Binder Spray System attachment with control system (Additional)

## 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