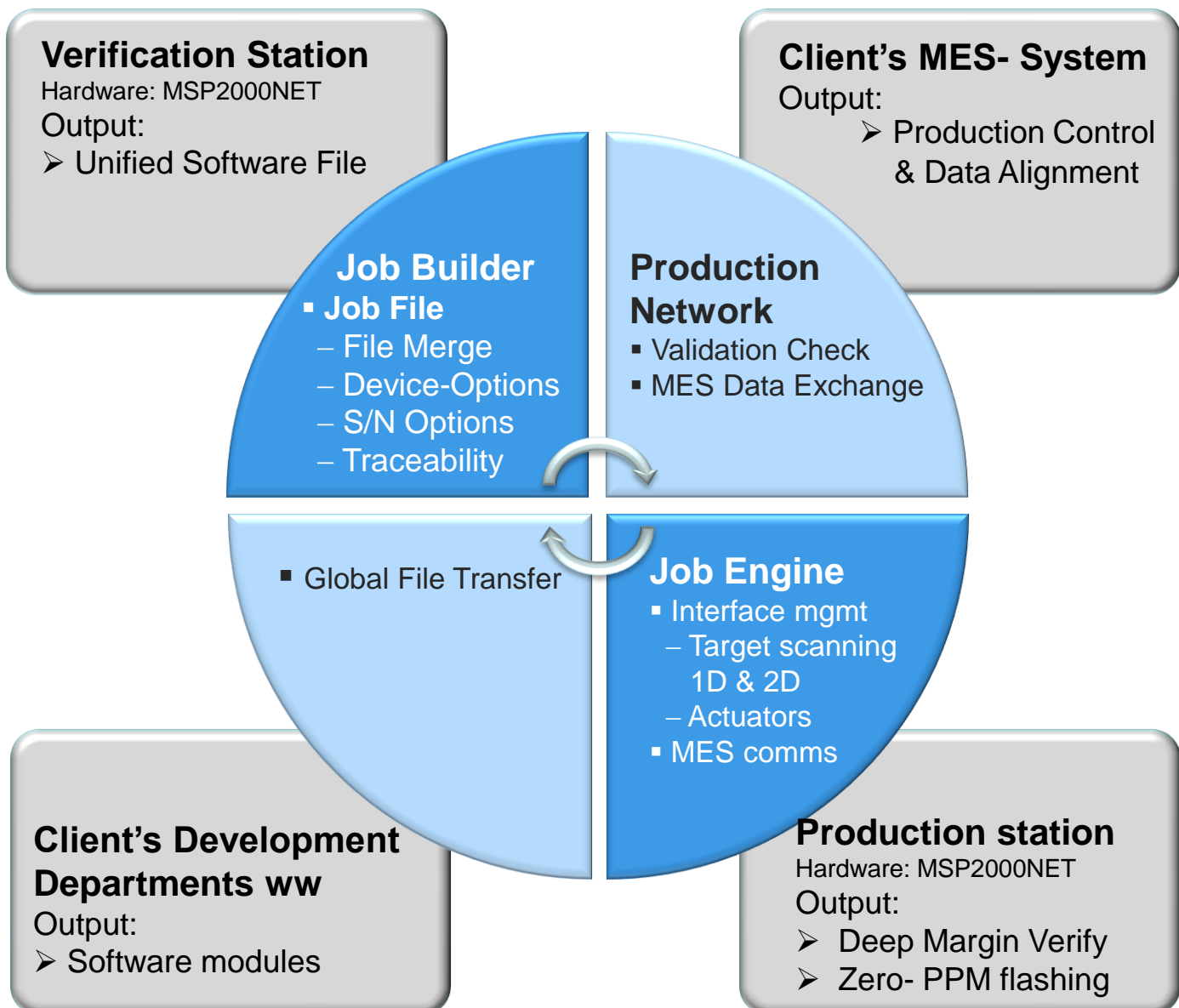


FlashTASK

FlashTASK Manufacturing Management Software



FlashTASK

FlashTASK is the master production software for easy control of your entire Flash process. It combines under one user interface all necessary software packages for an integrated Flash process. Regardless of experience, engineers can rapidly and cost-effectively set-up an integrated in-house flash-stations in your production.

FlashTASK intuitively assists you through every step of your flashing process. You capture all relevant data in a dedicated job file and can manage the job status, e.g. 'waiting for validation', 'approved for production' or 'on-hold', individually for each job file – automatically via a status-check linked to your manufacturing execution system (MES). This integrated process also provides you with the security, convenience and efficiency to repeat the programming job anytime with validated parameters for the highest quality programming.

FlashTASK's password protection capabilities ensure that your programming process remains completely secure. Separate administrator and operator modes allow the supervisor to set up the job file and assign password controls. FlashTASK captures all events during the programming process in a statistics file, providing the complete information for your detailed audit-trail.

FlashTASK also provides optional software interfaces to MES (manufacturing execution system), SPC (statistical process control), traceability software and other software applications for a seamless integration in your production environment.

FlashTASK

FlashTASK-JobBuilder

- Creates job files for JobEngine
- Windows based user interface supports intuitive operation
- Easy to use Windows environment and help menus to assist you easily navigate FlashTASK's powerful features
- Menu-guided setup for all task relevant options
- Intuitive operation
- Expanding your device library in a matter of minutes
- Pull-down menus to set customer specific MCU, task, serial number and traceability options
- Advanced serialization features
 - Customized serialization
 - Secure serialization. . see IFR above
- Merge multiple files into one programming file
- Manages Flash and EEPROM data in one file
- Handles any combination of file formats
- Maintenance control
- Password protection, different user and administrator passwords

FlashTASK-JobEngine

- Executes validated job files created by JobBuilder
- Optimized for production use, parallel programming of multiple boards
- Index guided detailed documentation
- Clear text error messaging for analysis
- Powerful functions for unique serialization numbering
- Margin Verify to ensure maximum data retention
- Continuous voltage monitoring during programming process
- Configurable watchdog trigger functions for your target application, e.g.
 - Square wave
 - Low / high signal
 - Via SPI protocol
- Device specific options
 - IFR register
 - Unique controller specific checksum build from IFR register for seamless traceability
 - RC oscillator trimming +/- 1%
 - Device identification