

18 – 4 Multibrand Integration

Integration of machinery from multiple manufacturers
Technical and functional compatibility
Global coherence management
MSTECH acts as the single responsible party

Technical Scope – Enabled Capabilities

Process Engineering

- Definition of the production flow
- Operation sequencing
- Takt time and line balancing
- Critical quality points

Mechanical and Electrical Engineering

- Line layout
- Physical integration
- Cabling and utilities
- Industrial safety

Automation and Integration

- PLC, SCADA
- Machine interfaces
- Subsystem coordination
- Communications

Industrial Software

- Traceability
- Recipes and parameterization
- Dashboards and reporting
- Integration with MES / ERP

18 – 4 Multibrand Integration

Supply Chain – Technical Scope

- Supplier selection Vendor
- coordination Technical
- purchasing management

Quality & Validation

- FAT / SAT
- Definition of acceptance criteria
- Performance testing
- Technical documentation

Project Management

- Global coordination
- Planning
- Risk and cost management
- Customer interface

Execution model: a single Main Contractor / Lead Integrator

Typical Workflow

- Requirements definition
- Solution design
- Process and system engineering
- Equipment selection and integration
- Software and interface development
- FAT (pre-validation)
- Installation and SAT
- Production ramp-up