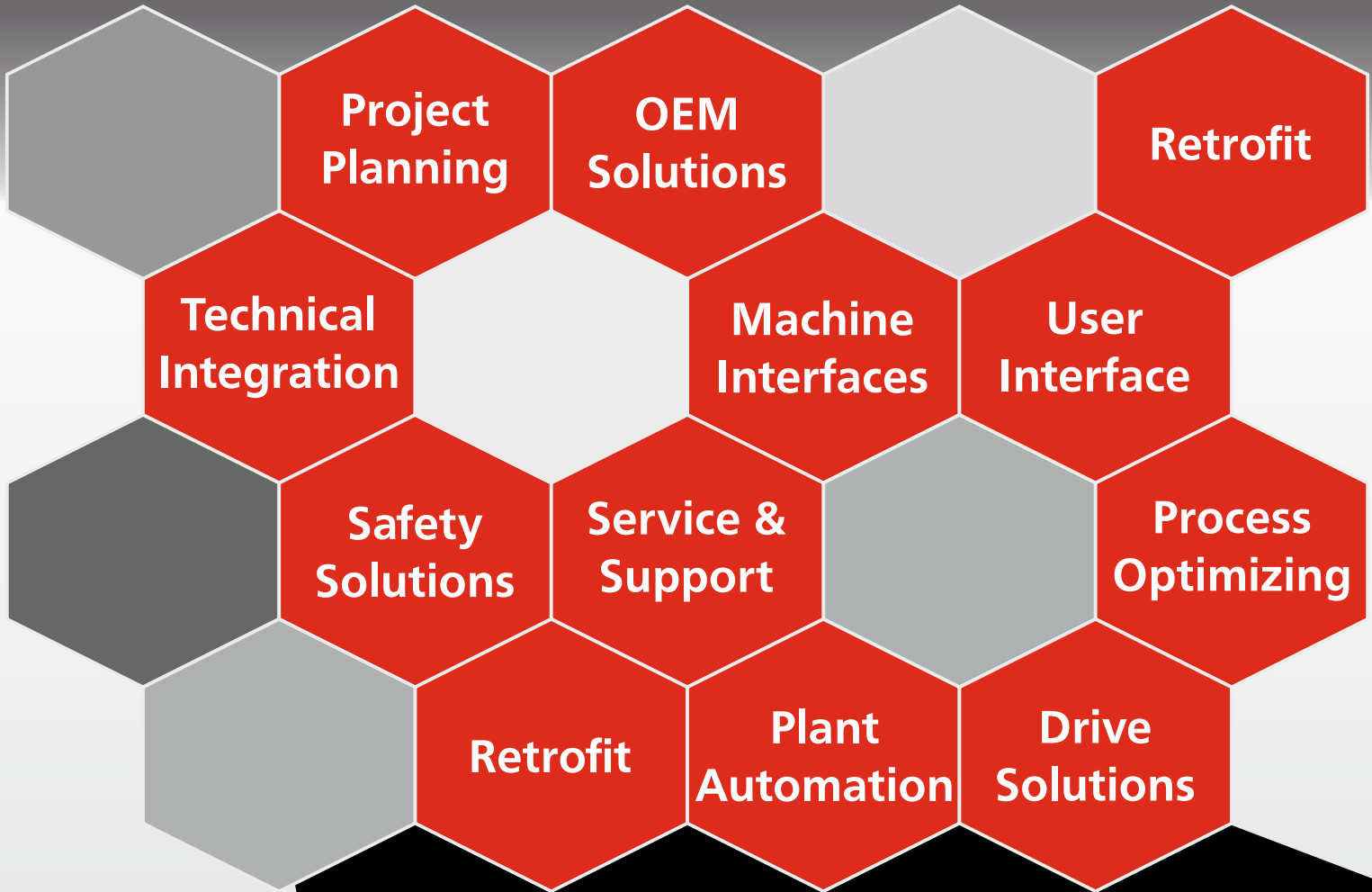


# // For Efficient Production Process: BST eltromat Automation



// we automate, integrate & modernize

## // BST eltromat India: Automation

An Indo-German joint venture company and a part of the SMS Group specializing in automation control where our products are used successfully around the world in printing, packaging, converting, paper & corrugation, woven & non-woven, tyre and steel industries. Established a strong presence in the Indian printing and packaging sector, securing widely satisfied customer base.

Backed by a powerful team of engineers, sales professionals, manufacturing experts, service technicians who use their expertise and skills to guarantee high quality products & services to ensure customer satisfaction is our core concern.

We offer various possibilities to shape, control & monitor production processes in a more precise and efficient way. This includes the automation of machines, the modernization of older machines (retro-fit), and the integration of the BST eltromat systems in the existing machines.

Our Automation concepts conform to the specific demands of each individual production process.

We offer automation solutions for a broad range of applications:

- Turnkey Projects
- Operating concepts
- Visualization systems
- Controllers
- Drive technology
- Positioning technology
- Safety technology



## // Automation Solutions:

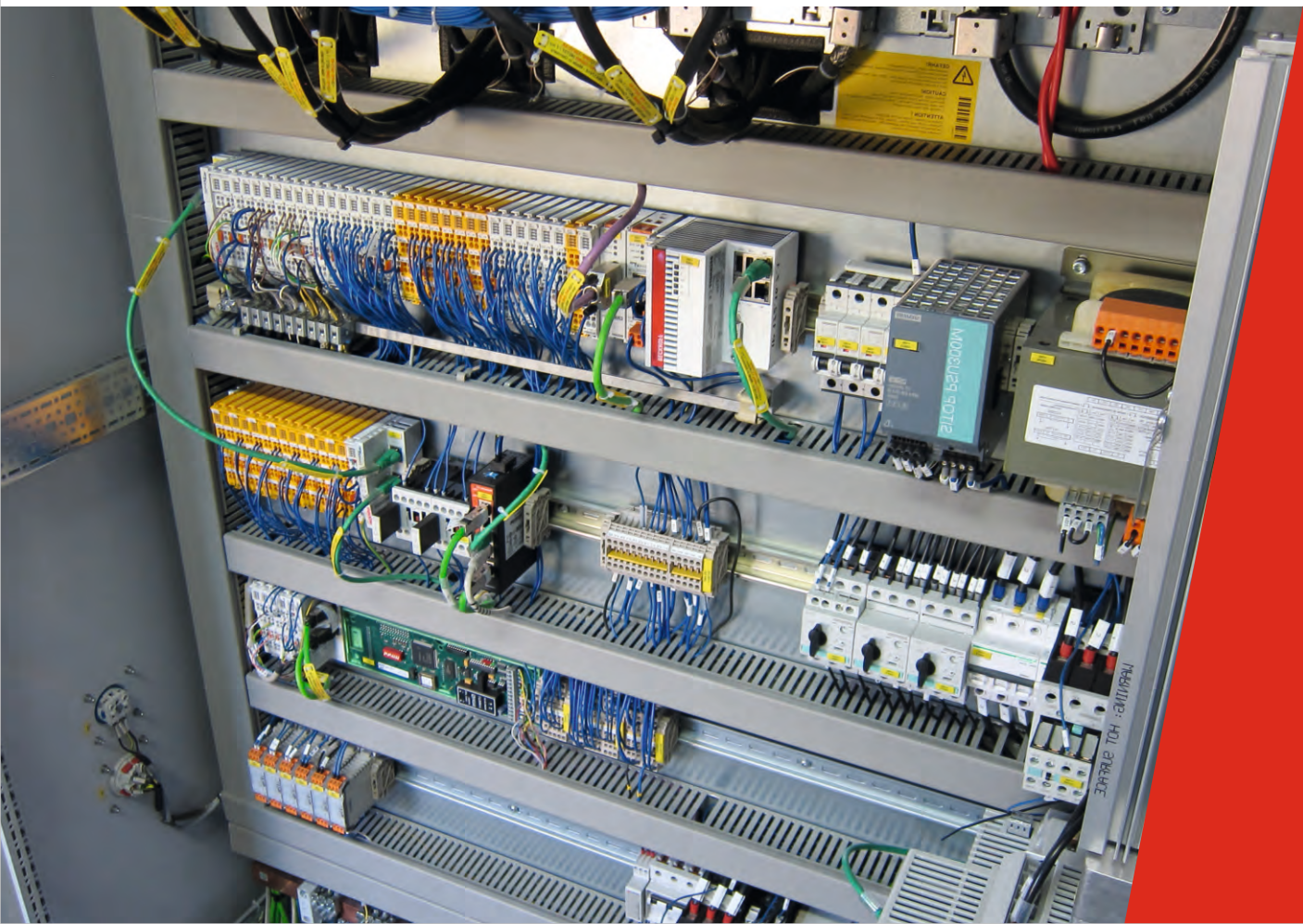
**BST eltromat India provides you customised automation solutions for any kind of application. Our quality system integration ensures that all your automation requirements are taken care.**

As an automation partner, you can rely on first-class technical competence as well as long-term practical expertise with a wide variety of applications and fields of use. Being the general contractor, we implement a one stop solution for fully integrated automation of the highest technical and professional level.

Variable frequency drive (VFD) Panel, PLC Panels, DOL Starter Panel, MCC Panels, PCC Panels, Machine & Process Automation, Turn-key Automation Solutions, Advanced Solutions for Printing Machines, Packing Machines, Bottle filling machines, Sheet Bending Machines, Sheet metal processing machines, Labeling machines & many more applications.

Above all, machine builders without their own automation department benefits from a cooperation with BST eltromat India: Outsourcing the topic "automation" does not only allow for focussing on the own core business, but also makes high performance a standard – thanks to a partner such as BST eltromat India.

Close coordination from the design phase forward enables the partners to focus early on the optimal application specific solution.



## Definition of the Project

- Preparation of a task list / an office manual with all information relevant to the project
- Inspection / overview of your machine
- Submit an offer



## Project Planning & Construction

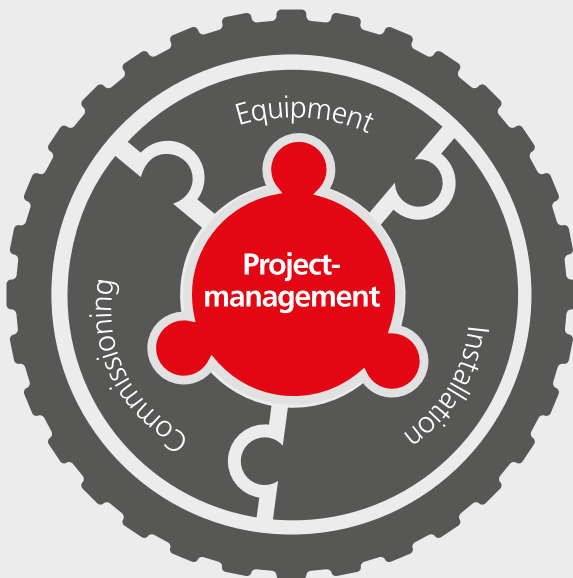
- Assigning and definition of a project manager
- Arrangement of a timetable
- Planning of resources
- Building of constructions (modification/integration)



## Production Stage

- Procurement of all components
- Production of the BST eltromat system
- Assembly of parts
- 24 hour test to assure quality
- Logistics

## EVERYTHING FROM ONE SOURCE



## Integration Stage

- Preparation of the machine
- Integration of the BST e
- Electrical and mechanical installation

## Project I

- Commissioning
- Training c
- Production
- Successful integratio



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## Finishing

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## Service

- Helpdesk for your immediate support
- Up to 10 years production support
- Intensively trained service technician directly on site
- Quick spare parts supply

## // Customised Solutions for various Industries

**Adapted to your production needs: Scope and degree of BST eltomat India; Automation concepts are specifically based on the requirements of the corresponding production. We offer a comprehensive service portfolio from drive to safety technology to cover a wide field of use.**

Wide range of customized solutions for various critical process across various industries. To name a few we have expertise in Converting, Chemical, Steel, Pharmaceutical, Tyre and Automobile Industries.

- **Converting Industry:** Automation of the MLS rotogravure, ELS rotogravure, Solvent-less Lamination, Solvent-base Lamination, Registered Cold Seal, Inspection Rewinding machine & Slitting Rewinding machine.
- **Chemical Industry:** Automation of the Boilers, Reactors With complete P & ID. Explosion proof panel & Atex certified equipments. Panel with IP 68 protection. DCS installation & Commissioning.
- **Steel Industry:** Automation Rolling mills, Cut to length applications & Customized solutions as per requirement.
- **Pharmaceutical Industry:** Automation of all pharmaceutical machines with compliance of 21CFR Part 11. Have an experience of doing automation of RMG, Roll compactor, Blister Packaging machine.
- **Tire Industry:** Calendering machine, Bias cutting machine, Doubling Machine, Tire Building Machine.
- **Automobile Industry:** Customize automation in compliance with TS 16949 automobile application.





**alphamix**<sup>™</sup>

## // AlphaMix: Two components Adhesive Mixing & Dispensing System

For any Solvent-less Lamination manufacturing company, it is very critical that the entire process should be flaw-less and there is absolutely NO de-lamination occurring on the films. It is very challenging for the operators to control and monitor this entire process.

BST eltromat India offers **AlphaMix** "the State of the Art" two component adhesive mixing & dispensing system with various unique features for your Solvent-less Lamination machines that ensures **ZERO DE-LAMINATION**.

It is available in two versions:

- Stand-alone
- Integrated with solvent-less lamination machine

Following are some exciting features & benefits:

- Both OH & NCO ratio can be set separately
- Actual Value of OH & NCO is displayed
- Actual Coating GSM calculated & displayed
- Wi-Fi connectivity for remote service
- Job / Roll wise report available
- Display of all critical information on one HMI
- Calculate weight of adhesive in real-time
- Ensures Zero De-lamination
- Sends tripping signal in case any issue
- Ensure the precise temperature & weight control



## // Scope of Supply:

BST eltromat India provides you customised automation solutions for any kind of application. Our quality system integration ensures that all your automation requirements are taken care.

- PLC
- Drive
- SCADA
- DCS
- Engineering Software
- Switch Gears
- Panel Building
- Vision Inspection Systems
- Installation & Commissioning
- Service Support 24X7

## // Your Benefits at glance:

Our systems stand for automation on a wide variety of manufacturing processes. The automation solution considerably contributes to a more efficient and more economical value added chain.

Your benefits as follows:

- Sustainable performance increase
- Improved product quality
- Increased profitability
- Minimized production waste
- High system availability – minimal service costs
- Optimal utilization of machines
- Easy operation thanks to user-friendly control concept
- Implementation based exactly on schedule
- Transparent ROI calculation right from the project beginning
- Optimal application based on partnership with renowned manufacturers of electronics
- First-class price-performance ratio, e.g. thanks to independent purchasing of components
- Clear long term product sustaining thanks to upgrades and retrofit plans

*perfecting your performance*

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