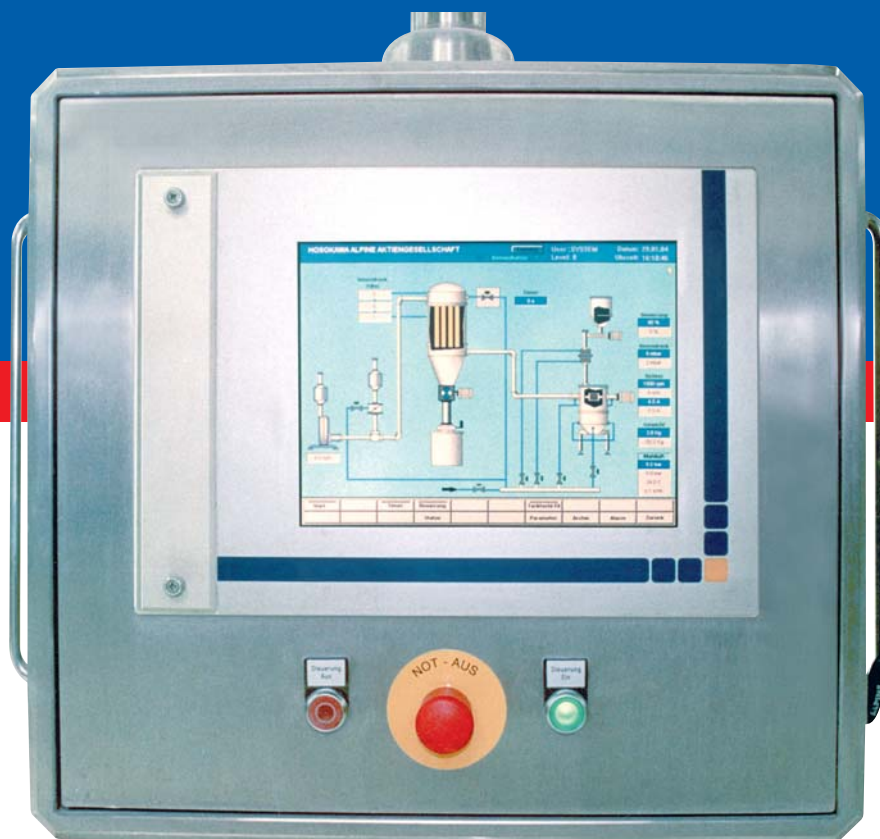


PLEXCONTROL – INTEGRATED AUTOMATION MODULES FOR PROCESS MACHINES AND SYSTEMS



PlexControl, the new automation technology service from Hosokawa Micron effectively translates powder processing technology knowledge into software and hardware solutions for the seamless automation of mechanical, process engineering operations.

Hosokawa Micron's teams of experienced process and electrical engineers work with customers to offer a customised process automation solution utilising individual PlexControl modules to suit required levels of automation of single stage processes to complex facility management.

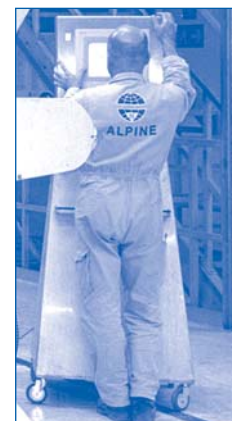
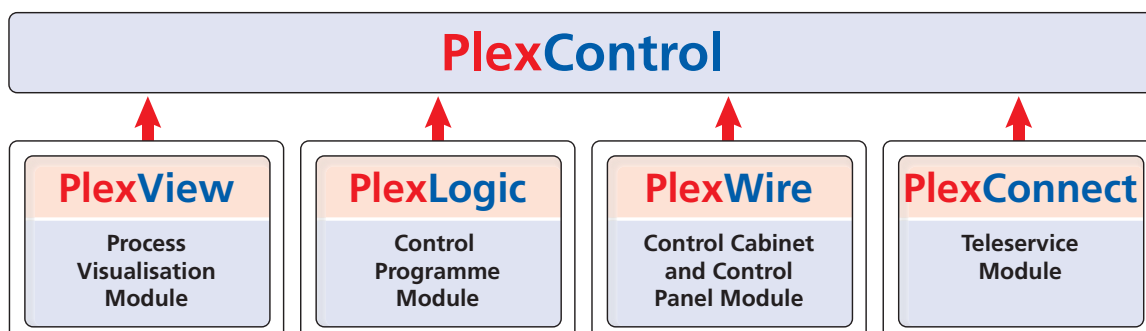
Manufacturers benefit from Hosokawa Micron's process technology expertise and:

- Application specific solutions
- Integrated automated systems
- Hardware and software compatibility
- Seamless module interface
- User friendly hardware and software packages
- Single source supply of automation technology
- Automation levels to suit your requirements

DOCUMENTATION AND ARCHIVING

The operating manuals for our automation systems are written and compiled by process engineers for process engineers. This saves operational personnel time and increases operational reliability.

Every delivered process solution is archived by Hosokawa Micron so you have the assurance of being able to refer to the original programme at any time.



PLEXCONTROL AUTOMATION MODULES



The PlexControl process automation system comprises four modules.

PLEXVIEW – PROCESS VISUALISATION

Process sequence and process parameters are represented graphically on screen. The system flowchart forms the basis for the representation of the process and is formatted, animated and supplied with the requisite process parameters. The operator is guided intuitively through the hierarchical menus which prevents operating errors and avoids additional training.

Functions

Operations and monitoring, process parameter input, plain language error messages, error message memory, password management, on-line trend indication, recipe management, print-outs.

Documentation

Programme listings, operating manual.

PLEXLOGIC – CONTROL PROGRAMME

Programmes are universally structured and documented. Tested programme modules are used for the structuring thus avoiding programming errors. Programme modules can be retrieved from libraries for efficient programme generation. All process control modules are tested prior to delivery to ensure fault free operation and speedy installation and process optimisation.

Functions

Automatic mode, maintenance mode, cleaning mode, start up and shut down sequences, control algorithms, error handling routines.

Documentation

Hardware configuration, programme listings, reference lists, CD-ROM.

PLEXWIRE – CONTROL CABINET AND CONTROL PANEL

The control cabinet is an all important component in ensuring efficient and reliable production sequences and is designed and built to meet individual requirements. All the safety, switching and operating elements must be geared to suit the production process and ambient conditions at the production site.

Circuit Diagrams

Wiring diagrams, terminal designations, cable lists, installation plans, terminal configuration plans for PLCs, design drawings, parts list.

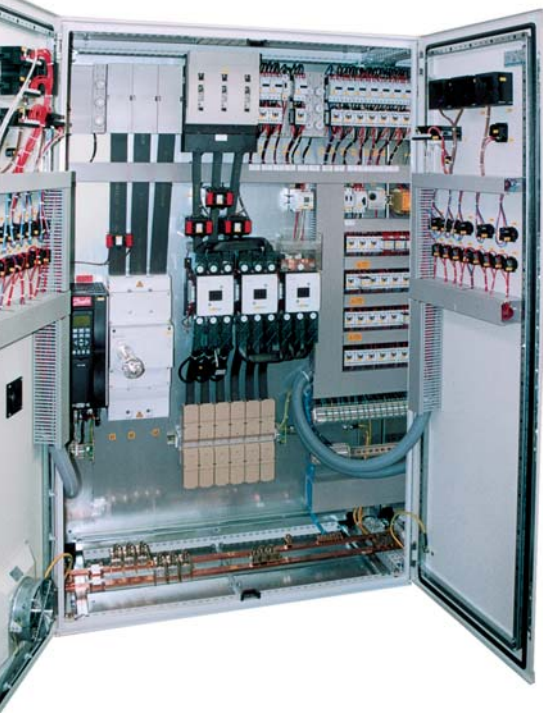


PLEXCONNECT

The PlexConnect module makes it possible to set up a connection between Hosokawa's premises and your production system via the telephone network. Data security and access security is an integral part of the design.

The on-line connection means that Hosokawa Micron can optimise your system and make changes to both the process control and the visualisation system without the need for on-site visits. System maintenance, fault diagnosis and maintenance measures can also be implemented in this way, keeping your system at optimum efficiency.

Working together as a team, Hosokawa Micron process engineers and electrical engineers can develop the optimum solution for each manufacturer, giving customers access to the process technology expertise of the leaders in powder and processing technology.



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The Hosokawa Micron Group will always be the leading global company covering the mountain range of Powder Technologies. The Group will achieve peaks of excellence in the development and commercialisation of advanced materials, process equipment and systems engineering.

PROCESS TECHNOLOGIES FOR TOMORROWSM