Gallus Print Academy

Modular training portfolio

Training concept Gallus portfolio

Your key to optimised production and first-class print quality - training concept for label printers

In an industry where precision, efficiency and innovation are key to success, in-depth expertise is the most important asset. Our training concepts are specifically designed to help print shops like yours get their machines, employees and processes up to peak performance.

Our programmes combine theory and practice to cover the entire range of modern printing technologies. From the basic machine to flexo and screen printing, offset printing and gravure printing through to highly complex processes such as combination printing and multi-web - we provide the expertise your teams need to excel in all areas. Topics such as die-cutting, register control, laminating as well as hot- and cold foiling complete our portfolio.

What sets our concept apart? We bring our services directly to you. Our training courses take place in your familiar production environment - on your machines, with your current jobs and with your substrates. This means that your printers not only learn the theory, but also put what they have learnt directly into practice. This approach ensures that your employees can apply their new skills right away and that your production processes become noticeably more efficient. Another key component of our training is process optimisation. Together, we identify potential for improving your work processes and raise your machine performance to a new level. Our aim is to make your investments in technology and employees successful and sustainable in the long term.

Rely on training concepts that inform, inspire and deliver real results. Together, we turn knowledge and technology into the basis for your future success.

Mandatory training

Building the foundation for all subsequent training modules.

Training module basic machine   Duration 1 day

Description	Content
Safety briefing	Safety devices Emergency stop/ripcord
Maintenance / Lubrication	Explain maintenance schedule Operating instructions Handling machine auxiliary materials Water, electricity, air supply Spare parts catalogue Filter replacement Replacing UV lamps
Basic machine instruction	Structure of switch cabinets Operation of cooling unit, temperature preselection, flow rate Starting the machine Control status Control panel (HMI), operating structure, button functions Status messages, error message catalogue, service masks Drying system (UV/hot air) Operation
Remote support	Check connection
Web run	Web run settings incl. unwinder, web cleaning, Web edge control, corona settings, ionisation/antistatic Web tension settings, rewinder with rewind curves

Optional training

Training module digital printing basic   Duration 3 days

Description	Content
Basics of digital printing	Principle of Inkjet Printing Web-fed Digital Printing Unit (DPU) Splice control Input on the control panel (HMI) Colour container change (BiB exchange) Ink supply - setting the wake-up time Print head cleaning programmes
Prinect / Production	Create output condition (substrate qualification) Prinect Cockpit - create templates, maintain sequences, colour management Determining pinning values and UV performance Working with Wizard Substrate requalification
Compensation	Dedicate and compensate for missing nozzles Missing Nozzle compensation on demand - HRNT
Substrate qualification	Compensation DUC (density unevenness) Compensation MNC (missing nozzle compensation) Printability print job
Quality Check	Weekly quality prints and evaluation
Maintenance	Print head cleaning programmes and visual inspection Cleaning of pinning bar and glasses Cleaning agents and auxiliary materials
Error messages	Understand, rectify
Troubleshooting	Theory: recognising printing errors, causes and troubleshooting

Training module digital printing   Duration 2 days

Description	Content
Application training	Digital printing Hybrid printing Printing with format length correction Colour matching/colour management Register control Insetting

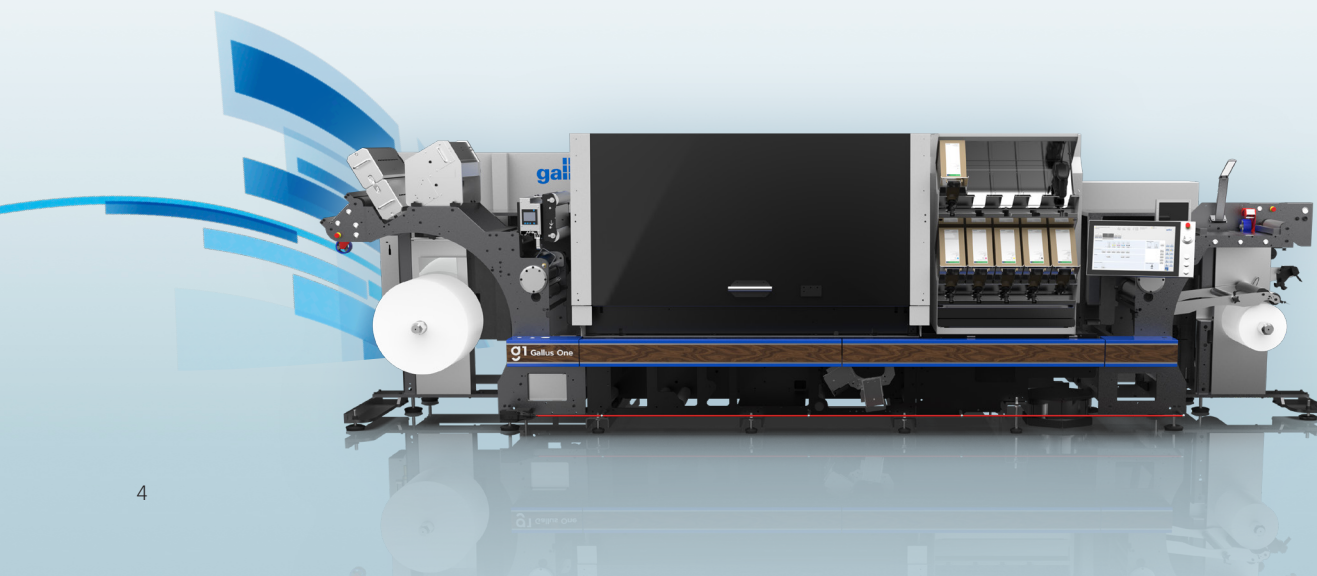## Training module digital printing Prinect   Duration 3.5 days

Description	Content
Application training	Adobe Acrobat Pro Application PDF Tool Box Prinect Cockpit - Load Job, Step & Repeat, Print Marks, Labelling Prinect Cockpit - Rip applications (saving, black retention, etc.) Prinect Cockpit - Colour management (colour matching)

Training module in-depth Prinect   Duration 4 days

Description	Content
Application training	Variable Data Proofing Integration in existing prepress workflow

Training module flexo printing basic   Duration 1 day

Description	Content
Basics of flexographic printing	How flexographic printing works Backside printing by reversed drive Theory of anilox roller, tape, doctor blade Thory of printing plate production, calculating the distortion factor Specifications for repro (print marks, support strips) Printing plate assembly
Setting up the flexographic printing unit	Equipping/assembling the chamber doctor blade Equipping the printing unit, anilox roller, ink chamber, impression cylinder Basic settings on the printing unit Input on the control panel (HMI)
Press proof	Print feeds (doctor blade, anilox rollers, impression cylinder) Press proof, kiss print, optimum print feed Anilox roller pressure with reference colour Working with the ink pump
Equipping the flexographic printing unit	Equipping the printing unit Cleaning the printing plate, impression cylinder, anilox roller, ink chamber Cleaning the printing unit incl. impression cylinder
Troubleshooting	Theory: Recognising printing errors, causes and troubleshooting

Training module screen printing basic   Duration 1,5 days

Description	Content
Basics of screen printing	How the screen printing unit works Theory of screens and doctor blades Screen assembly Check squeegee in the gauge, grind and align if necessary
Setting up the screen printing unit	Insert screen into printing unit and tension Equip the printing unit (pump, squeegee, hoses) Basic settings on the printing unit Input on the control panel (HMI)
Printing proof	From parking position to printing position Set the distance from the screen to the impression cylinder Insert squeegee with or without level control Working with the ink pump Fill the screen with the correct amount of ink and allow the screen to rotate
Equipping the screen printing unit	Equip the printing unit Cleaning the screen, squeegee and hoses Cleaning the printing unit incl. impression cylinder
Troubleshooting	Theory: Recognising printing errors, causes and troubleshooting

Training module punching basic / Longitudinal cutter   Duration 1 day

Description	Content
Application training	Installing/removing the punching cylinder or flat punching tool Mounting the punching cylinder
Setting up the die cutting unit	Mounting the punching plate on the magnetic cylinder Operating the punch on the HMI Back side punching Operating the grid winder
Application training	Installation/removal of the slitting unit incl. knife change Operating the slitter, setting the knives

Training module register regulation   Duration 0,5 day

Description	Content
Application training	Configure register control incl. configuration options Register control (web/web), (web/cylinder)
Configuration	Teaching or setting read heads Operating the read holder
Operation	Operating the register control during the production run Switching off the global and local lateral register control Insetting

Optional training

Training module offset printing basic — Duration 4,5 days

Description	Content	
Basics of offset printing	Ink/water balance Clamp blanket and printing plate Operating the offset HMI Operating the ink zone console Setting the rollers, installing and removing the rollers Production of printing plates incl. bending edges etc. Theory of printing plate production Installation and removal of the offset printing unit incl. format cassette	Duration 2 days
Printing	Printing with and without bridge roller Printing with traversing (set application rollers) Creating your own colour and water curves Automatic start/stop	Duration 1 day
Water treatment	Check PH value, degree of hardness Mixing ratio alcohol, dampening water additive, Salinofix Operation technotrans Dampening unit settings Mode of operation	Duration 0,5 day
Maintenance	Cleaning the bearer rings Use the washing programme Prepare the squeegee Calibrating the colour zones	Duration 0,5 day
Troubleshooting	Theory: Recognising printing errors, causes and troubleshooting	Duration 0,5 day

Training module gravure basic — Duration 3 days

Description	Content	
Basics of gravure printing	Threading the material web Installation and removal of impression roller, impression cylinder, squeegee, suspension system Connecting the ink pumps with all hoses Operating the gravure unit on the HMI Regulating the web tension before and after the gravure unit Calculating the impression cylinder with the existing tool	Duration 1 day
Printing	Inking and printing with the gravure printing unit Checking and regulating the viscosity of the printing ink Back side printing with the gravure printing unit Safety information on the subject of solvents Register control	Duration 1 day
Maintenance	Cleaning the gravure unit	Duration 0,5 day
Troubleshooting	Theory: recognising printing errors, causes and troubleshooting	Duration 0,5 day

Training module punching / crosscutting cylinder — Duration 1 day

Description	Content
Application training	Mounting, installing, removing punching-/crosscutter cylinder Operating punching-/crosscutter cylinder Mounting/Dismantling sheet delivery with delivery belt Operating sheet delivery and delivery belt at touch pannel

Training module multiweb — Duration 2 days

Description	Content
Application training	Register regulation Troubleshooting Detailed training Optimisation of the machine settings HMI

Training module cold foil stamping — Duration 0,5 day

Description	Content
Application training	Web path cold foil Web tension settings unwinder and rewinder Selection of the anilox roller Material knowledge (adhesive/film) Print with cold foil

Training module laminate / conceal　　　　　　　　　Duration 0,5 day

Description	Content
Application training	Web run laminating foil Web tension settings unwinder Selection of the anilox roller Print with laminating glue Print with self-adhesive laminating film

Training module hot foil stamping　　　　　　　　　　　Duration 1 day

Description	Content
Basics of hot foil stamping	Handling change carriages, embossing axes, tools GDZ changeover Operating hot foil stamping on the HMI Process change with change carriage Tool Set-up, Dismantling Operating the heater Feeding hot stamping foil Correct cooling safets
Printing	Pressure feed Dynamic pressure feed Film saving control Process combination Control of distortion factors Print lengths
Maintenance	Changing oil, topping up oil Adjusting sensors
Troubleshooting	Theory: Recognising printing errors, cause and troubleshooting

Training module relief embossing　　　　　　　　　　　Duration 1 day

Description	Content
Application training	Information on the procurement of tools Cliché mounting of letterpress plates (male/female)
Operation	Preparing the cassette for bas-relief embossing Run-in programme at standstill/overload clutch Print supply Pressing (print feed, process combination, distortion factors) Embossing cylinder assembly

Training module multi-colour (combination) printing　　　Duration 1 day

| Description	Content
Application training	Preparing and loading printing units Optimised set-up process/procedure Configure register control Print in register

Training module refresh - training　　　　Duration as agreed - 5 days recommended

Description	Content
	Q&A sessions, practical examples from the participants' everyday work Refreshing and deepening existing knowledge to avoid errors and increase efficiency Experienced users who have already been trained but need a refresher Repetition of the most important functions Dealing with common errors and misunderstandings Updates on new functions or changed regulations Optimisation of work processes

Training module production support　　　　Duration as agreed - 5 days recommended

Description	Content
	Analyse processes Troubleshooting Detailed training Optimising the machine settings HMI Accelerate production
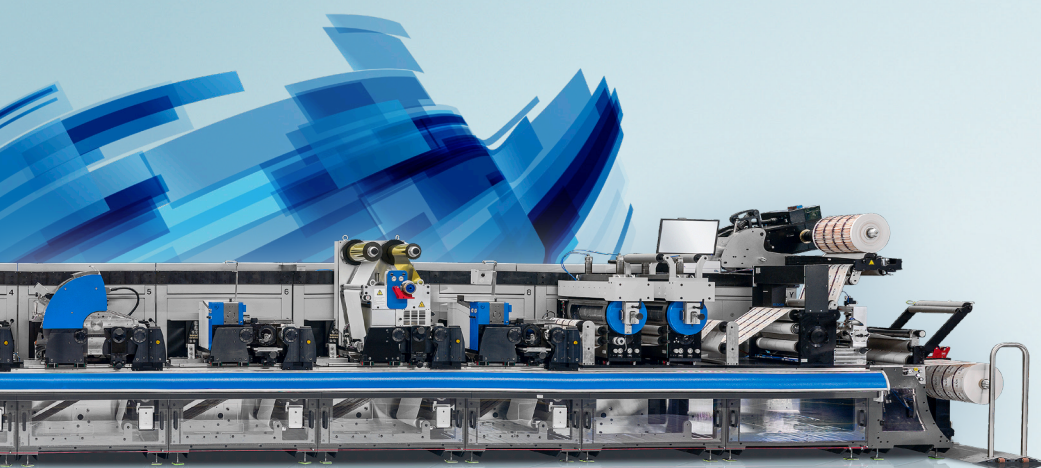
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