

Low Profile Infusion Tooling System  
POLYLITE® 33541-94

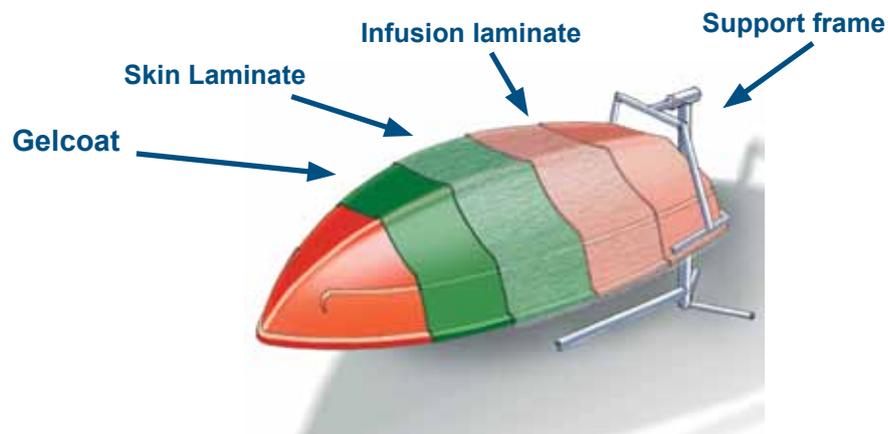
A More Effective Way of Producing Moulds

**REICHHOLD**



## POLYLITE® Low Profile Infusion Tooling System

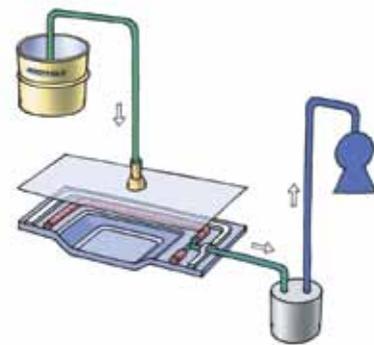
Reichhold's Low Profile Tooling system is well known in the market as a zero shrinkage, rapid curing system able to produce moulds through the hand lay-up or spray-up methods in days not weeks.



A continuous search for cleaner working conditions and higher demands on the end quality of the moulds is reached through a new way of producing moulds based on Vacuum Foil Infusion (VFI).

### Benefits of Low Profile Infusion Tooling:

- Better material quantity controlled
- Higher mechanical properties
- Lower overall weight
- Less dependant on laminating skills of staff
- Cleaner working conditions
- Low styrene emission



Advantages Vacuum Foil Infusion	Details
Low investments	Only small modifications are required to existing open mould methods
Improved laminate mechanical properties	Higher density laminates with increased glass content versus hand lay-up/ spray-up
Good reproducibility, reduced dependence on workmanship	As long as process parameters and reinforcement package designs are kept constant
Large products can be made in a closed process	Highly effective for components with large surface area and complexity
Very low styrene exposures and emissions	Reduced ventilation costs possible
Cleaner production	More pleasant work environment



**Step 1:**  
**Preparation/ Master Plug**



**Step 4:**  
**Reinforcement + Infusion**  
POLYLITE® 33541-94



**Step 2:**  
**Special Tooling Gelcoat**  
NORPOL® GM 60014 H/S (green) or  
NORPOL® GM 90000 H/S (black)



**Step 5:**  
**Support Frame**



**Step 3:**  
**HLU Skin Laminate**  
HYDREX® 33390-10 (Vinyl Ester Hybrid)



**Step 6:**  
**Demoulding**

This new generation of POLYLITE® Low Profile Infusion Tooling System allows clean and easy tool manufacturing in combination with excellent end performance properties during practical use.

**Preparation**



**Tooling Gelcoat**



**Skin Laminate**



**Reinforcement**



**Infusion**



**Demoulding**



In case you need advice on application and layout, feel free to contact your Reichhold representative.

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With its world headquarters in North Carolina, USA, and 19 manufacturing sites and 4 technology centres spread around the world, Reichhold has the widest global reach of any resin supplier today.

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