



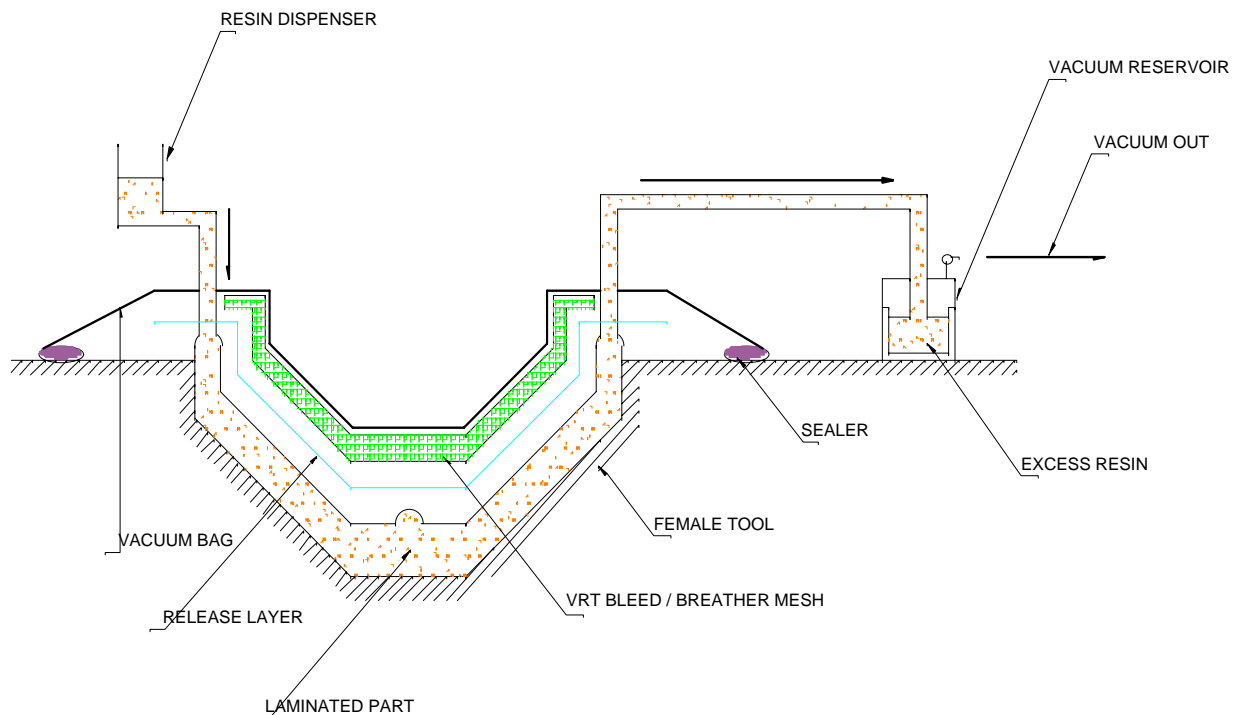
JR TECHNOLOGY  
LIMITED

REINFORCED PLASTICS & COMPOSITES  
PRODUCTION ENGINEERS

VACUUM RESIN TRANSFER/  
INFUSION

This technique of moulding provides all the advantages of a dry lay up method, in terms of: economics, health & safety and handling of resins; achieving closely controlled fibre volumes of up to 70%, giving a corresponding improvement of properties compared with wet lay-up procedures. The process permits the use of almost any resin system (with suitable pot life & viscosity) and combinations of woven & uni-directional fibres.

Utilising a single open male or female mould (depending on the preferred finished side), the resin is allowed to flow under a vacuum bag, eliminating the necessity for matched tooling. It is ideal for producing both small and large components. The process involves drawing resin from a container into the mould (by vacuum) through JRTL's specialist bag connectors into a system of coils. Either a single coil is incorporated near the centre of the moulding or a continuous coil around the rim. This can either be left in the structure or trimmed off. The illustration below shows the items used in the process.



Accelerated curing can proceed once impregnation has been completed using either ovens, autoclaves or other heat sources.

All equipment, consumables and advice for this process are available from JR TECHNOLOGY LIMITED or their appointed agents.



JR TECHNOLOGY LIMITED, 81 NORTH END, MELDRETH, ROYSTON, HERTS. SG8 6NU, UK  
Tel.- +44 (0)1763 260721 Fax.- +44 (0)1763 260809  
e-mail.- enquiries@jrtech.co.uk Website.- www.jrtech.co.uk



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The picture below shows a part being infused utilising J R TECHNOLOGY LIMITED equipment & consumables, including a 5 Litre, Plastic Vacuum Reservoir:-



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e-mail.- enquiries@jrtech.co.uk Website.- www.jrtech.co.uk

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