

# IMPREGNATION SYSTEMS

## ON SITE EQUIPMENT

*RSM offer a range of installation equipment to suit both small and large diameter applications, comprising of; Impregnation Rollers, Vacuum Systems, and Resin Mixing devices - all to assist in producing an excellent quality cured liner.*



## SITE IMPREGNATION ROLLERS

### **Nip Rollers**

*Capacity: 100 to 150mm diameter liners*

### **Pinch Rollers**

*FLOOR MOUNTED*

*Capacity: 100 to 300mm diameter liners*

### **Pinch Rollers**

*WITH STAND*

*Capacity: 100 to 300mm diameter liners*

### **Electric Mobile Rollers**

*Capacity: 100 to 225mm diameter liners*

*Power: 110/240v*

## SITE IMPREGNATION TABLES

Our standard on site liner impregnation table, with an 870mm wide non slip conveyor belt, adjustable gravity roller, mechanical veneer depth gauge and 110 volt mechanical speed controller. This unit fulfills most site requirements for liners up to 375mm in diameter and is easily transported on its own frame with lockable wheels.

*Our portable wetout tables come complete with variable speed control panel, both forward and reverse functions, adjustable pinch roller mechanism and specialist non slip belt conveyor. Table mounted on an easily transportable frame with 4 lockable wheels.*



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## ADVANCED EQUIPMENT

*Impregnation systems can be designed and produced around your exact needs, portable units to fit into on site units or fully automated systems can be supplied. This page includes just a taster of what we have supplied to date.*

### LARGE SITE IMPREGNATION CONVEYOR

*Our largest site impregnation conveyor (which is also suitable for factory operation) is capable of impregnation of liners up to 750mm in diameter, and comes with a 1500mm wide non slip belt, large diameter adjustable gravity roller, variable speed control, vernier measurement, and emergency stop control.*

### FACTORY IMPREGNATION SYSTEM

*We can design and manufacture factory impregnation systems to suit individual specifications.*

*The system below is the largest impregnation conveyor in the UK, built to accommodate liners up to 2000mm in diameter and designed by RSM to exact requirements.*



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## FITTED TRAILER IMPREGNATION SYSTEM

RSM specialise in the design and build of bespoke site vehicles and trailers for the impregnation of liners on site.

Our impregnation units can be designed with internal mixing and resin distribution systems. Impregnation tables are designed for the majority of lining applications that makes the impregnation of liners possible within a self contained site unit. Vacuum pumps and resin distribution systems are available as stock products in our brochure, or can be designed to suit specific requirements.



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## VACUUM PUMPS

To ensure good quality impregnation a vacuum pump is an essential site tool, RSM offer a 110 volt and 240 volt option suitable for most liners up to 375mm in diameter.

### **BASIC** Units available in 110 volt and 240 volt

*Dimensions: 320 x 150 x 150mm (Pump Only)*  
*Weight: 15kg*

### **ADVANCED** Units available in 240 volt and 3 phase.

*Free running inlet capacity 24 to 40 cubic metres.*  
*Dimensions: 412 x 206 x 308mm (Pump Only)*  
*Weight: 30kg*



## MIXERS

### 110 volt and 240 volt options

A good quality resin mixer is another essential tool. RSM offer mixers to suit Polyester, Vinylester, Epoxy and Silicate resins.

