

# Vacuum Pressure Impregnation

<http://www.whitelegg.com/products/electric-motor/electric-motor-manufacture/vacuum-pressure-impregnation>

## **Large range of Vacuum Pressure Impregnation Systems**

**From small systems to very large VPI plants**

**Latest technology used**

**Excellent value varnish also supplied for first fill**

**Different automation levels available**

**Vacuum Impregnation (VI) available without pressure**

VPI is a well proven process and systems are supplied for all sectors of the electrical and electronic industries.

Whitelegg supplied systems are well known for:

- Superb plant design
- Up to date process control

Techniques are constantly evolving in line with the needs of electrical designers and new insulation materials. Random wound low voltage machines may impregnate successfully with vacuum only techniques, but for form wound and higher voltage machines a pressure cycle is essential. We have the control that you and your plant requires.



## **Assimilation of new technologies**

Design and manufacture takes full advantage of the latest in insulation materials and impregnants. For example the design of railway traction motors continues to be aimed at greater output combined with a reduction in size and weight and nowhere has the advent of new materials been more evident.

## **Diversity**

From the Compact series with work chamber diameters from 300mm diameter to plants for high voltage machines with work chambers in excess of 5 meters diameter. Larger plants may be vertical or horizontal. The range includes plant for processing solid type paper insulated power cables, oil or gas filled cables, paper insulated and co-axial type telecom cables and for pre-drying and pre impregnation of cable papers.

## Control Systems

All plant is available with fully automated process control based on industrial PLC or PC/PLC systems. Manual or semiautomatic sequence controlled systems are also available. Data acquisition systems are custom designed to suit requirements.

## Ready Assembled Plants

These systems are pre-piped, pre-wired and assembled on a steel base ready for commissioning on site. Some standard sizes are:

Size	Internal tank dia.	Cylinder height	Max resin capacity	Max impreg, height	Vacuum pump m3/hour	Plant height	Plant width	Plant depth
VPI0708	700mm	800mm	300 litres	700mm	20	1600mm	2200mm	1100mm
VPI1012	1000mm	1200mm	950 litres	1000mm	100	2300mm	3500mm	1300mm
VPI1212	1200mm	1200mm	1400 litres	1000mm	100	2300mm	3900mm	1500mm
VPI1215	1200mm	1500mm	1750 litres	1250mm	100	2600mm	3900mm	1500mm
VPI1512	1500mm	1200mm	2200 litres	1000mm	200	2300mm	4500mm	1700mm
VPI1515	1500mm	1500mm	2800 litres	1250mm	200	2600mm	4500mm	1700mm
VPI1525	1500mm	2500mm	4400 litres	2250mm	200	3600mm	4500mm	1700mm
VPI2015	2000mm	1500mm	5000 litres	1250mm	200	2700mm	5500mm	2200mm
VPI2020	2000mm	2000mm	6500 litres	1750mm	200	3100mm	5500mm	2200mm