



Ink Manufacturer - Case Study



Case Study Information

Customer	Stamps/Ink Manufacturer
Location	UK

Equipment Supplied:

1 x Stainless Steel Eccentric Worm Barrel Pump - Flux F550S Range

Application	Photopolymer Resin Drum Pump
Temperature	Ambient
Viscosity	30,000 cPs
Immersion Tube Length	1000 mm
Flow	15 L/min
Total Head	2 Meters
Motor	1.1 kW, 3 Phase Motor, 900 rpm
Mechanical Seal	Ceramic Oxide
O-Rings	FKM
Bearing Flange	Aluminium
Outer Tube	Stainless Steel 316 Ti
Torsion Shaft	Stainless Steel 316 Ti
Eccentric Worm	Stainless Steel 316 Ti

Enquiry:

- ✓ This UK ink manufacturer was having great difficulties finding a suitable barrel pump to transfer their highly viscous photopolymer resin from a 200 litre drum. They required a reliable pump of high quality as this application was extremely important for the daily manufacturing process of the company.

Solution:

- ✓ Our knowledge and many years of experience in dealing with viscous fluids applications has taught us that due to the high viscosity nature of the fluid a progressive cavity pump would be the best option for this customer. We selected an electric progressive cavity barrel pump with a 1.1 kW, 3 phase motor at a speed of 900 rpm; this drum pump transfers a minimum of 15 l/min of the high viscous resin at 2 meters head.