Conductive Foam Rollers

BMP's TransThane 'CE' is a unique urethane elastomer system that achieves competitive EPDM levels of conductivity without using fillers of carbon black. TransThane 'CE' exhibits high abrasion and chemical resistance whilst offering a wide level of conductivity values.

Wicks & Wipers

Facing systems in digital printing equipment rely on advanced cleaning materials to prevent image quality problems and to facilitate efficient paper release. Wicks and wipers incorporate engineered non-woven textiles that prevent the build up of toner residue thereby maintaining print quality. BMP’s range of high temperature textiles can be impregnated with silicone fluids, are suitable to be mounted to support media such as plastic injection mouldings and metal pressings creating a low cost effective cleaning solution.

Heat Shields

Hot surfaces in office automation equipment require insulating to prevent operators/users from receiving burns. BMP has developed a non-woven high temperature textile that is impregnated with silicone fluids to provide the required level of heat resistance, yet is flexible enough to allow for die-cutting into complex profiles and shapes. The materials can also be laminated with pressure sensitive adhesives providing a more effective solution to traditional flocking.

Laser Printing Products

BMP's range of Laser Printing Products include:

- **Fuser Cleaning & Oiling Webs**: Oil supply and cleaning webs deliver precise amounts of silicone oil to the fuser for toner release and clean any remaining toner/paper dust from the fuser. The webs are engineered non-woven textiles, most typically of a thermal bonded construction. Depending upon your specific requirements BMP can design a web utilising various fibre chemistries, fibre sizes, and oil viscosities.

- **Fuser Cleaning & Oiling Rollers**: Oil supply and cleaning rollers deliver precise amounts of silicone oil to the fuser for toner release and clean any remaining toner/paper dust from the fuser. Typical construction incorporates a porous tube wrapped with engineered non-woven textiles to prevent any build up of toner residue thereby maintaining print quality. Depending upon your specific requirements BMP will design a roller utilising various fibre types, textile types, construction designs, and oil viscosities.

- **Lubricating & Cleaning Felts**: Oil supply and cleaning felts are engineered non-woven textiles which deliver precise amounts of silicone oil to the fuser for toner release and clean any remaining toner/paper dust from the fuser. BMP will design a felt cleaner utilising various fibre types, textile types, construction designs, and oil viscosities.

For more information about automotive products please email: info@bmpworldwide.com
Laser Printing Products

Photoreceptor Cleaning Brushes
Conductive and non-conductive pile brushes are used to mechanically and/or electrically remove charged toner from the photoreceptor drum or belt in a digital printer device. BMP cleaning brushes are custom designed to meet each printer system’s unique requirements.

Filters
BMP particulate, liquid and air filter product capabilities can be uniquely adapted to digital laser printing technology. As BMP leverages our expertise in other markets to the Laser Printing Industry we are poised to lead the way for Laser Printing Industry filter products.

Paper Feed Rollers & Tyres
BMP’s range of TransThane paper feed transport rollers are manufactured from a hybrid cross linked cast polyurethane system. TransThane transport rollers exhibit exceptional chemical and abrasion resistance whilst being extremely stable at elevated levels of temperature and humidity. Demanding environments that preclude the use of traditional EPDM products are ideal applications for TransThane paper feed transport rollers.

Polyurethane Cleaning Blades
Polyurethane cleaning blades in digital printing equipment are used in a variety of applications from photoreceptor cleaning through to tribo-electric charging. BMP manufactures polyurethane cleaning blades produced from spun cast polyurethane sheet in a range of thicknesses from 0.50 - 75 Shore A and a range of hardnesses from 60 - 75 Shore A. Our products are durable and long lasting in order to achieve enhanced in-service life cycles.

Polyurethane Charge Blades
Polyurethane charge blades used for accurately developing tribo-electric charge in digital printing equipment. BMP manufactures a wide range of polyurethane charge blades used for accurately developing tribo-electric charge in digital printing equipment. BMP’s polyurethane charge blades provide varying levels of charge at differing frictional interfaces. Polyurethane charge blades can be accurately mounted to custom designed pressurised elastomeric support which can be either cyanoacrylate, polyurethane adhesive or a range of pressure sensitive adhesive tapes.

Fuser Units
BMP offers both contract assembly and re-manufacturing services on a wide variety of fuser modules used in digital printing equipment. From its China facility, BMP is able to offer contract manufacture of fuser modules from high to low complexity and with bills of materials from 60 to 600 components. BMP’s facilities in the UK and USA offer a full remanufacturing and asset recovery service on fuser modules across a wide range of OEM equipment.

Pressure Roller
BMP manufactures a wide range of extruded silicone sponge rollers which are ideally suited for nip/pressure applications in high temperature environments. Specialised silicone sponge rollers with OD’s from 15 - 500mm precisely ground to achieve accurate dimensional control.

De-Curler Roller
Utilising in-house extrusion and grinding capability, BMP is able to manufacture elastomeric rollers in EPDM, SBR, or Silicone for use as paper de-curler applications in high speed printers. Typically located at the fuser exit, de-curler rollers prevent paper deformation and associated jamming.