

Pillar Technologies

Advanced Technology Meeting Today's Most Challenging Applications

Company Mission Statement

"Pillar Technologies' mission is to provide superior quality and competitively priced solutions to customer requirements for material surface treatment and packaging applications while fostering a proactive, innovative business environment, promoting employee career growth and job satisfaction in a professional, ethical and safe work place".

Background

Founded in 1966, Pillar Technologies is recognized worldwide as a global manufacturer of surface treatment systems. OEM's and end-users in the industries of plastic film extrusion, coating, laminating, and printing have relied on Pillar's surface treatment equipment to provide long term high quality surface treatment results of increased wettability, long term adhesion, and/or specialty surface modifications onto most all plastic film and paper.

Corporate Philosophy

Pillar Technologies, an Illinois Tool Works (ITW) Company with more than 90 years of history, continues on with strong corporate beliefs. ITW today designs and manufactures fasteners and components, equipment and consumable systems and a variety of specialty products and equipment for customers around the world. The company's more than 700 businesses are small, decentralized and focused on their customers. By actively practicing teamwork with all customers and suppliers, Pillar continues to design and manufacture cost effective competitively superior equipment and products, solutions and work environments. Pillar's continuous improvement philosophy and dedication to innovation has lead to numerous equipment patents.

Lab Facility / Research and Development

The Pillar lab facility is available for testing and trials for all perspective and active customer applications. Our lab facility can treat anywhere from 12" to 60" webs from 0.5 mil up to 0.1875 inch thickness. All bare roll, covered roll and atmospheric plasma applications of a special or sensitive nature are available for evaluation at Pillar. The line itself is capable of speeds up to 1,000 fpm with web tensions control in the range of 0.5-3.0 PLI.

Products

For applications covering blown or cast film extrusion, BOPP, laminating and coating, printing and specialty applications, Pillar has the equipment answer. From narrow web to wide web utilizing the patented "unitized" narrow web, the Universal or the Split-Box designs, Pillar maintains a product line to manage your solution for surface treatment. For the case of difficult to treat, sensitive, uneven surface substrates, or simply just for surface modification applications, consider the dual dielectric, corona gas atmosphere, or plasma configurations.

Pillar offers a full line of UL, CE and/or ETL certified power supplies. Various options are available including computer interface, proportional speed, watt density control, data logging, remote control stations/panels and Total Functional Control (TFC). The TFC option allows for color touch screen technology with PLC communication for most all platforms available in the industry today. Sizes range from 0.5 kW to 30 kW, all with varying input voltage requirements for both domestic and international applications.

Technical Service

Our home office service department is ready to assist you with your concerns 24 hours a day. Call 262-912-7294 or toll free at 888-745-5276. Additionally, factory trained technical service and support advisors are on call at strategic locations in the U.S. and Canada.



SURFACE TREATER APPLICATION DATA SHEET

DATE: _____ QUOTATION TYPE: BUDGETARY []
 COMPANY: _____ FIRM []
 CONTACT: _____
 ADDRESS: _____ PROPOSAL SUBMITTAL DATE: _____
 COUNTRY: _____ PURCHASE ORDER RELEASE DATE: _____
 PHONE / FAX: _____ EQUIPMENT DELIVERY DATE: _____
 E-MAIL: _____

APPLICATION INFORMATION

TREATMENT TYPE: ___ Corona ___ Flame ___ Plasma ___ Atmospheric
 MATERIAL PRODUCED: ___ HDPE ___ LDPE ___ LLDPE ___ PP ___ PET ___ Metallocene ___ Paper ___ Other
 CUSTOMER PROCESS: ___ Blown ___ Cast ___ Printing ___ Coating/Laminating ___ Roll Form ___ Sheet Form

TREAT WIDTH: _____ inches (Max) _____ inches (Min)
 LINE SPEED: _____ FPM (Max) _____ FPM (Min)
 SIDES TO BE TREATED: ___ One ___ Two ___ Four Other _____
 TREATMENT LEVEL: ___ Dyne ___ Watt Density Material Previously Treated? ___ Yes ___ No
 MATERIAL TYPE: ___ Conductive ___ Non-Conductive
 SLIP CONTENT: ___ Low (>350 ppm) ___ Medium (>600 ppm) ___ High (>1,200 ppm)
 ADDITIVES: ___ Anti-Block ___ TiO₂ ___ Calcium Carbonate ___ Coloring ___ Anti-Stat ___ Carbon Black

ADDITIONAL ROLL(S) : ___ Nip ___ # Idlers Web Path Description: _____
 WEB THICKNESS: _____ mil _____ in _____ Gauge _____ # Paper Weight
 WEB TENSION: _____ PLI _____ Total Lbs ___ Load Cell / Drive by ___ Others ___ Pillar
 DRIVE PACKAGE: ___ Web Driven ___ Tendency Drive ___ Direct Drive ___ Gear Box, by Pillar
 _____ Motor, by _____
 MISCELLANEOUS: _____ _____ _____ Controller, by _____

GENERAL INFORMATION

TREATMENT ENVIRONMENT: ___ Hazardous ___ Non-Hazardous ___ Dusty ___ Humid
 EXHAUST REQUIREMENTS: ___ Yes ___ No ___ FASL Ozone Destruction Required: ___ Yes ___ No
 REMOTE OPERATOR STATION: ___ Yes ___ No ___ Feet from Station ___ "TFC" ___ Standard
 SHAFT EXTENSIONS: ___ Yes ___ No ___ Inches Required
 CONTROLS INTERFACE: ___ Yes ___ No ___ PLC ___ Other, Explain _____
 PLANT UTILITIES: ___ Volt ___ Phase ___ Hz Compressed Air @ _____ PSI @ _____ °F Dew Point
 SPECIAL REQUIREMENTS: _____