



PARKINSON TECHNOLOGIES INC

DUSENBERY® CONVERTING SYSTEMS
MARSHALL AND WILLIAMS PLASTICS
PARKINSON WINDERS
KEY FILTERS



BOPVDF Film

BOPVDF 薄膜



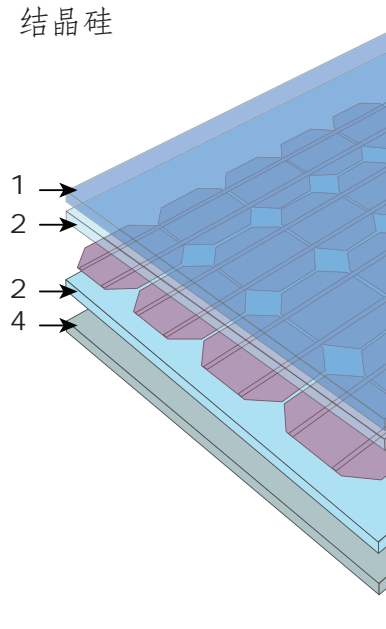
The photovoltaic market is expected to have a 30% annual growth in the coming years. Biaxially oriented PVDF films are well suited for use in backsheet laminations and other solar module components where barrier and weatherability are critical.

全球太阳能光电板需求，预计未来数年，每年均有30%的持续增长。双向拉伸 PVDF 薄膜因其独特的抗紫外线和耐气候性，被公认为最适合用于太阳能光电模组和背板的复合材料。



Crystalline Silicon

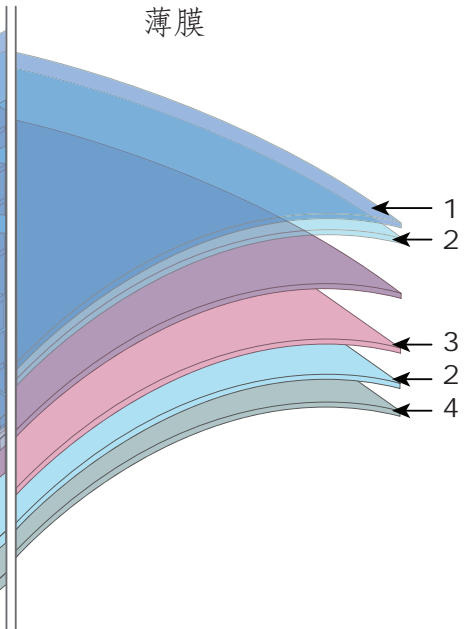
结晶硅



1. Front Sheet Materials
2. Photovoltaic Encapsulants
3. Thin Film Substrates
4. Backsheet Materials (PVDF)

Thin Film

薄膜



1. 面板材料
2. 光电封装片层
3. 薄膜基层
4. 背板材料 (PVDF)

Enhancing Your Productivity. Empowering Your Business.

提高你的生产力，给你的业务带来新动力 提高你的生产力，给你的业务带来新动力

Established in 1871, Parkinson Technologies is a global leader in high-performance web processing equipment for the plastics, nonwovens, paper, and specialty materials industries. Since our inception over 140 years ago, we've been helping customers worldwide enhance the speed, safety, and profitability of their production processes while providing them with everyday peace of mind.

Parkinson Technologies 始建于1871年，为全球高性能薄膜设备的领先供应商。处理各式材料包括塑料，无纺布，纸，及特殊高新材料。在过去的140年来，我们致力为全球客户提升产能，生产速度，产品规格，产品附加值以及安全的生产环境。

Microporous Membrane

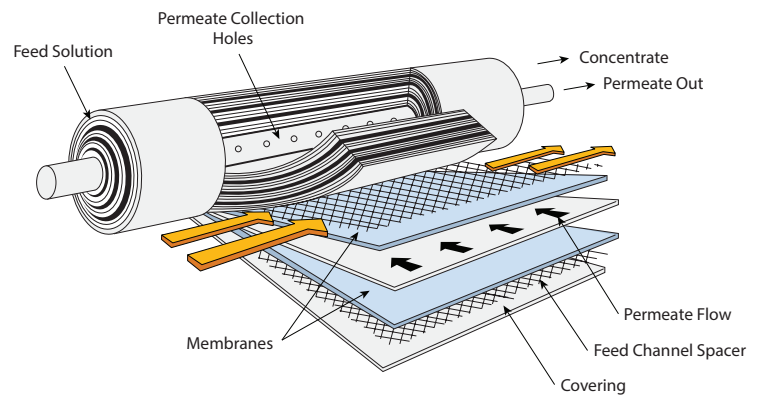
微孔膜



Advances in microporous filtration membrane technologies have been displacing chemical treatment systems in water purification. The membrane water treatment market is expected to grow from USD \$1.5 billion in 2009 to USD \$2.8 billion in 2020.

Additional uses for microporous membranes include air purification, medical devices and filtering fluids and gasses in industrial applications.

高效的微孔膜在过滤食用水的领域上，早已取代化学净化处理的方式。水处理薄膜市场于2009年为15亿美元，到2020年，预计将大幅增长至28亿美元。微孔膜在其他过滤领域，如空气净化，医疗，工业液气体等均日益广泛。



Continuous Belt Screen Changer

Key Filters continuous filtration systems use the screen belt method to remove contaminants continuously without interruption allowing for a more consistent and reliable filtering process.

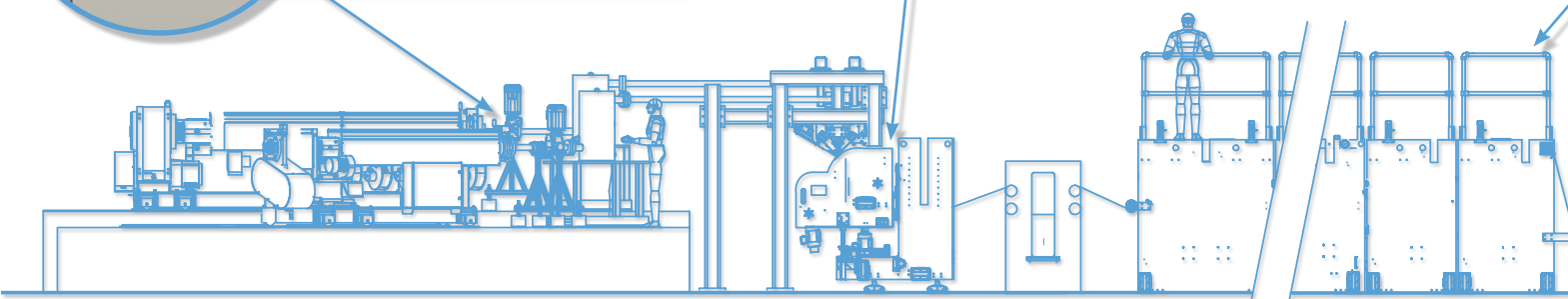
Key Filters 连续带式熔融滤网过滤器，在毫不影响挤出工艺下，利用网带过滤熔融流道内的杂质，确保生产稳定及产品质量。



Casting

Marshall and Williams casting rolls are double shell style with spiral baffle, and have an internal flow design to maintain superior temperature uniformity across the width of the web.

马歇尔·威廉铸片机辊筒为双层内壁配以螺旋式隔段设计。内流道设计保证了薄膜在滚筒左右的温度均匀一致。



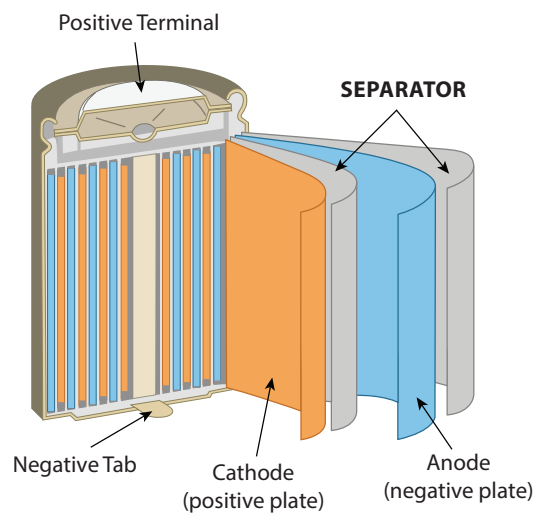
Separator Film

电池隔膜



Lithium-ion batteries deliver power when charged atoms (ions) move from the anode, through the separator, to the cathode. The separator is a thin sheet of semi-porous plastic that insulates the anode from the cathode, while allowing ions to pass through.

在锂离子电池内，带电离子的原子从阳极通过隔膜进入阴极，达到电能释放。隔膜作为一薄半微孔塑料膜片，分隔开阴阳极，并容许电离子自由通过。



Machine Direction Orientation

Marshall and Williams machine direction orientation of plastic film and sheet is accomplished by heating the web and stretching it in the machine direction over a series of rollers.

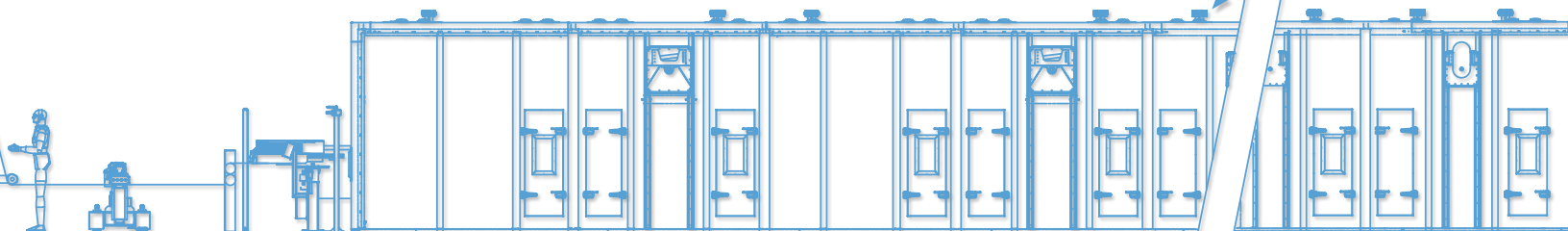
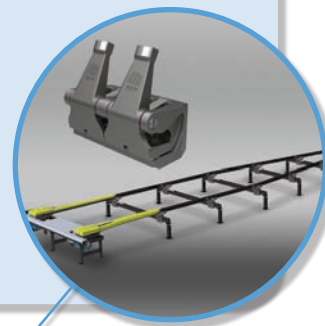
马歇尔·威廉纵拉机的设计，给薄膜提供升温，并通过一系列的辊筒中进行纵向的拉伸。



Transverse Direction Orientation

Marshall and Williams transverse direction orientation of plastic film and sheet is accomplished by heating the web and stretching it in the transverse (or cross) direction on a tenter frame.

马歇尔·威廉横拉机的设计，给薄膜提供升温，并通过一系列的链夹合轨道，于烘房中进行横向的拉伸。



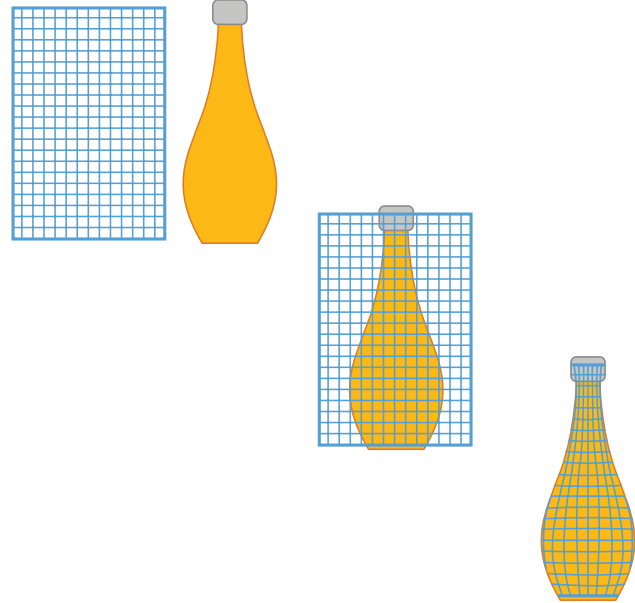
Shrink Film (PETG)

热收缩商标膜 (PETG)



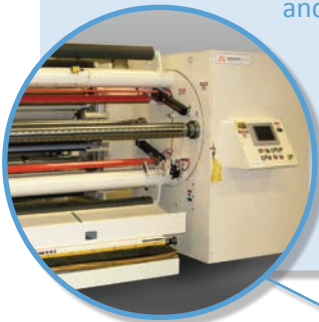
PETG (Glycol-modified Polyethylene Terephthalate) is an amorphous plastic resin of the polyester family used in various packaging applications including shrink film for bottling. Demand for shrink film is projected to grow 4.2% annually and Asia represents the largest market for global label demand with 47% share of the market.

PETG 为非结晶原料，于聚酯系列中广泛用于商标包装如瓶装及收缩膜。收缩膜市场每年平均增长为4.2%，而亚洲市场占全球 47% 的用量。



Winder

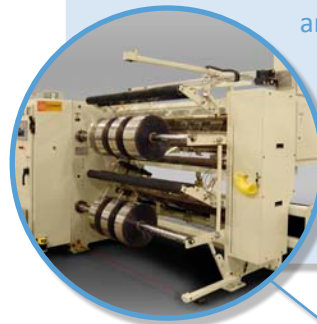
Parkinson winders are designed to meet the web handling requirements of the most demanding plastic film, plastic sheet, nonwovens and paper applications.



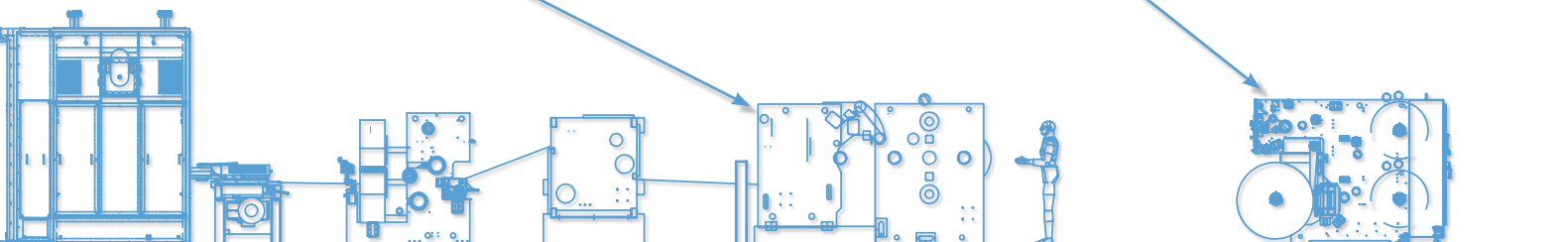
Parkinson 系列卷绕机为不同材料如薄膜，片材，无纺布，纸等。提供专业而稳定的卷取效果。

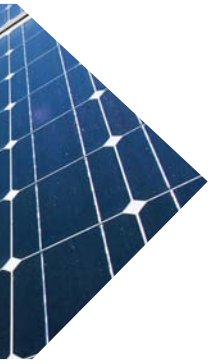
Slitter/Rewinder

Dusenbery offers a complete line of slitter/rewinder machines for slitting any paper, label stock, non-woven or film materials in any size configuration.



Dusenbery 分切机为不同材料如薄膜，片材，无纺布，纸等。提供不同尺寸组合的分切卷取效果。





Our Technology Labs

Secure & Convenient Product Development

我们全尺寸的试验生产线
为你提供真确而便捷产品样本

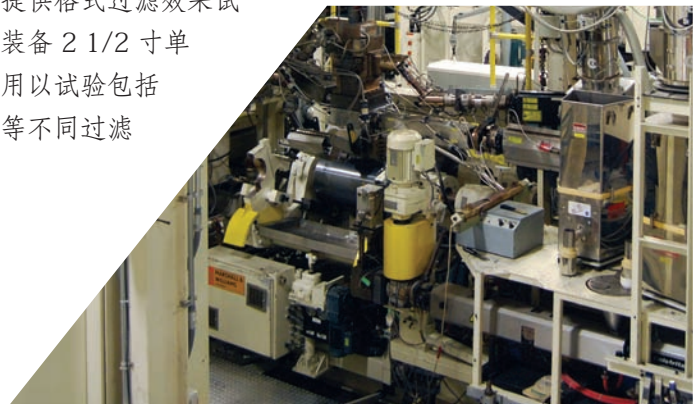
Located at Parkinson's corporate headquarters are two state-of-the-art technology labs, which provide a convenient and confidential environment for testing polymer formulations and plastics processing. Here you can evaluate machinery, conduct product/process development trials, produce samples for test marketing, and provide training on plastic film and sheet, and other materials.

位于 Parkinson 公司总部的两条试验生产线，为客户提供方便而机密的聚合物拉伸生产试验环境。在这里，你能对将添置的设备进行评估，进行对产品和工艺技术的研发，生产少量产品做市场调研。给薄膜，片材和格式物料的生产员工进行培训。

The Marshall and Williams Plastics Extrusion and Orientation Pilot Lab Facility is the most versatile plastic film and sheet extrusion and orientation laboratory commercially available for customer use. Key Filters' advanced melt filtration lab gives you the opportunity to test different polymers with a variety of screen changers. It features a complete 2 1/2" single-screw pelletizing extrusion line for testing material and filter combinations with continuous screen filtration capabilities.

马歇尔·威廉之挤出拉伸生产试验线，为现今全球塑料薄膜和片材领域，提供商业租用上最广泛用途的试验线。

KeyFilters 先进的熔融过滤试验线能为不同聚合物提供格式过滤效果试验。此试验线装备 2 1/2 寸单螺杆造粒机，用以试验包括连续带式换网等不同过滤设备。



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