

Korea USA Battery Technology Consortium

People & Technology



Head Office

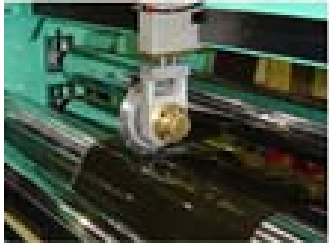


R&D



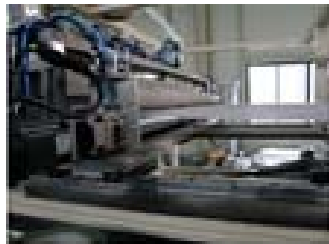
- Established Year: 2003
- Located in Gumi City
- Sales: \$52M in 2009
- Employee: 88
- Main Items: Coater & Dry Laminator
Slitter & Rewinder
Copper Foil Machine
ITO Film Machine

Company History



2003 ~ 2006. INCEPTION

- Established as People & Technology, Inc. in Chil-gok in 2003
- Developed a prism sheet and optical film facility
- Moved into Korean 1st Industrial Complex, Gumi-City
- Set up R&D Center in 2006



2007 ~ Now. DEVELOPMENT

- Honored as “ Innovative Enterprise”
- Obtained “ISO 9001;2000” and “ISO 14001;2004”
- Granted for Patent#10-0752304:”Roll Coating Device”
- Registered as Venture Company
- Honored as “University-student study & participate company”
- Made Investment Agreement with KDB(Korea Development Bank)



Sales Record on Battery

- ~ Slitter : 5 tools
- ~ Coater: 4 tools
- ~ Separator Coater: 4 tools
- ~ Separator Slitter: 4 tools

Company Certification

TRANSPACIFIC CERTIFICATIONS LIMITED



Certificate of Registration

This is to certify that

Quality Management System

of

People & Technology Inc.

#270, Gongdan-dong, Gumi-city, Gyeongsangbuk-do, Korea

complies with the requirements of

ISO 9001:2000

This certificate is valid concerning all activities related to:

For the Scope of

Design, Development, Manufacture and Servicing of Converting Equipments(Coating, Laminator, Slitter-Rewinder, Semi-conductor) and Automatic Machinery.

ANZSIC Code : C 3570

Aug. 11. 2008	Aug. 11. 2011	3643	 Managing Director
Date of issue	Valid until	Certificate No.	





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Version 1.05

TRANSPACIFIC CERTIFICATIONS LIMITED



Certificate of Registration

This is to certify that

Environmental Management System

of

People & Technology Inc.

#270, Gongdan-dong, Gumi-city, Gyeongsangbuk-do, Korea

complies with the requirements of

ISO 14001:2004

This certificate is valid concerning all activities related to:

For the Scope of

Design, Development, Manufacture and Servicing of Converting Equipments(Coating, Laminator, Slitter-Rewinder, Semi-conductor) and Automatic Machinery.

Aug. 11. 2008	Aug. 11. 2011	E0125	 Managing Director
Date of issue	Valid until	Certificate No.	





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Electrode Manufacturing Process

LiPB electrodes are made by Coater, Roll Press, & Slitter. The pre-mixed slurry with active material, conductive material, binder, and solvent is coated on the metal foil by Coater in the constant thickness. The coated electrodes are pressed to increase physical property by Roll Press. The pressed electrodes are cut by Slitter in the desirable size.



Coater



Roll Press



Slitter

Slot Die Coating System

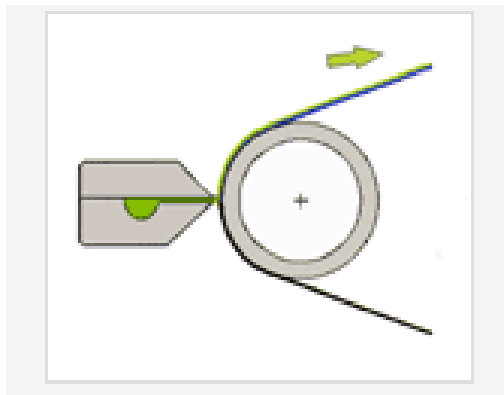


Concept

PNT'S slot die coating machines serves you excellent coating performance, perfect coating uniformity, minimizing faulty products, manufacturing efficiency and high production.

Features

1. Accurate Intermittent Coating.
2. Rapid Working speed(Max. 200m/min)
3. Excellent precision & Uniformity of coating thickness (Min. 0.5 micron)
4. Available low viscosity fluid(over 15cps)



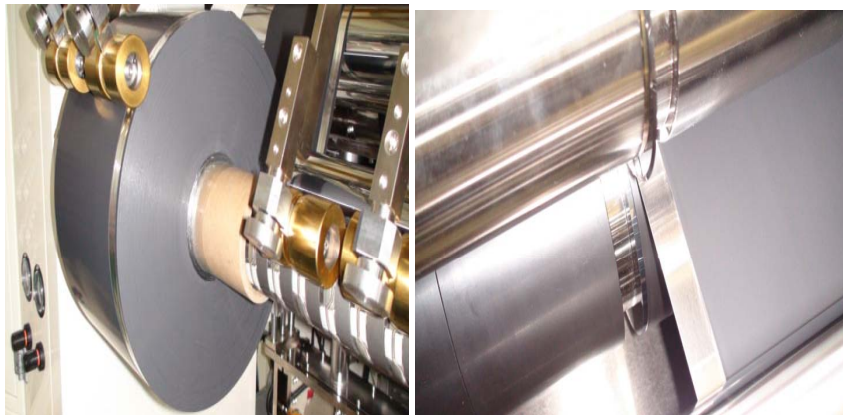


Process

**Unwind => Vision Inspection => Roll Passing
=> Slitting => Web Cleaning => Defect Marking
=> Rewinding**

Features

- 1. Side-lay Adjustment by Auto EPC**
- 2. Web Cleaning : Rotary Brush.**
- 3. Vision Inspection after Auto Marking system**
- 4. Knife motion control by AC Servo Motor**



Separator Coater



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Description	General Specification
Web Material	Polyolefin Film (Separated Membrane)
Web Thickness	8 ~ 20 micron
Web Width	Max. 650mm ~ Min. 250mm
Machine Speed	Max. 50m/min ~ Min. 3m/min
Coating Thickness	14.5 ~ 15 micron
Dry Zone Type	Zone Tunnel Type
Coating Type	Dip Coating Type
Unwind Diameter	Max. 500mm
Rewind Diameter	Max. 800mm

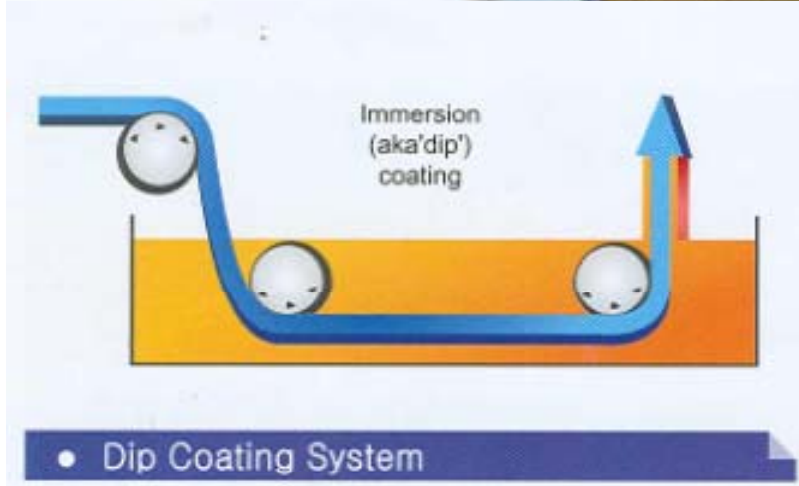
Process

Unwind => Accumulator => Infeed => Dip Coating
 =>Pre Dryer => 1,2,3 Dryer => CPC & Outfeed
 =>Protect Film Rewind => Rewinding

Features

1. Unwind : Smooth Web Supply by 2 Shaft
2. Simple Accumulator : No Web Twisting or Wrinkling.
3. Dip Coating : Excellent uniformity by the balance of Dip speed and Pull up speed
4. Air Floating Dryer : Easy control of Web material by equal flow speed of each nozzle

Dip Coating System



Concept

- The web passes through the coating fluid bath of low viscosity.
- It is mainly used for porous materials like non-woven

Features

- Proper Balance Between Dip Speed and Pull-up Speed
- Different Setting on the fluid type and viscosity
- Ideal uniform coating by specially designed Meyer bar

Separator Slitting Machine



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pWPNT 동영상WS

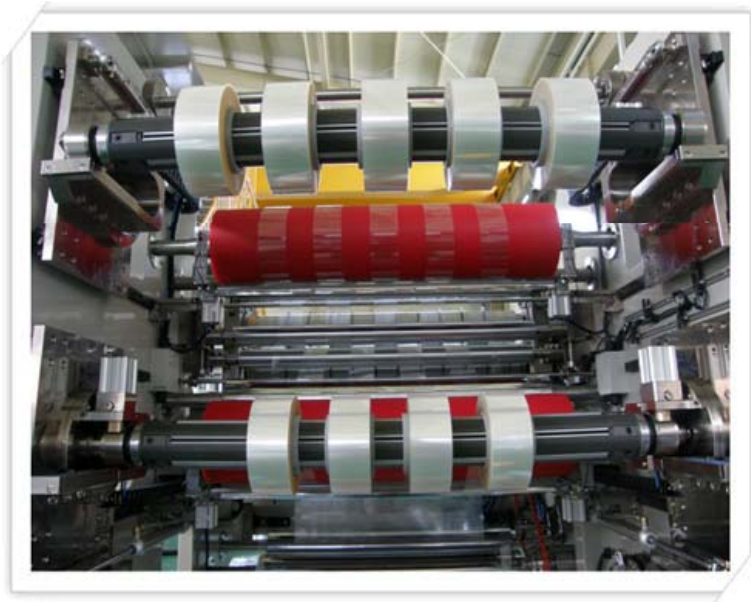


Process

**Unwind => Protection Film Scrap wind => Roll
Passing=> Slitting => Trimming Wind =>Rewinding**

Features

- 1. 2 Shaft Center Winding System**
- 2. Gang Knife Block Knife System.**
- 3. Open – Loop Tension Control : To Control
AC Servo Motor's Torque.**
- 4. High Speed : Max. 100m/min.**





Contact

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