

Achieving the Cutting-edge —

**SEKISUI**  
Sekisui Chemical  
Full of Surprises

## Roll-Direct Plasma Processing Equipment for Film Surface Treatment



Achieves high-level of uniformity  
and doesn't damage film  
(no particles generated)



### Features & Equipment specifications

1 »

#### Glow discharge treatment

Achieves high-level of uniformity and doesn't damage film (no particles generated)

2 »

#### Advanced treatment performance

Proven performance at speeds of 100 m/min and above

3 »

#### Extensive lineup

Works at widths of up to 2500 mm, 1- or 3-headtype

4 »

#### Ambient-pressure process that doesn't require a vacuum

Easily installable in existing manufacturing lines

Widths handled  
up to **2500 mm**

Treatment speed  
up to **100 m/min**

Utility  
Power, Treatment gas (N<sub>2</sub>, CDA),  
Exhaust, Cooling water

## Applications

Field	Usage
Optical films (polarizing plates, etc.)	Used as a pretreatment for functional membrane coating 1. Improves the adhesion of the coating membrane, 2. Enables use of thinner coating
PI, CCL	Treats PI film, improves the adhesion of adhesives and with other films
Other films	Pretreatment for printing of PET, PP, PE and other films / Improvement in wettability of fluorine film and other films, etc.

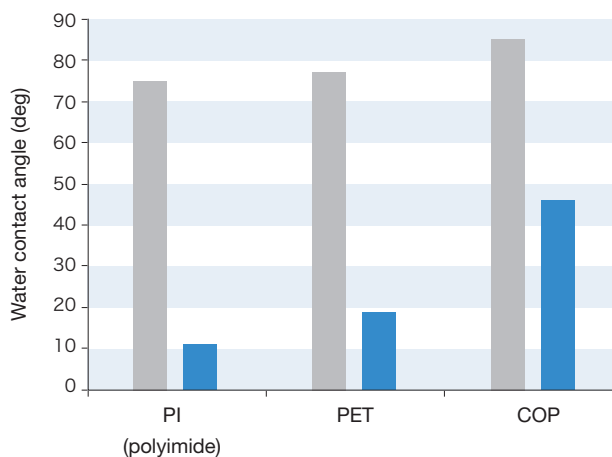
## Basic treatment performance

▶ Data on contact angle with other films

■ Untreated

■ After plasma treatment

\*Treatment speed: 30 m/min



▶ Adhesion strength with polyimide and epoxy adhesives

