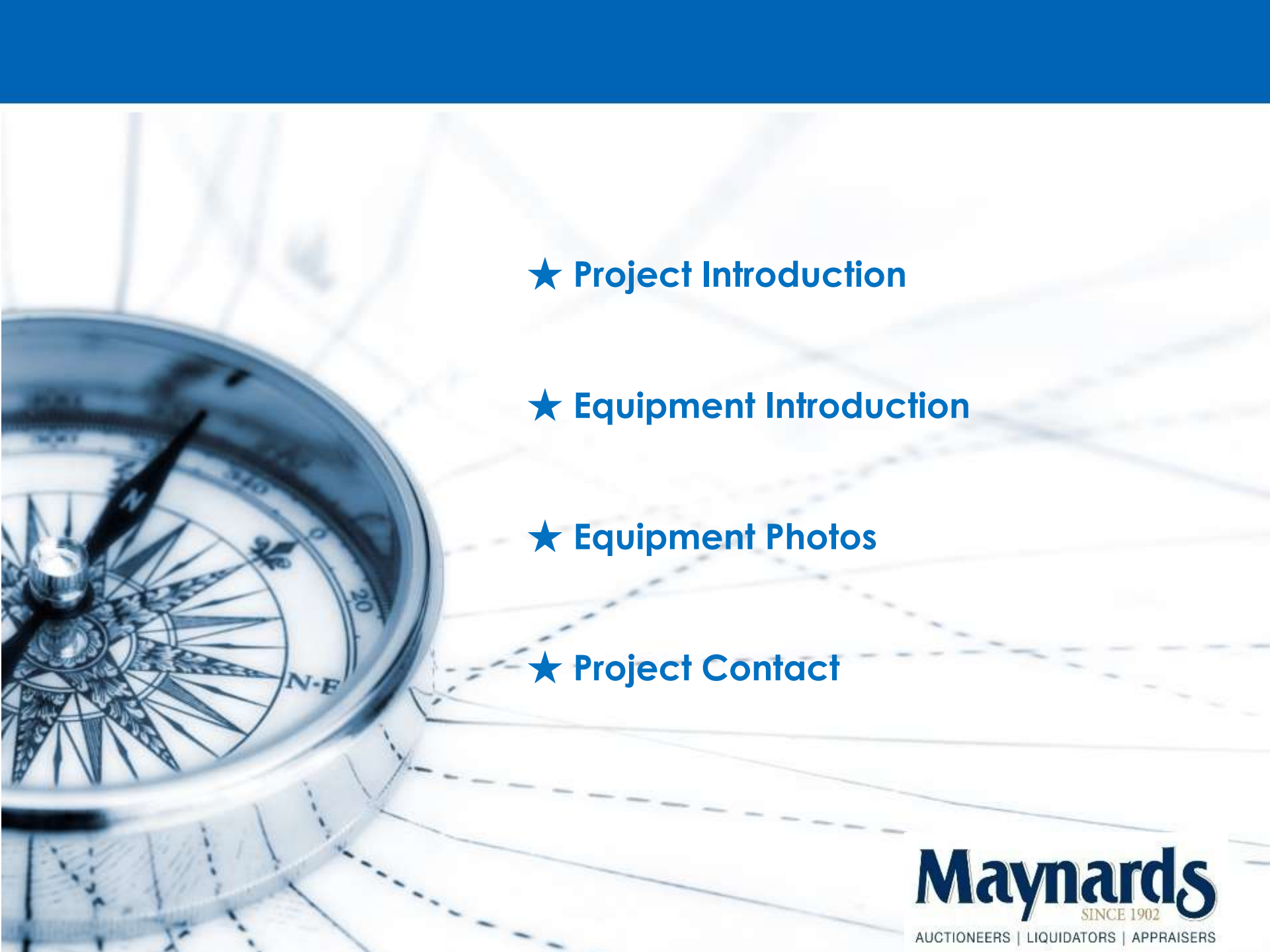


Introduction on Coating Machine Project



Maynards
SINCE 1902

AUCTIONEERS | LIQUIDATORS | APPRAISERS



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Project Introduction

Consigned by a local domestic new energy automotive leader to dispose its lithium-battery coating machine.

Due to business adjustments, the automotive company decides to abandon its plan for 4680 lithium-battery production line and dispose the relevant battery production equipment.

It is a set of slit die extrusion coating machine (for Anode and Cathode), manufactured and imported from Toray Company in Japan, produced in 2023 and arrived at the factory in 2024. All units remain in original packaging with factory seals intact, confirming unused condition.

The complete working units of this coating machine include:

- Unwinding Unit
- 1st Web Guiding Controller

Project Introduction

- 1st Coating Unit
- 1st Feeding Unit (including the 2nd Web Guiding Controller)
- 3rd Web Guiding Controller
- 2nd Coating Unit
- 1st Pass Roller
- 2nd Feeding Unit (including the 4th Web Guiding Controller)
- 2nd Pass Roller
- 5th Web Guiding Controller
- Half slitting Unit
- 1st Rewinding Unit
- 2nd Rewinding Unit (including the 6th Web Guiding Controller)
- 3rd Rewinding Unit (including the 7th Web Guiding Controller)
- Electrical Control Unit.

Equipment Introduction

1. Applicable Substrates

	Cathode	Anode
Material of Substrate	Aluminum Foil	Electrolytic copper Foil
Width (mm)	650-1,300	650-1,300
Thickness (μm)	10-20	4.5-10

2. Coating Slurries

	Cathode	Anode	Insulator Coating
Solid	NCM	Carbon	Al ₂ O ₃ , Boehmite
Solvent	NMP	H ₂ O	NMP
Solid Content (wt%)	70-80	45-55	25-40
Specific gravity of slurry	2.0-2.6	1.2-1.6	1.2-1.6
Binder	PVDF	SBR/CMC/PAA	PVDF
Viscosity	2,000 - 15,000	2,000 - 12,000	1,000- 8,000

Equipment Introduction

3. Coating Conditions

	Cathode (NCM)	Anode	Insulator Coating
Wet Coat Thickness (μm/Side)			
Dry Coat Thickness (μm/Side) (g/m ² /Side)	200-350	110-180	
Dry Side Coat Thickness (μm/Side)			40-60
Coating Width (mm)	Max.1,280	Max.1,280	Each 2-4
Coating Speed (m/min)	20-80	20-80	20-80

Equipment Photos

All units remain in original packaging with factory seals intact. Following photos were taken before packaging and delivery in Japan.



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