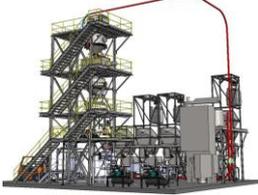
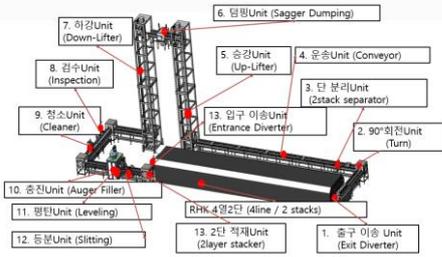
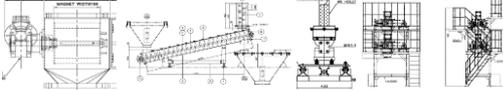
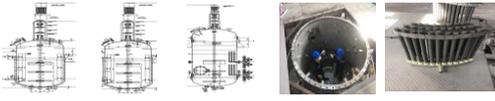


■ CI- Tech Products

Facility	Photo	Uses and Features
1 Rotary Cooler		<p>Rotary Cooler (회전 냉각기): This equipment cools materials that have undergone high-temperature processes such as rotary kilns to a temperature suitable for the next process.</p>
2 Loedige Dryer Mixer		<p>Loedige Dryer Mixer (뢰디게 드라이어 믹서): This equipment is used to increase process efficiency by simultaneously handling drying and mixing in a process that dries and evenly mixes slurry-type materials.</p>
3 VFP (Vertical Filter Press)		<p>Vertical Filter Press, VFP (수직형 필터프레스): VFP is an essential equipment that is responsible for the filtration and washing process to separate solids and liquids and remove impurities in a slurry state during the manufacturing process of key materials such as precursors, Cathodes, and Anodes, thereby playing an important role in obtaining high-purity materials and improving the quality of the final battery.</p>
4 Ribbon Mixer		<p>Ribbon mixer (리본 믹서): Ribbon mixer is a device used to efficiently mix powder or granule raw materials in the secondary battery material process. Widely used in various industrial fields for mixing powder and granules.</p>
5 Roll crusher		<p>Roll crusher (롤 크러셔): Roll crusher is a device that crushes tightly packed secondary battery powder. It compresses, cuts, rubs, and crushes the powder supplied between two rolls and delivers it to the next process.</p>
6 Tanks (Vessel)		<p>Vessel (용기/탱크): Mainly a container or tank that safely holds liquid or slurry materials and, if necessary, can perform processes such as mixing, reaction, and temperature control</p> <ol style="list-style-type: none"> 1. Mixing Vessel: Mixes active materials, conductive materials, binders, and solvents to create electrode slurry 2. Storage Tank: Used to temporarily store liquid raw materials, solvents, or finished slurries during the production process 3. Reaction Vessel: Used in processes that require specific chemical reactions
7 Tanks (Hopper)		<p>Hopper (호퍼): Hopper is a funnel-shaped container that is mainly used to store dry materials in powder (positive electrode material, negative electrode material, conductive material, binder, etc.) or granule form and then supply them in a certain amount to the next process.</p> <p>While vessels are mainly used to store and process liquids or slurries, hoppers are specialized equipment for storing and supplying dry materials in powder form.</p>

■ CI- Tech Products

Facility	Photo	Uses and Features
8 3-Axis Compact Mixer		<p>3-axis compact mixer (3축 콤팩트 믹서): In the electrode manufacturing stage of the secondary battery production process, the mixing process of mixing active materials, conductive materials, binders, solvents, etc. to create slurry is very important, and a three-axis mixer is used to mix the slurry for the specified purpose more evenly.</p>
9 Spray dryer		<p>Spray dryer (분무 건조기): Spray dryers are used to transform liquid raw materials or slurries into fine powder in the secondary battery material manufacturing process, and play an important role in high-performance dry electrode manufacturing technology for implementing high-capacity secondary batteries.</p>
10 Bead Mill		<p>Bead mill (비드 밀): Bead mill is a device used to further finely grind and disperse powder particles such as secondary battery materials, especially active materials or conductive materials.</p>
11 Pneumatic Conveying System		<p>Pneumatic conveying system (공압 수송시스템): This facility also called an 'air conveying system', it uses air to convey powder (powder or granular material) to the desired location through pipes.</p>
12 Conveyor system (BHT)		<p>Conveyor system (컨베어 시스템): *Configuration devices* 1.Exit Diverter, 2.90°Turn, 3. 2 stack separator, 4.conveyor, 5.Up-Lifter, 6.Sagger Dumping, 7.Down-Lifter, 8.Inspection, 9.Cleaner, 10.Auger Filter, 11.Leveling, 12.Slitting, 13.2Layer stacker, 14.Entrance diverter</p>
13 Facility of Raw material room		<p>Facilities of Raw material room (원료실 설비): Active material weighing and conveying unit, Dumping hopper for input, weighing and conveying, Storage for liquid slurry, Binder hopper for slurry and CMC Hopper, Cathode pre-dispersion hopper scale, Binder weighing hopper, Magnet filter for liquid slurry, Mesh filter, Powder filter, Slurry tank, DI Mixer tan, NMP tank, 3-Axis compact mixer,</p>
14 Auxiliary equipment		<p>Auxiliary equipment (부대설비 류): Rotary Magnet Filter, Screw Feeder, Vibrator Feeder, Rotary valve, Structure</p>
15 Precursor facility		<p>Precursor facility (전구체 설비): Reactor, Receiver, Thickener,</p>