

ULVAC

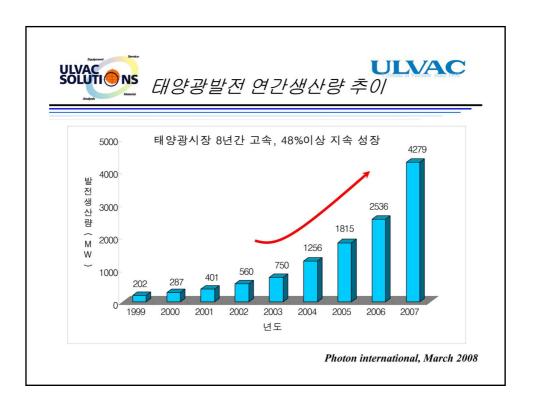
태양전지 제조장비 기술동향

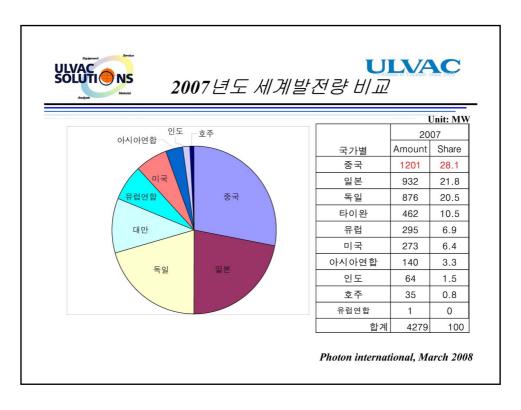
2008. 10. 24 ULVAC KOREA Chun, Sung-Hak

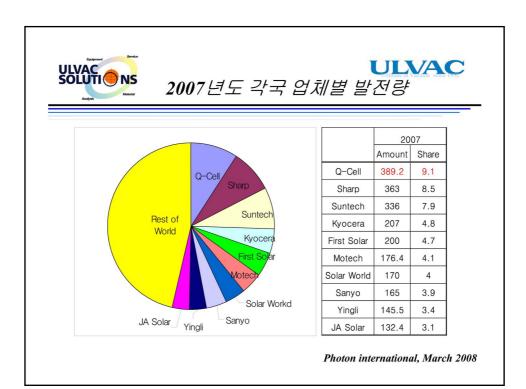


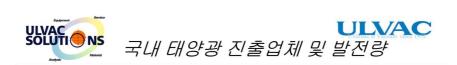


- 1. 태양광 발전 종류 및 장/단점
- 2. 박막형(a-Si계) 태양전지 제조장비
- 3. ULVAC 박막형(a-Si계) 제조라인
- 4. Turn-Key Business 日/ 교

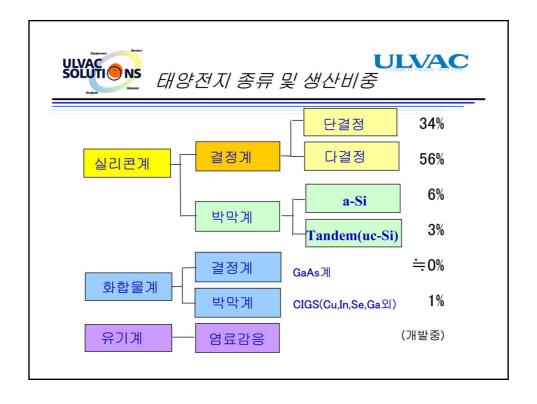




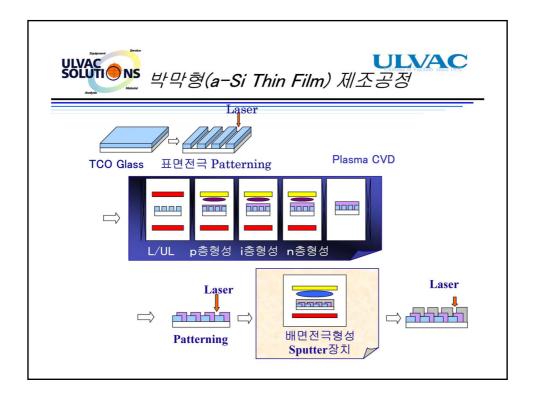


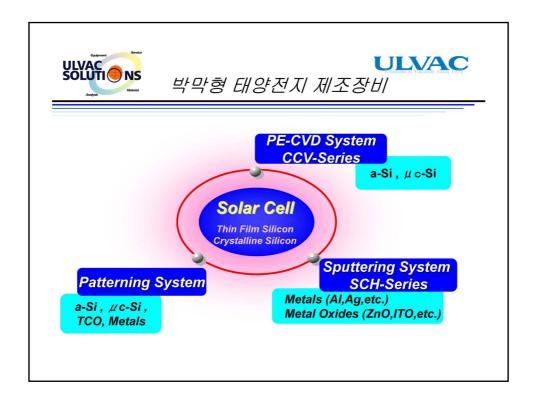


회사	종류	발전량
KPE	단결정계	56MW
Millinet Solar	단결정계	30MW
현대중공업	단결정계	30MW
신성ENG	단결정계	50MW
STX Solar	단결정계	30MW
한국철강	a-Si 박막계	20MW





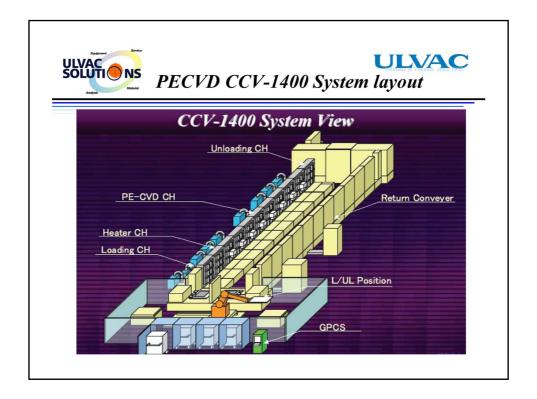


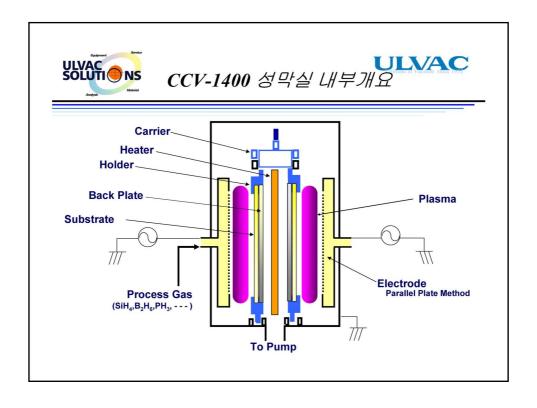


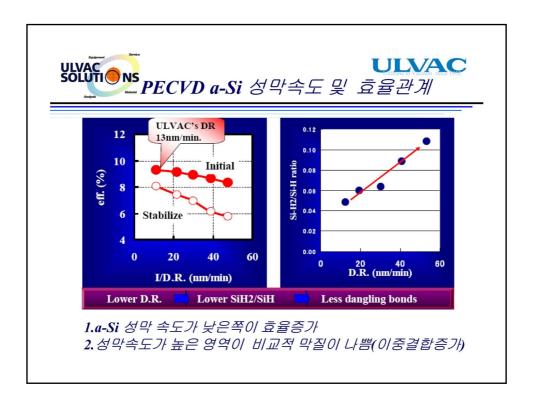


ULVAC 각사별 PECVD 장비비교

	ULVAC	Oerlikon	AMAT	주성ENG
장비형태	In-Line Type	Batch Type	Cluster Type	Cluster Type
Plasma Frequency	13.56Mhz	40Mhz	13.56Mhz	13.56Mhz
Loading 방식	20H/1carrier	20배/1Batch	One by One	One by One
진공Robot	무	유	я Я	유
기판사이즈	Gen. 5	Gen. 5	Gen. 8	Gen. 5
성막챔버수	Over 10실	Max 2실	Max 7실	Max 7실









ULVAC

각사별 Sputtering 장비비교

	ULVAC	Oerlikon	AMAT	AVACO
장비형태	In-Line Type	In-Line Type	In-Line Type	In-Line Type
반송방식	수평	수평	수평	수직
캐리어	미사용	미사용	미사용	사용
기판사이즈	Gen. 5	Gen. 5	Gen. 8	Gen. 5
방전방식	DC	DC	DC	DC



Sputtering System → 성

Inline Sputtering System Model: SCH-135

High Productivity



High Quality

