

Company Presentation

Synergies in Vacuum Coating & Wet Processing

1st Half-Year 2026



SINGULUS 

Introduction of SINGULUS TECHNOLOGIES

Leading provider of cutting-edge technology

Established: 1995

Employees: 312

Headquarter: Kahl am Main, Germany

Business areas:

- Research & Development
- Consulting
- Engineering & Design
- Project Management
- Production
- Installation
- Commissioning
- Service & Maintenance
- Hotline 24 / 7
- Training



SINGULUS TECHNOLOGIES – Financial Key Figures

1st Half-Year

in million €	1 st Half- Year 2026*	1 st Half- Year 2025
Revenues	45.3	31.3
Order intake	37.9	21.1
Order backlog (June 30)	55.1	67.2
EBIT	2.7	-1.3
EBITDA	4.0	-0.2
Result before tax	1.1	-2.2
Result for the period	1.3	-2.1
Operating cash flow	-4.0	-1.4
Shareholders' equity	-62.6	-51.7
Total assets	57.7	57.9

*preliminary, unaudited

SINGULUS TECHNOLOGIES – Profit & Loss Statement

1st Half-Year

in million €	1 st Half-Year 2026*	1 st Half-Year 2025
Gross revenues	45.3	31.3
Net revenues	45.1	31.3
Gross profit (in % of net revenues)	15.1 (33.5 %)	10.0 (31.9 %)
R & D	-3.4	-2.3
Sales & customer service	-4.9	-5.4
GM & A	-3.8	-3.9
Other income/expenses	-0.3	0.3
OPEX	-12.4	-11.3
EBIT (in % of net revenues)	2.7 (6.0 %)	-1.3 (-4.2 %)
Net result	1.3	-2.1
EPS (basic in €)	0.15	-0,24

*preliminary, unaudited

SINGULUS TECHNOLOGIES – Balance Sheet

1st Half-Year

in million €	06/30/2026*	06/30/2025
Available cash	6.8	5.9
Restricted cash	1.6	3.2
Total current receivables and other assets	30.5	22.1
Total inventories	7.5	7.9
Non-current assets	18.3	18.8
Total assets	64.7	57.9
Total current liabilities	76.9	80.6
Total non-current liabilities	50.4	29.0
Total equity	-62.6	-51.7
Equity and liabilities	64.7	57.9

*preliminary, unaudited

SINGULUS TECHNOLOGIES – Cash Flow Development

1st Half-Year

in million €	1 st Half-Year 2026*	1 st Half-Year 2025
Cash flow from operating activities	-4.0	-1.4
Cash flow from investing activities	-1.4	-0.7
Cash flow from financing activities	6.1	-3.4
Total cash flow	0.7	-5.5
Cash and cash equivalents at the beginning of the period	6.2	11.5
Effect of exchange rate changes	-0.1	-0.1
Cash and cash equivalents at the end of the period	6.8	5.9

*preliminary, unaudited

SINGULUS TECHNOLOGIES – Employees

1st Half-Year (Headcount)

	06/30/2026	06/30/2025
SINGULUS TECHNOLOGIES	312	289
Domestic	255	244
Abroad	47	45

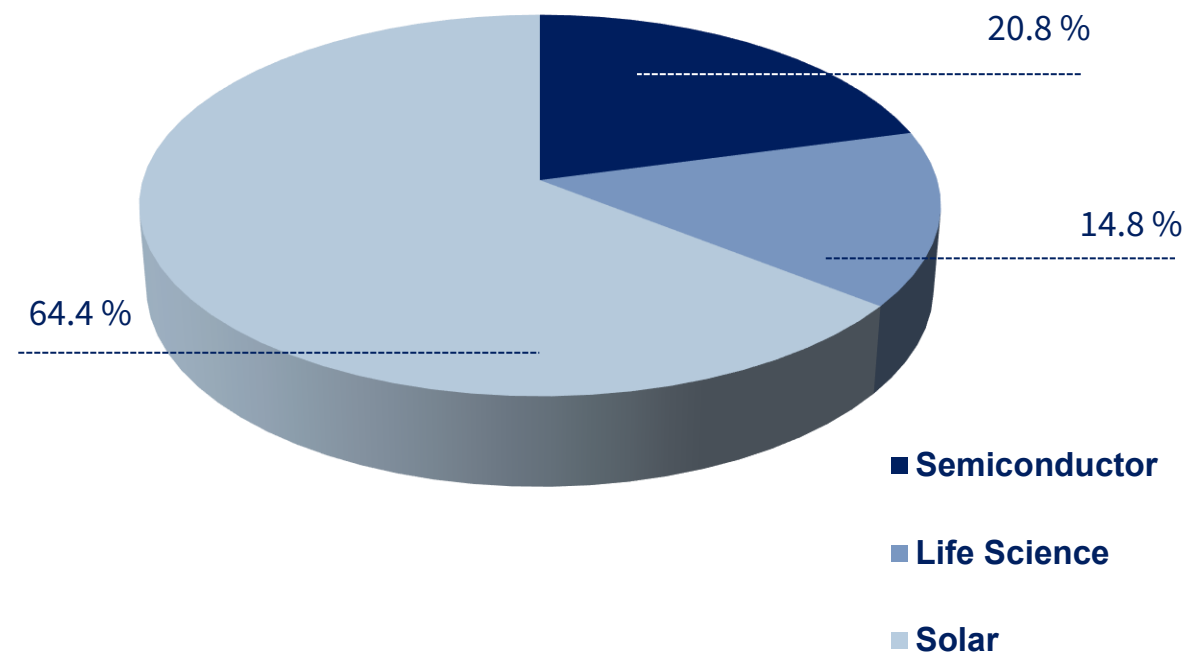


Sales First Half-Year 2026*

By segments

1st Half-Year 2025

Solar	28.6 %
Life Science	32.8 %
Semiconductor	38.6 %

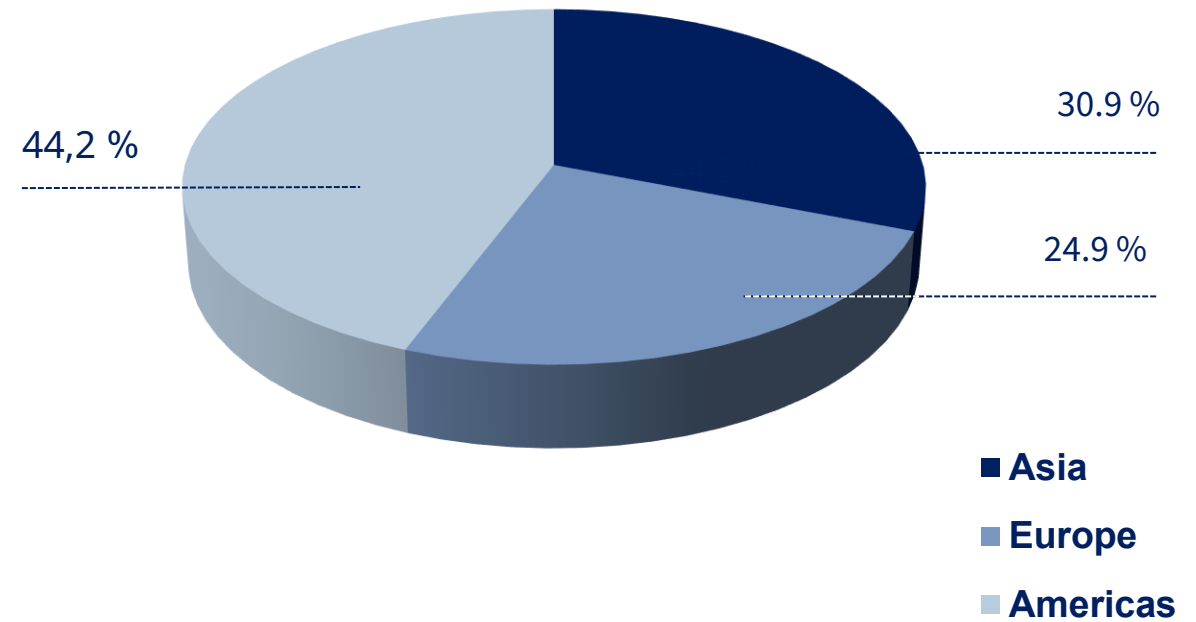


Sales First Half-Year 2026*

By region

1st Half-Year 2025

Asia	45.0 %
Europe	37.4 %
Americas	17.6 %
Africa & Australia	0.0 %



Applications and Technologies

Advanced process technology
opens new business opportunities



Thin-Film Deposition

- Sputtering (PVD) deposition
- PECVD (ICP, μ -Wave)
- Evaporation



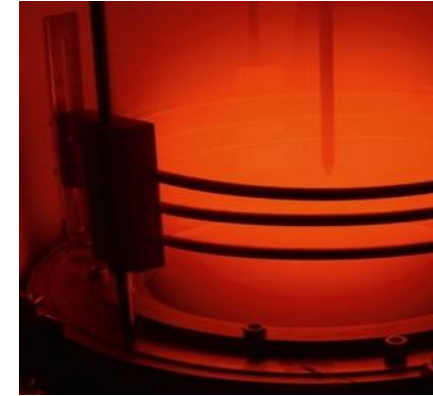
Surface Engineering

- Coating & etching
- Plasma cleaning
- Lacquering
- Embossing



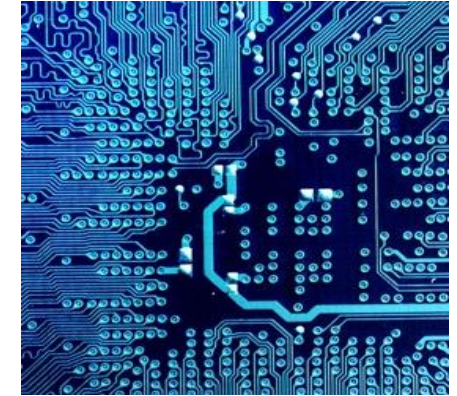
Wet Chemical

- Cleaning / washing
- Etching / polishing
- Texturing
- Coating and developing



Thermal Processing

- Rapid thermal processing
- Sublimation
- Conditioning
- Annealing
- Drying and curing ovens



Vacuum Plugging

- PCB Manufacturing
- Via Filling
 - Manual grinding
 - Additional equipment

Systems for PCP Manufacturing & Substrate Drying



Vacuum Plugging

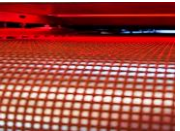


PCB Manufacturing

- Via Filling
- Manual grinding
- Additional equipment



Thermal Processing



Substrate Drying

- Drying
- Curing

TIMARIS

Cluster tool family for semiconductor & magnetic industry

SINGULUS TECHNOLOGIES is a renowned manufacturer of advanced thin-film deposition equipment for magnetic sensors (TMR, GMR, AMR), integrated inductors, MRAM, μ LED, advanced packaging (RDL/UBM), interconnects, and other semiconductor applications.



Solutions for HJT Cell Production

Single equipment &
turn-key solutions



Turn-Key Solution for HJT Cell Production Lines

Equipment placement and process flow

Wafer-Feed-In
and Inspection

SILEX Wet Chemical
Texturing & Cleaning

GENERIS PECVD
Passivation

GENERIS PVD
ITO (Front/Back)

Metallization
Printing & Curing

Test and
Sorting



Wet Chemical Batch System

for texturing and cleaning of HJT solar cells



Horizontal Inline PECVD System

for the deposition of passivation layers
(with or without nano-crystalline)



Horizontal Inline PVD System

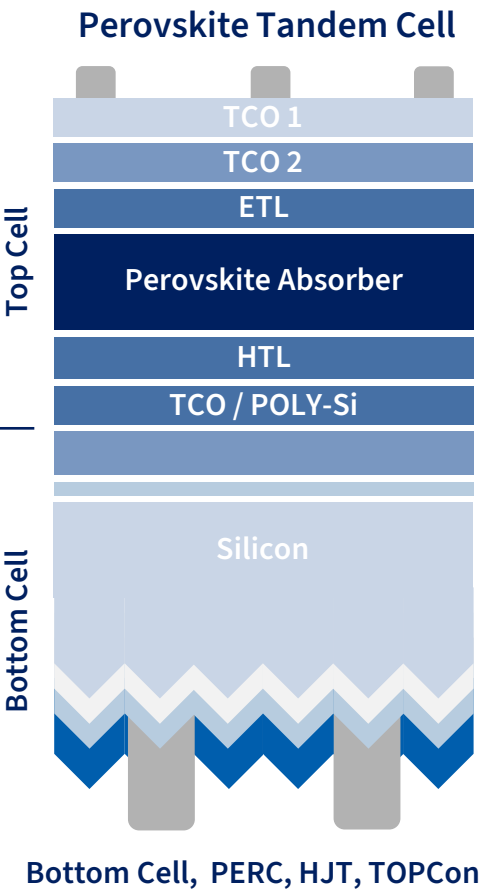
for double sided ITO deposition on HJT solar cells

SINGULUS TECHNOLOGIES in-house wet chemical processes, PECVD passivation, and PVD ITO deposition are the key equipment needed to achieve the guaranteed efficiency level.

Singulus Technologies is Leading in Perovskite Production Technology

Performance increase

20–40% plus with the same surface area (e.g., from 400 W to 500–550 W per module)



New Functions	Processes
TCO	Soft sputtering
Buffer layer	Probably avoidable (soft sputtered TCO)
ETL	Evaporation
Absorber	Evaporation or hybrid process
HTL	Sputtering (evaporation)
Interface layers between silicon and perovskite cell	Hybrid sputtering and self assembled monolayer
Optimized surface structure of silicon bottom cell	Wet chemical processes, batch or inline



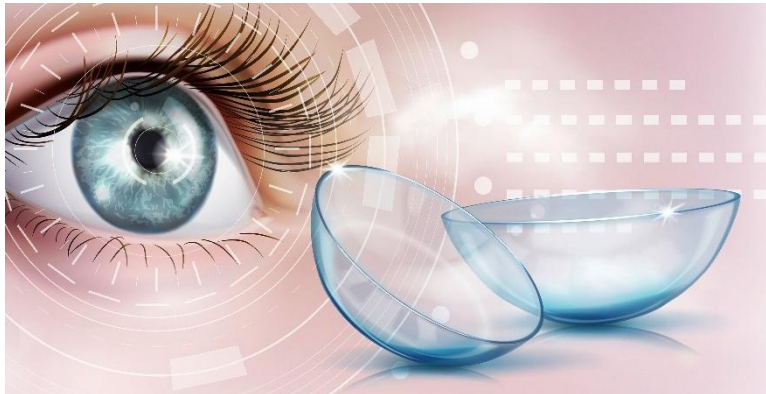
EVARIS 1600 – Examples

Evaporation EVARIS top-down example installation
(in operation)



MEDLINE Wet Chemical System

For contact lenses



SINGULUS TECHNOLOGIES Provides High-Volume Production System

Eco-friendly, recyclable coatings of 3D parts

- Embedded coatings
- Semi-transparent coatings
- Hard coatings
- Barrier coatings
- Antibacterial coatings
- Flexible coatings

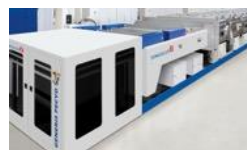


Product Portfolio: Substantial & Innovative Technologies

Plasma-Enhanced CVD (PECVD)



R&D/Pilot PECVD
Development Application



GENERIS PECVD
Inline PECVD System
Horizontal Transport
(Multi Substrate Application)

Evaporation/ Sublimation and RTP



EVARIS
Inline Evaporation System
Horizontal Transport
(Perovskite Application)



SELENIUS
Inline Evaporation System
Horizontal Transport
(Thin-film Application)



CSS
Inline Close Spaced
Sublimation
Horizontal Transport
(Thin-film Application)



CISARIS
Selenization/Sulphurization
with RTP Support
(Thin-film Application)

PVD Sputtering



GENERIS PVD
Inline Sputtering System
Horizontal Transport
(Wafer Application)



HISTARIS PVD
Inline Sputtering System
Horizontal Transport
(Glass Application)



VISTARIS PVD
Inline Sputtering System
with Vertical Substrate
Transport



Cluster PVD
PVD System for
R&D, Pilot & High Volume
(up to 300 mm Wafer)



TIMARIS STM
Modular Vacuum Sputtering
System for Various
Applications



R&D/Pilot PVD
Inline Sputtering System
R&D and Pilot
(Development Applications)

Wet Chemical Treatment



SILEX III
Wet Chemical System
Batch System
(Multi Platform e.g. Solar Cell)



MEDLINE
Wet Chemical System
Batch System
(MedTech e.g. Contact Lense)



IMPEDIO
Wet Chemical System
Batch System
(Poly-Silicon/Chunk, Wafering)

Drying and Curing Ovens



PD
Paternoster Dryer



LD
Lift Dryer



MT
Magazine Dryer

Vacuum Plugging



VCP
Vertical Via Filling
Double-sided Filling



VHF
Horizontal Via Filling
One Side Filling



SV
Wet Grinding
Machine

Surface Refinement

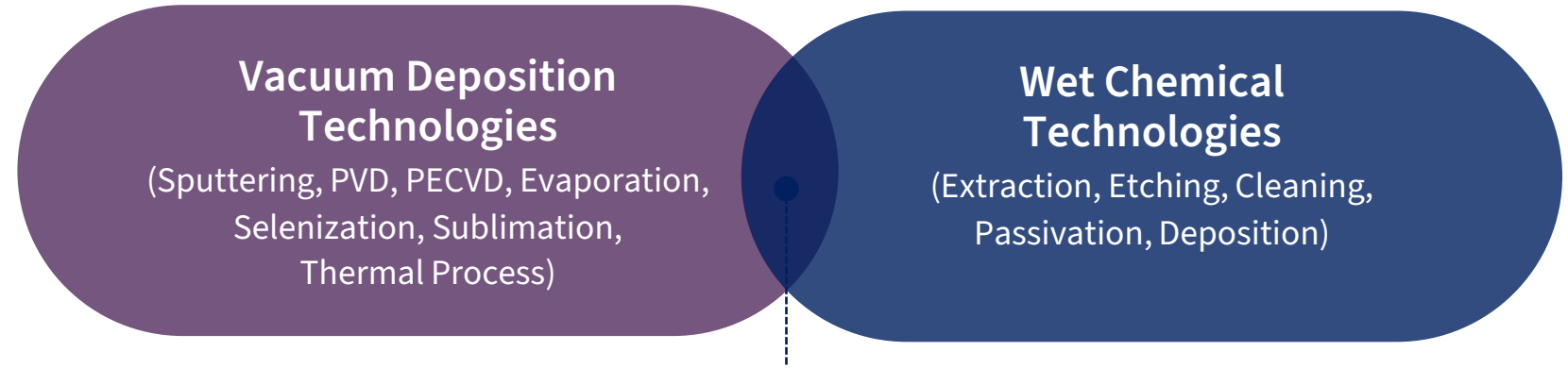


POLYCOATER
Inline 3D Sputter System
Horizontal Transport
(3D Part Refinement)



DECOLINE II
Inline PVD &
Lacquering System
Combined Production Line
(3D Part Refinement)

Strategic Business Development



- Strengthening SINGULUS TECHNOLOGIES' unique, sole-standing position as the only equipment company offering both Vacuum Deposition and Wet Chemical process solutions
- Identify business opportunities that utilize our competitive strength
- Enhance the SINGULUS TECHNOLOGIES platform with existing Technologies to enter new markets
- Build further competencies and capabilities beyond Germany

Important Unique Selling Point

Unlock Emerging Business & Customer Opportunities

- Electrolysis and carbon capture systems components
- Solid-state battery components
- Medical applications
- Semiconductor applications, especially for sensors
- Solar turnkey
- Solar Perovskite

Outlook 2026

Sales expected of approx. € 83.0 million in 2026

EBIT forecast:
Positive in the low single-digit million € range

Main driver

Sales growth

- Strategic collaboration with a globally leading technology company in the Solar segment

EBIT

- Solar segment
- Semiconductor segment

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Forward-looking Statements

This presentation contains forward-looking statements based on current expectations, assumptions and forecasts of the executive board and on currently available information. Various known and unknown risks, unpredictable developments, changes in the economic and political environment and other presently not yet identifiable effects could result in the fact that the actual future results, financial situation or the outlook for the company differ from the estimates given here. SINGULUS TECHNOLOGIES is not obligated to update the forward-looking statements made in this presentation unless there is a legal obligation.

