



ASMPT Introduction Advanced Packaging ALSI

Patrick Huberts - December 10, 2025
Head of Business & Marketing ALSI

COMPANY OVERVIEW

Global high-tech company with solid fundamentals and strong growth prospects.

Number of employees
~ 10,600

As at end Dec 2024
Excludes flex & outsourced staff

Present in more than
30 Countries

FY 2024 revenue
US\$1,695M

~15
R&D Centres Across
Asia, Europe &
America

~15
Significant
Manufacturing
Locations Worldwide

>2,000
Patents on key
leading-edge
technologies



Company Overview



ASMPT Semiconductor Solutions

Die Bonders, Hybrid Bonders, Wire Bonders, Flip Chip Bonders, Thermal Compression Bonders, LED Packaging Equipment, Encapsulation, Test Handlers, CMOS Image Sensor Equipment, Laser Singulation, Photonics, AIoT (Artificial Intelligence of Things)

Advanced Packaging and Mainstream Business Units

ASMPT SMT Solutions

SIPLACE Placement Solutions, DEK Printing Solutions & Process Support Products, SMT Process Solutions, WORKS Shopfloor Management Software Suite, Critical Manufacturing MES (Manufacturing Execution System), Complete Smart Line and Factory Solutions & Services



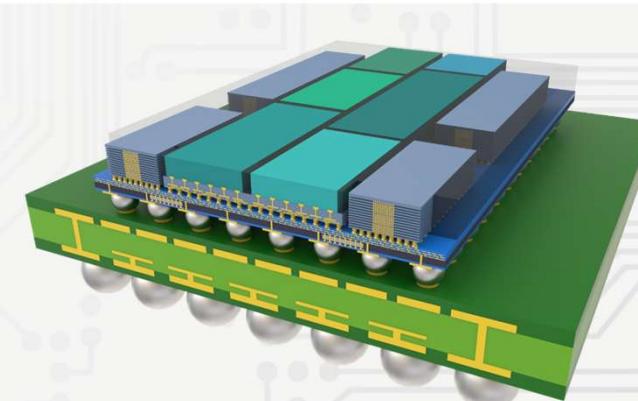
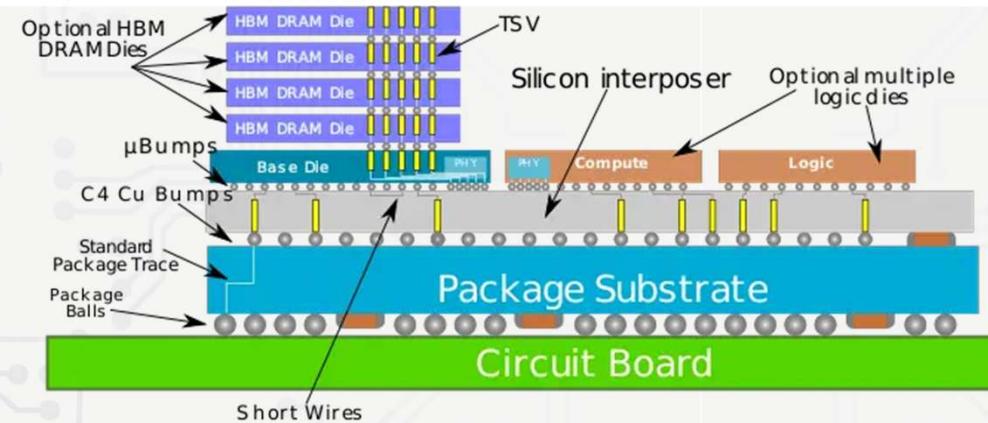
1975 1989 1990 2002 2005 2011 2013 2014 2018 2020 2021 2022 2023

Founded as the Asian marketing arm of its Netherlands-based parent ASM International N.V.	ASM Pacific Technology Ltd formally listed on the Hong Kong Stock Exchange	Company begins operating in Singapore	ASMPT becomes #1 Semiconductor Assembly and Packaging Equipment Manufacturer in the world	ASMPT achieves a market capitalisation exceeding \$2 billion USD	Singapore becomes the Global Headquarters ASMPT SIPLACE Team from Siemens AG, Germany (SMT Placement)	ASMPT DEK, United Kingdom (SMT Printing)	ASMPT Advanced Laser Separation International B.V. (ALSI), Netherlands (Laser Dicing / Grooving)	ASMPT NEXX, USA (Deposition) ASMPT AMICRA, Germany (Die Bonding) ASMPT Critical Manufacturing, Portugal (MES)	ASMPT SKT Max, PRC (MES)	ASMPT Semiconductor Wet Advanced Technology, PRC (Deposition)	ASMPT Automation Engineering Incorporated (AEI), USA (Automotive CIS)	Established AoXinMing 奥芯明, PRC ASMPT BOREY, PRC (SMT Placement)
												Hybrid Bonding
								TCB		NEXX, Amicra		
							ALSI					

Advanced Packaging

ASMPT Comprehensive suite of solutions to capture advanced packaging opportunities

Current & Emerging Applications

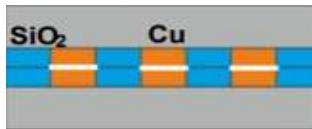


Physical Vapor Deposition	Electro-Chemical Deposition (Wafer/ Panel Level Plating)	Laser Singulation	Wafer / Panel Level Fan-out	Photonics	Thermo Compression Bonding	Hybrid Bonding	SMT SiP Placement*		
 APOLLO	 STRATUS	 LASER 1205	 NUCLEUS	 NANO	 NOVA	 Photon Pro	 FIREBIRD	 LithoBolt	 SIPPLACE TX micron

Advanced Packaging Solutions



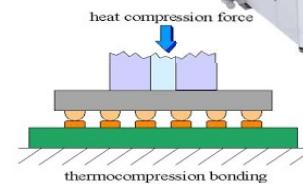
LithoBolt



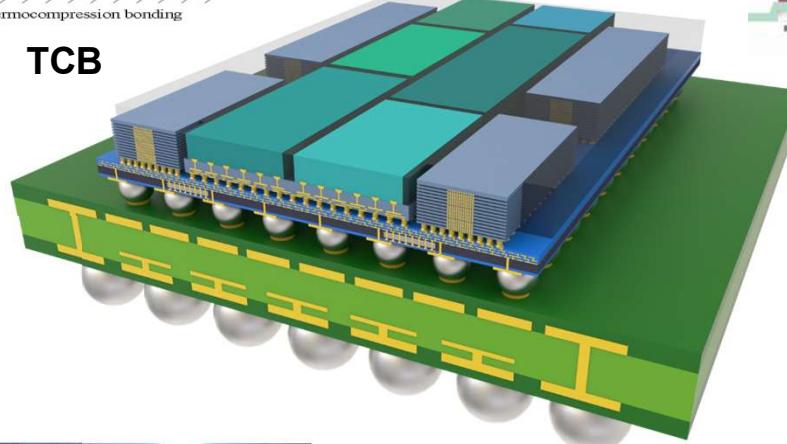
Hybrid Bonding Cu to Cu



FIREBIRD



TCB



LASER1205



LASER1206



Laser Dicing & Grooving

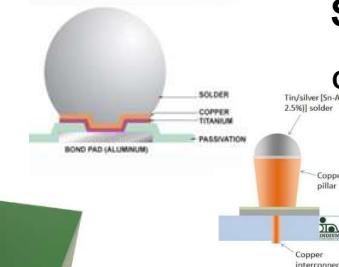
ASMPT enabling the digital world



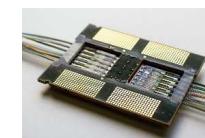
Apollo PVD
Physical
Vapor
Deposition



Stratus ECD
Electro
Chemical
Deposition



Co packaged Optics



Si Photonics



Nova

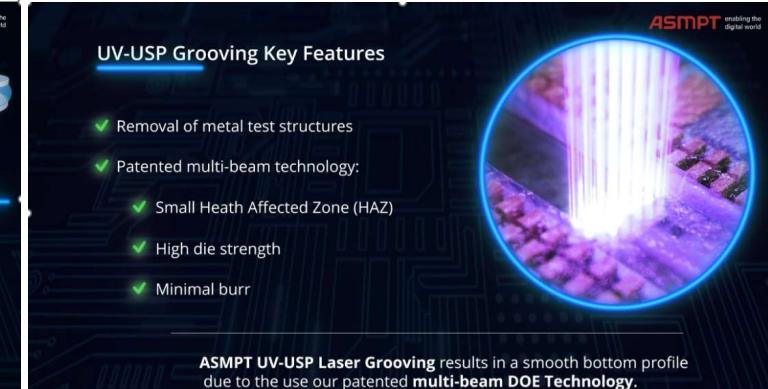
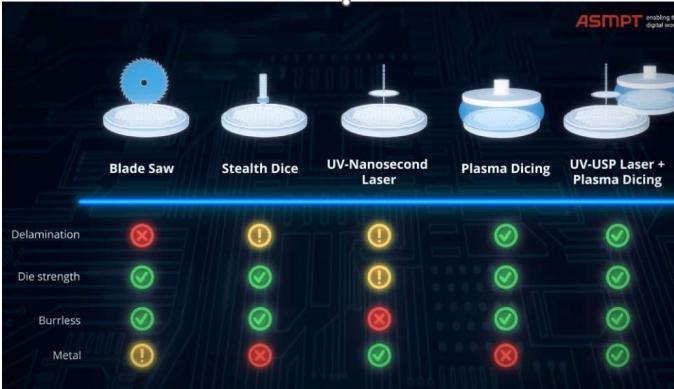
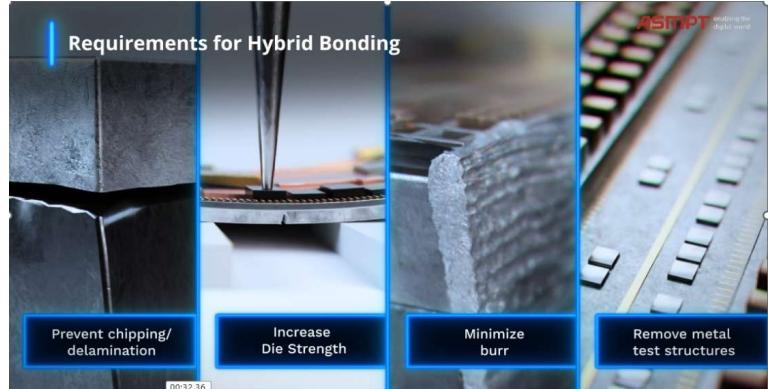
Nano

ALSI: Laser Singulation Solutions

ASMPT ALSI is the pioneer of **multi-beam laser dicing & grooving**. With our **advanced laser singulation technology** it's possible to dice or groove wafers with low power per beam, minimizing the thermal impact, resulting in high quality and high productivity.



Emerging: USP Laser Grooving + plasma Dicing enabling Hybrid Bonding



ASMPT UV-USP Laser Grooving results in a smooth bottom profile due to the use of our patented **multi-beam DOE Technology**.



Thank You!

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