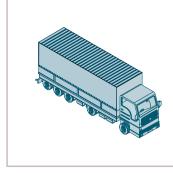
Operational Excellence at Entegris A Premier Advanced Materials Company

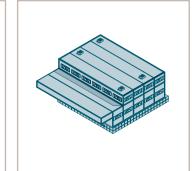
For more than 50 years, Entegris has been researching and developing novel ways of supporting complex, high-volume manufacturing. We have expanded our capabilities, invested in innovation, and driven operational excellence into all aspects of our company to help our customers meet their objectives.



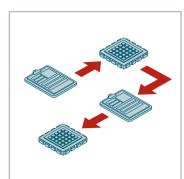
SAFE AND ROBUST **SUPPLY CHAIN**



PREDICTABLE AND STABLE QUALITY



EFFICIENT MANUFACTURING

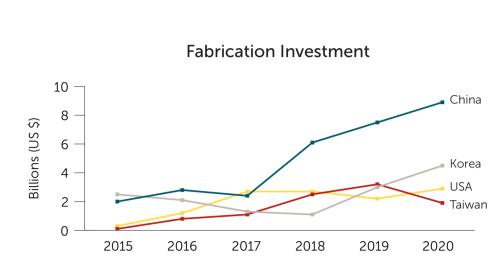


SPEED OF **NEW PRODUCTS**

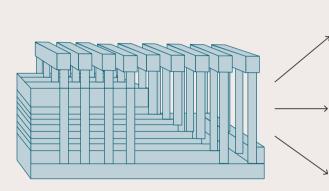
SUPPORTING THE "CHINA MANDATE"

According to SEMI, the China semiconductor fabrication industry has been projected to double its fab capacity since 2015, in support of its Made In China 2025 strategy. Entegris has been there to help.





FOCUS: MEMORY DEVICE FABRICATION



Need for material purity

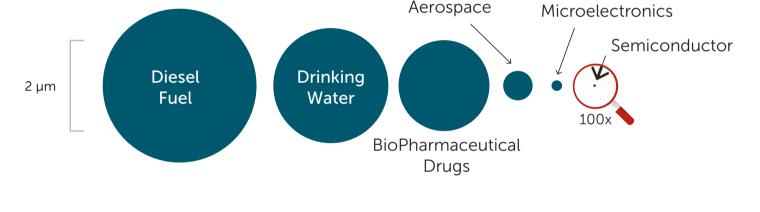
Local, high-quality supply chain

High volume specialty gases and advanced chemicals

MATERIAL PURITY AND PREVENTING DEFECTS Material purity has a much greater impact on yield and performance in the

world of integrated circuits than in other device manufacturing industries, which have far higher defect tolerances.

SIZE OF KILLER DEFECT BY INDUSTRY



To prevent destructive and costly accidents and environmental damage, suppliers are held to stringent regulations. Through supplier qualification, Entegris supports

SAFETY AND ENVIRONMENTAL STANDARDS

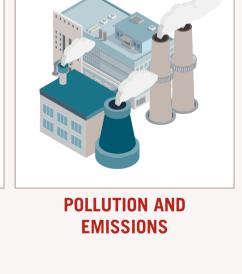
the highest safety standards with propietary technologies such as SDS® cylinders, gas cabinets, and delivery systems.





EMPOWERED LOCAL SUPPLY CHAIN

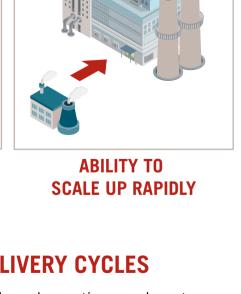
Semiconductor fab suppliers must provide reliable and extremely high-purity materials. Key qualities for suppliers:





Source





associated with import and customs clearance. As a result, customers and suppliers have a reduced need to stockpile materials, leading to less inventory on hand and

volume materials. Local

lower potential for negative environmental impacts—particulary important for high







www.entegris.com/operational-excellence



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