

# Imaging Premium Foundry

## Expertise provider to high-end technology



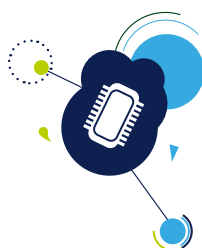
## Access advanced CMOS image sensor technologies through a foundry business model

ST offers custom design services with worldwide design centers, dedicated process engineers in advanced silicon fabrication plants and world-class backend manufacturing resources. Our continuously expanding portfolio of proprietary technologies enables specialized and differentiated imaging solutions leveraging our large expertise around optical modules and sensors.

### FOUNDRY BUSINESS MODEL

With ST's strategic "more than foundry" approach, we make sure that you have best opportunities for creating unique solutions for your customers, supporting low- to high-volume projects.

Our significant investments in our R&D teams ensure you have access to expert knowledge at pixel, techno, optic, design, industrialization, and system levels.



### KEY BENEFITS

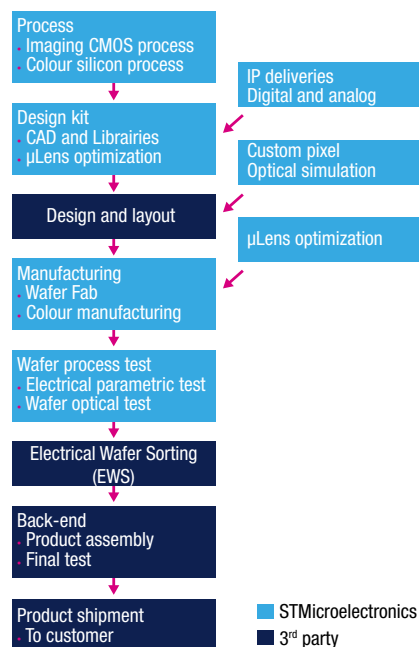
- Extensive foundry technology portfolio
  - 8" and 12" wafer fabs
  - Specialized silicon technology bricks
  - In-house  $\mu$ Lens, color filter, 1D and 2D stitching
  - Process and yield tuning and optimization
- Premium wafer services and expertise
  - Pixel architecture and design, quality and failure analysis
  - Small and large, rolling and global shutter sensors
  - SPAD
  - Large range of analog and digital IPs
  - ISP, pixel, algorithmic and optics expertise

ST offers premium services to help you build an efficient ecosystem with our existing or new partners, by sustaining a secured development and accompanying you throughout the product lifecycle with direct access to imaging experts.

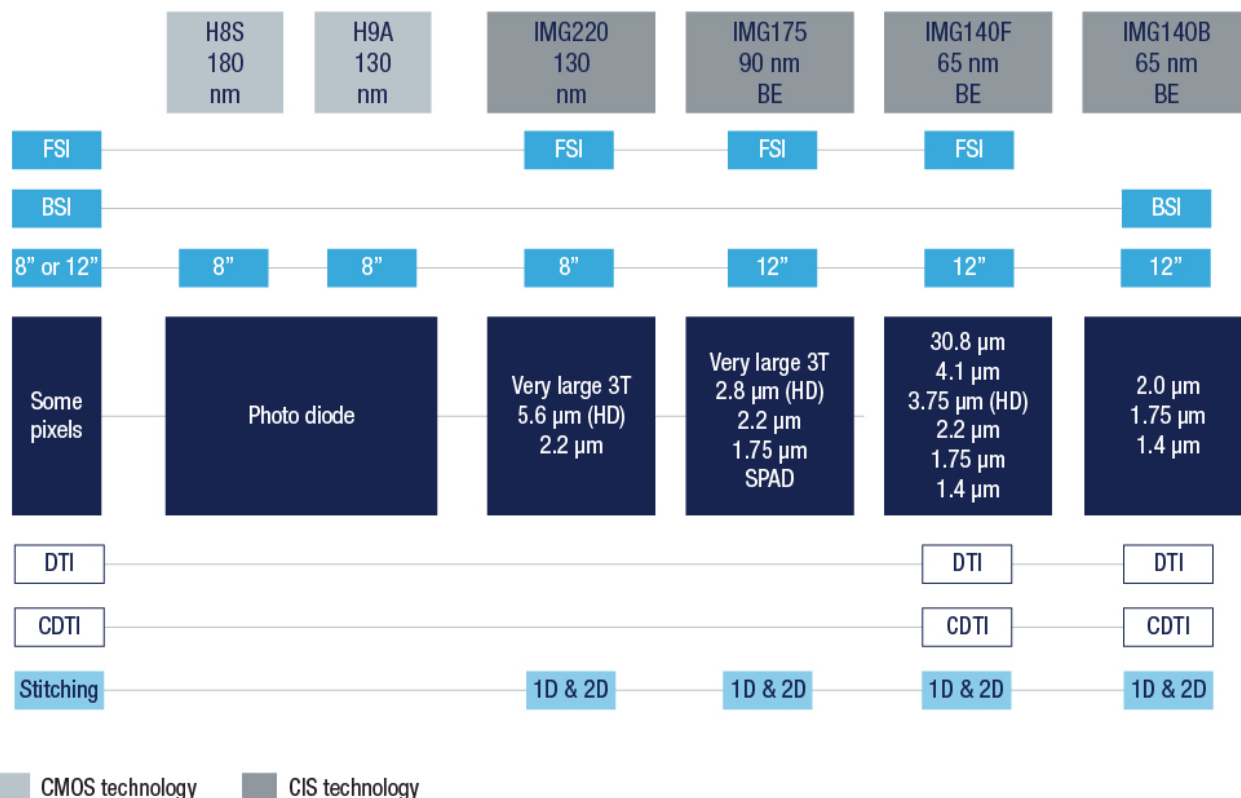
ST's foundries have an excellent track record in the manufacture of specialized imaging ICs and modules, resulting in high-quality products for end users.

Regular multi-project wafer (MPW) shuttles also help lower development costs and minimize the risk involved with a costly dedicated maskset. Our MPW Shuttle Program lets you tape-out your designs for rapid prototyping and shares the expense of masks and wafers with other shuttle program participants.

Using our MPW program, you can design and verify a wide range of intellectual property, pre-production or prototype designs before committing to a full production mask set, all using our standard manufacturing process technologies. Our MPW program offers maximum flexibility while minimizing overall efforts.



## TECHNOLOGY PORTFOLIO



For more information on our imaging premium foundry offer, visit us at [www.st.com/imaging-foundry](http://www.st.com/imaging-foundry) or contact your local STMicroelectronics sales representative.

