

Q2 2019 Report

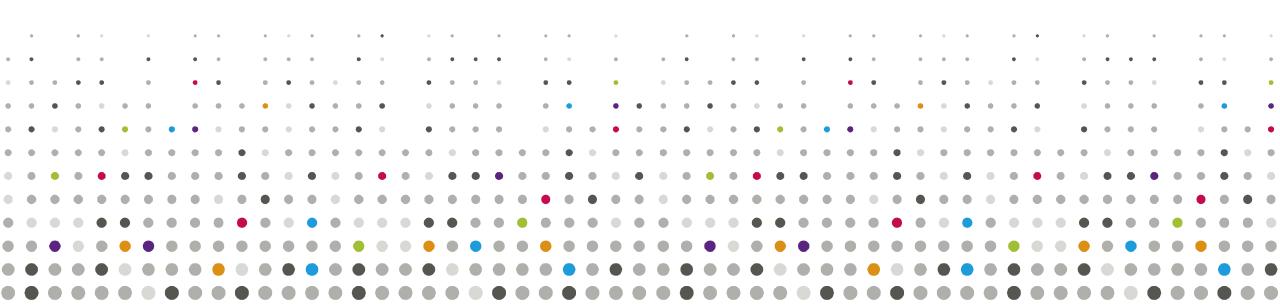
July 17, 2019

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MYCRONIC



Q2 2019 – Positive development in both business areas

Mycronic in brief



years of experience

>1,300 employees in ten countries

Mycronic is represented

The power of innovation is proven by

> >500 patents

>12,000 production systems at more than 3,000

>99%

of sales are from outside

Full year 2018 numbers



Business area Assembly Solutions

Broad product offering for efficient electronics manufacturing, including aftermarket

Surface Mount Technology

Inspection

Dispensing

Assembly Automation









- Jet printing & dispensing
- Pick-and-place assembly equipment
- Component storage systems
- Advanced software solutions

- Solder Paste Inspection (SPI)
- Automated Optical Inspection (AOI)
- Advanced software suite (Sigma)
- Broad range of dispensing and coating systems

- Camera module assembly equipment
- Ultra-high precision die bonding equipment



Business area Pattern Generators

Indispensable for the display industry



Display

Prexision mask writer & metrology series
Prexision-8/-80/-800/-10, Prexision Lite 8, Prexision MMS

Multi-purpose

FPS series FPS-6100, FPS-8100

Aftermarket products

Service contracts & value adding products Display, Multi-purpose and Semicon



Record quarter net sales



Gross margin 59%

EBIT margin 28%

Net sales

1,120

MSEK
+27%

EBIT increase 34%

Q2 2019 – Positive development in both business areas

- Order intake increased 4% to 901 MSEK
 - Driven by positive development in Assembly Solutions
- Net sales up 27% to 1,120 MSEK
 - Positive development in Assembly Solutions
 - Net sales growth 21%, of which organic growth 4%
- Pattern Generators present yet another good quarter
 - Net sales increased 34%
 - Delivery of three systems
- EBIT increase of 34% to 317 MSEK
 - EBIT margin 28,3%
 - Assembly Solutions improves EBIT margin to 2,9% (from -0,7%)
- Order for two multi-purpose mask writers

See Appendix on page 21 for market details





Product launch in the quarter

Launch of Prexision Lite 8 mask writer at the Photomask Japan symposium on April 16

- Aimed at the low to mid end display market
- An attractive option for customers with a need to modernize their production in a cost efficient way with limited need for additional high-end capability
- Despite the clear trend towards more advanced photomasks for displays, the market for less complex photomasks will remain a significant and important segment
- The launch of Prexision Lite 8 broadens the offer of mask writers in order to support the different business strategies of our customers





Key events after the end of Q2 2019

Order for a Prexision-10 mask writer on July 15

- From an existing customer in Asia.
- Limited to generation 8 photomask size, can later be upgraded to a full scale Prexision-10 production system.
- Order value 30-35 MUSD.



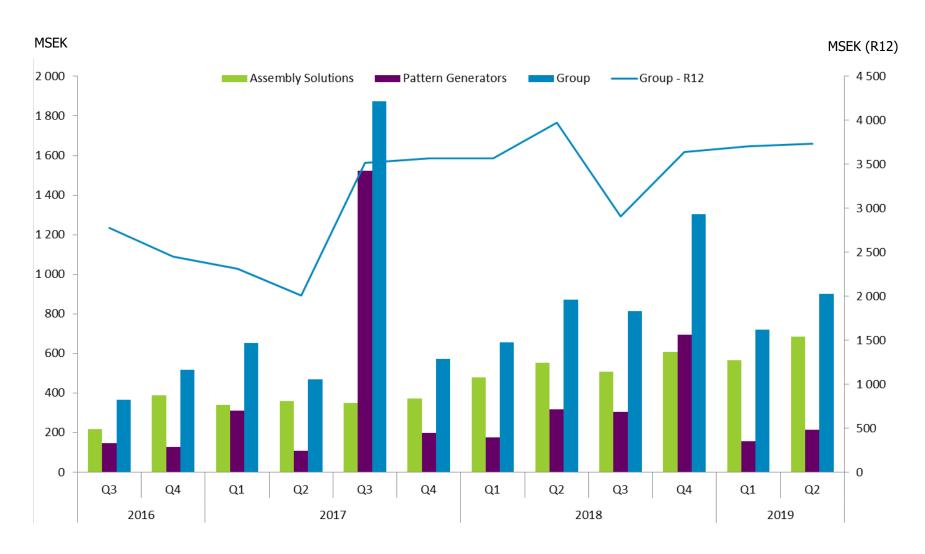


Outlook 2019

The Board maintains its assessment that consolidated net sales for 2019 will be at a level of SEK 4 billion, excluding any acquisitions made in 2019



Growth in order intake driven by Assembly Solutions

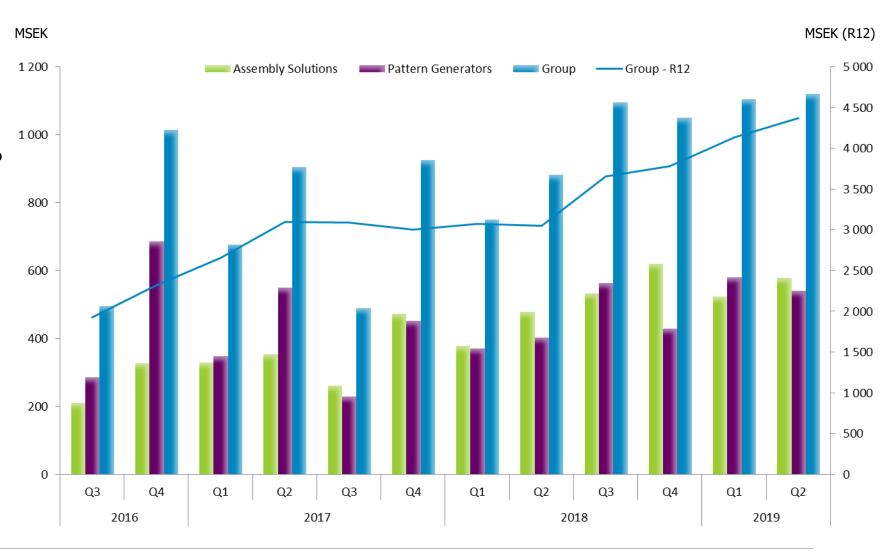


- Order intake growth of 4%
- Assembly Solutions increased 24% to 685 MSEK
 - Growth of 7%, excluding acquisitions
- Pattern Generators received order for two FPS6100 mask writers
- Backlog at 1,301 (1,935) MSEK
 - Assembly Solutions at 654 (545) MSEK
 - Pattern Generators at 647 (1,390) MSEK



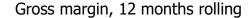
Strong net sales development

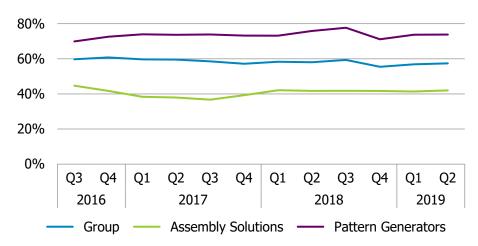
- Net sales increased 27% to 1,120 (882) MSEK
 - Assembly Solutions increased 21% to 579 (478) MSEK
 - Pattern Generators increased 34% to 541 (404) MSEK
 - Continuously improving R12 net sales since Q2 2018
- Three mask writers delivered compared to two mask writers in Q2 2018
- Positive currency effects on net sales of 4% (1%)





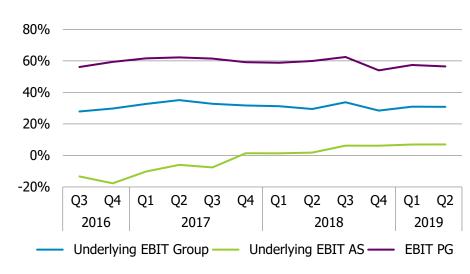
Stable 12 months rolling margins





- Gross margin at 58.7% (56.6%)
 - Assembly Solutions improved to 43.2% (40.7%)
 - Pattern Generators at healthy level of 75.3% (75.4%)

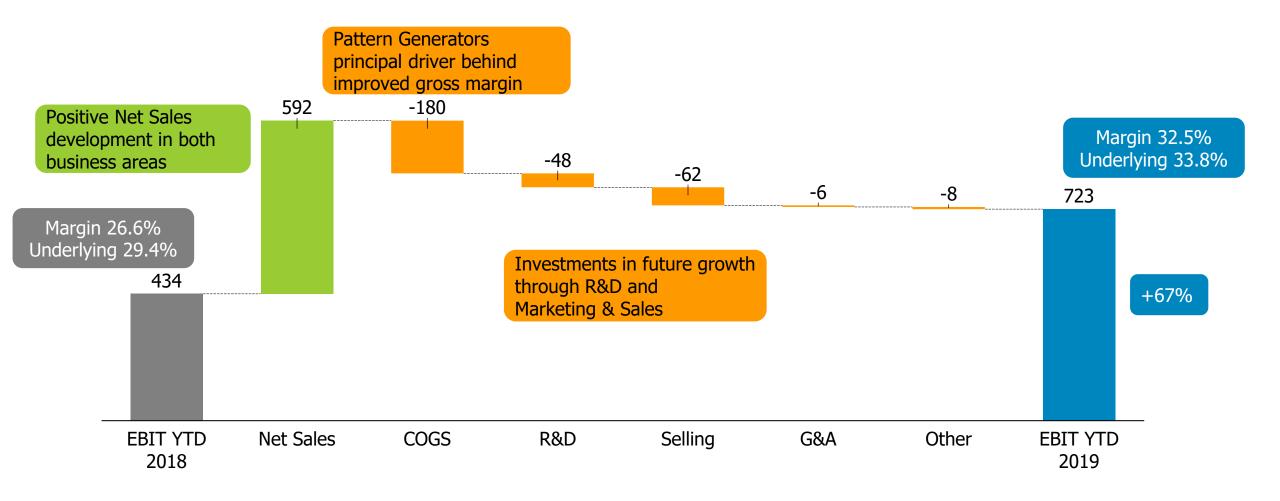
EBIT margin, 12 months rolling



- EBIT margin at 28.3% (26.9%)
 - Assembly Solutions at 2.9% (-0.7%), an improvement of 3.6 pp, driven by volume growth
 - Pattern Generators at 55.8% (59.9%)
- Underlying EBIT amounted to 332 (265) MSEK with a margin of 29.7% (30.0%)

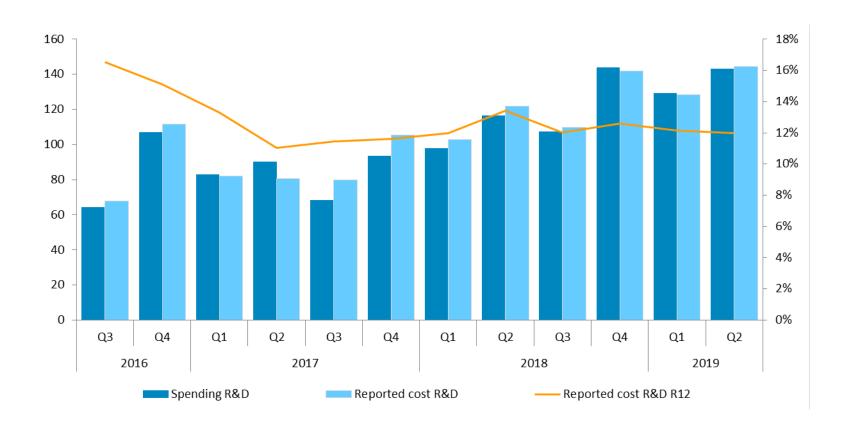


Strong EBIT growth and improved margin





R&D – Investments in growth



- R&D spending increased 27 MSEK from Q2 2018
 - Planned increase mainly driven by Pattern Generators
- Product development investments in line with growth strategy
- Rolling R&D spending-to-sales ratio at 11-12% level since Q2 2017



Summary by business area, Q2 2019

	Q2 2019	Q2 2018
Assembly Solutions	685	554
Pattern Generators	216	317
Order intake, MSEK	901	870
Assembly Solutions	654	545
Pattern Generators	647	1,390
Order backlog, MSEK	1,301	1,935
Assembly Solutions	579	478
Pattern Generators	541	404
Net sales, MSEK	1,120	882
Assembly Solutions	43%	41%
Pattern Generators	75%	75%
Gross margin, %	59%	57%
Assembly Solutions	3%	-1%
Underlying EBIT margin AS	6%	5%
Pattern Generators	56%	60%
EBIT margin, %	28%	27%
Underlying EBIT margin Group	30%	30%

Increase in order intake driven by positive development within Assembly Solutions

 Pattern Generators backlog consists of seven systems, with three planned deliveries in 2019

Record second quarter net sales

Assembly Solution improves EBIT margin and moves into positive Q2 numbers



Cash flow YTD

MSEK Cash flow from operations	H1 2019 679	H1 2018 362
Change in working capital	-454	-400
Cash flow from operations after changes in working capital	224	-38
Investments in development	-10	0
Other investments, net	-34	-382
Cash flow before financing activities	180	-419
Financing	-321	-104
Cash flow	-141	-523
Cash at end of period	696	306

- Strong cash flow from operations
- Working capital change affected by decrease of non-interest bearing short term liabilities as well as increase in inventories and trade receivables related to Mycronic's growth

Includes 294 MSEK in dividend to shareholders







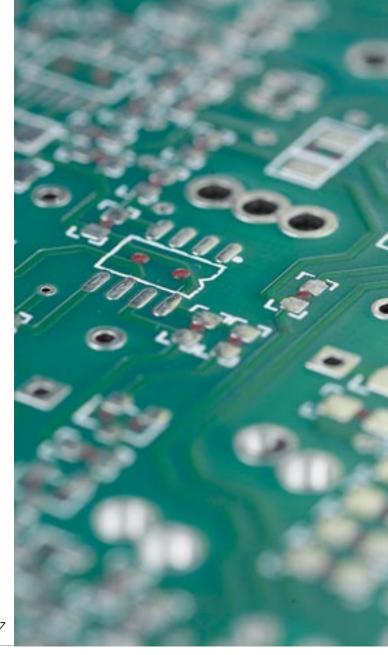
APPENDIX

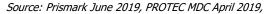
Q2 2019 Market update

Outcome 2018

Market summary and updates

- Global electronics at +5.5% (from +5.8%) to 2,125 BnUSD
- Semiconductors +13.7% and reached 469 BnUSD
- SMT assembly equipment +17% to 3,070 MUSD
- Dispensing equipment +1.3% to 780 MUSD
- Camera modules +27% and 165 million units
- Die bonding equipment +1.6% to 934 MUSD
- Display market actuals at -9% to 113 BnUSD
- Display photomasks +12% (from +8%) to 814 MUSD





IHS Markit, Technology Group, Display Long-Term Demand Forecast Tracker, May 7, 2019 and IHS Markit, Technology Group, FPD large-area photomask research, June 7 2019. Information is not an endorsement of Mycronic. Any reliance on these results is at the third party's own risk. Visit www.technology.ihs.com for more details



Forecasts 2019

Market summary and updates

- Global electronics industry growth forecast +0.1% (from +0.5%) and 2,127 BnUSD
 - Long term forecast 2018 to 2023 indicates a CAGR of +3.2%
- Semiconductor industry growth forecast -10.4% (from -4.0%) and 420 BnUSD
 - Forecast 2019 to 2023 indicates a CAGR of +6.0% (from +4.7%)
- Camera modules forecast +15% to 190 million units
 - +14% CAGR 2018 to 2023 to 315 million units
- Displays +1.3% to 115 BnUSD
- Display photomasks +9% (from +18%, mainly due to stronger 2018 actuals and lower prices for G10 photomasks) to 886 MUSD
- SMT market: not available
- Dispensing: not available

Source: Prismark June 2019, PROTEC MDC April 2019,

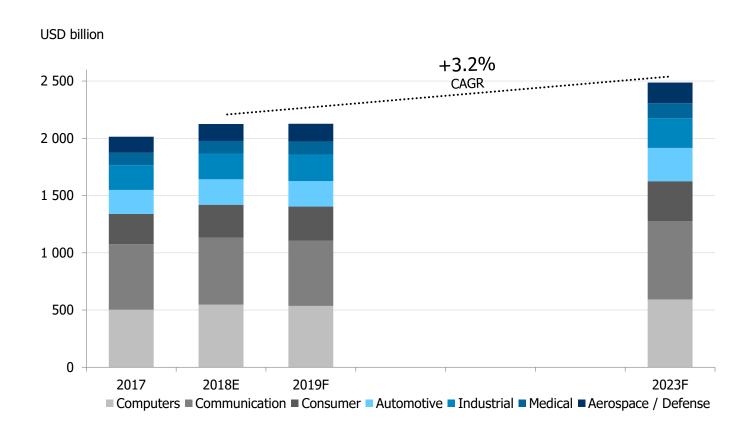
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Electronics industry systems

Solid long term growth



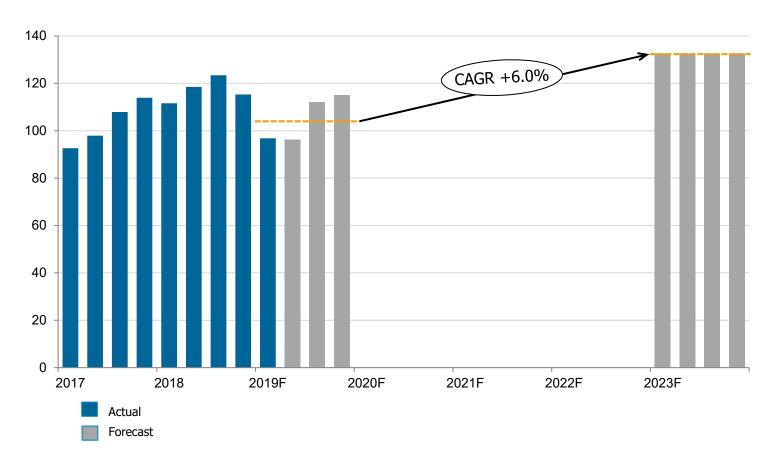
- +5.5% in 2018 to 2,125 BnUSD
- Expected growth of +0.1% in 2019 to 2,127 BnUSD with strongest development in segments
 - Aerospace +5%
 - Industrial +3%
 - Consumer +3%
 - Medical +3%
- +3.2% CAGR expected for 2018-2023

Source: Prismark, June 2019

Semiconductors

Quarterly development

Bn USD



- +13.7% in 2018 to 469 BnUSD
- -10.4% decline expected in 2019 to 420 BnUSD
- 2019 to 2023 CAGR forecast at +6.0% growth

Source: Prismark, June 2019

Assembly Solutions

Market update

SMT equipment*

- 2018 saw a positive development for assembly equipment with a growth of 17% compared to full year 2017.
- 2019 Q1 negative development of -8% compared to 2018 Q1, mainly driven by Europe, Japan and China.

Dispensing*

- 2018 market estimated at 780 MUSD.
- Mycronic within the top 4 largest suppliers of dispensing equipment addressing the major part of the total market

Assembly automation

- Camera modules for ADAS is growing fast
 - Grew 27% in 2018 to 165 million units
 - +14% CAGR 2018-2023 to reach 315 million units
 - Ongoing transition in China to actively aligned camera modules driven by more advanced automotive applications

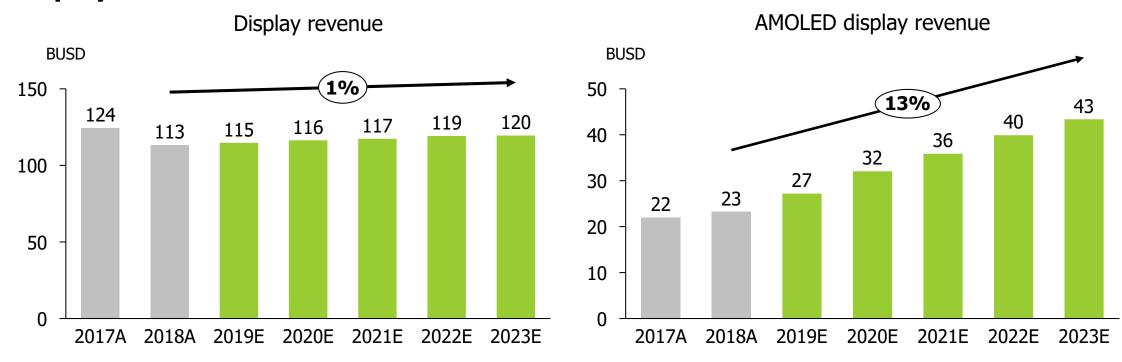
Source: PROTEC MDC April 2019, Prismark April and June 2019, Mycronic



^{*} No external forecast provided for 2019 and onwards

Pattern Generators

Display market



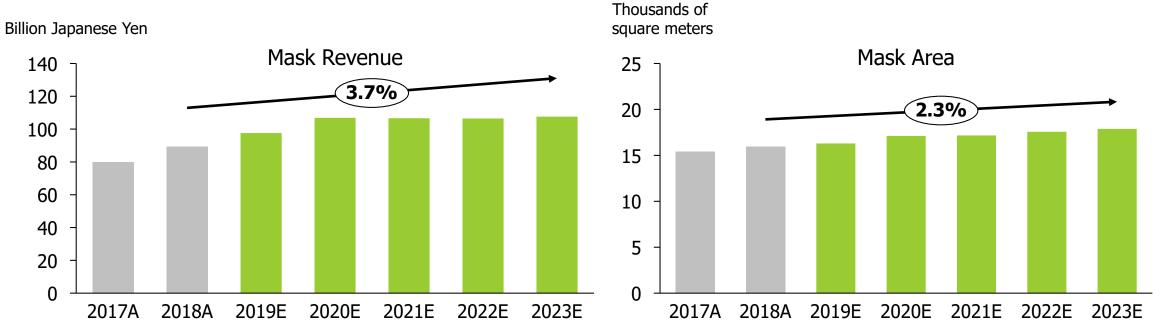
- Display market showed negative growth of 9% in 2018 but forecast to turn to positive growth in 2019
 - More stable supply/demand forecast 2019 compared to 2018 together with a trend towards more advanced displays
- Strong growth in AMOLED the coming years
 - Technology shift ongoing from LCD to AMOLED for mobile displays but now also in TV segment
 - AMOLED ratio goes from 20% of total display revenue 2018 to 36% of total display revenue 2023

Source: IHS Markit, Technology Group, Display Long-Term Demand Forecast Tracker, May 7, 2019. Information is not an endorsement of Mycronic. Any reliance on these results is at the third party's own risk. Visit www.technology.ihs.com for more details



Pattern Generators

Positive photomask market



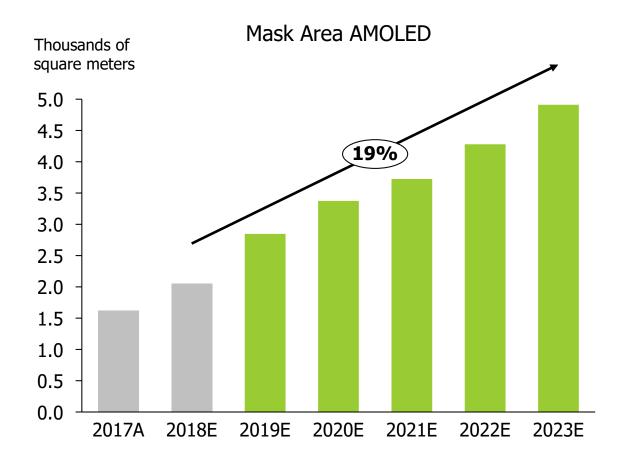
- Display mask market forecast positive
 - +9% revenue growth 2019, increased share of complex AMOLED masks and increased share of G10 masks drives strong revenue growth
 - 2020-2023 the market is forecast to stabilize on a high level, positive effects from area growth and transition to more advanced AMOLED masks are offset by expected lower prices om G10 masks
- Long term area growth forecast remains positive
 - Strongest growth seen in segment of complex and high value masks due to AMOLED transition and transition to displays with higher quality

Source: IHS Markit, Technology Group, FPD large-area photomask research, June 7 2019. Information is not an endorsement of Mycronic. Any reliance on these results is at the third party's own risk. Visit www.technology.ihs.com for more details



Pattern Generators

Strong growth of photomasks for AMOLED displays



- Technology shift from LCD to AMOLED for mobile displays drives demand for AMOLED photomasks
 - Share of AMOLED photomasks will grow from 13% 2018 to 27% 2023 in relation to the total photomask area
- Photomasks for AMOLED is typically more complex than for LCD
 - More complex circuit design in each pixel
 - Requires a higher image quality and tighter specs
- Expected to drive need for P80/P800 capacity on the market

Source: IHS Markit, Technology Group, FPD large-area photomask research, June 7 2019. Information is not an endorsement of Mycronic. Any reliance on these results is at the third party's own risk. Visit www.technology.ihs.com for more details



When passion meets innovation