







Lithography Trends

 Lithography determines the minimum feature size and limits the throughput that can be achieved in an IC manufacturing process. Thus, lithography research & development efforts are directed at

1. achieving higher resolution

→ shorter wavelengths 365 nm → 248 nm → 193 nm → 13 nm "i-line" "DUV" "EUV"

2. improving resist materials

→ higher sensitivity, for shorter exposure times (throughput target is 60 wafers/hr)0

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