

# ALLRESIST



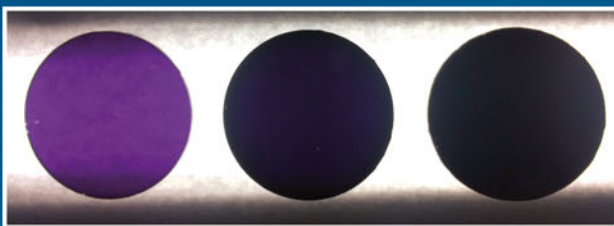
*Innovation  
Creativity  
Customer Orientated Solutions*

- Development, production and distribution of photo- and e-beam resists as well as process chemicals for the manufacturing of electronic components
- Wide range of products - resists for (almost) all standard technologies
- Customised versions of process-specific resists according to our customer's requests - unique selling proposition

- Particular focus on industrial research, project development in cooperation with research institutes and companies
- Individual, competent product- and technology consulting
- Short delivery times (in stock products immediately, express delivery possible)
- Customer-oriented package sizes of 250 ml, test samples of 30 ml, or more

## Brilliant dyed resists

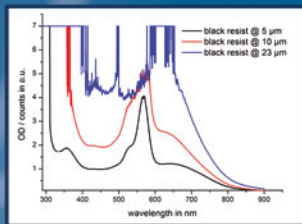
### Black dyed resist Strong absorption up to 750nm



Black dyed resist on glass, film thickness in a range from 5 µm up to 23 µm



Allresist logo on glass



Absorption properties

### New fluorescence-dyed resists Based on 950k PMMA



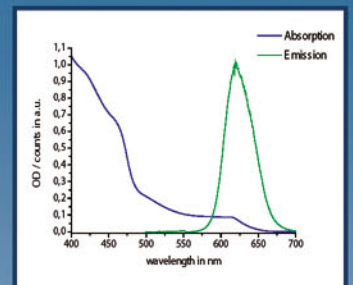
Well-defined pattern: SX AR-P 672.08/2 (red emission) and SX AR-P 672.08/1 (yellow emission)



### Quantum dots In 600k PMMA embedded core-shell particles

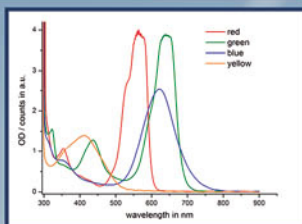
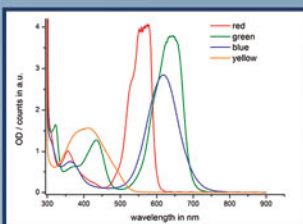


Emission of resist pattern with core-shell particles CANdot®



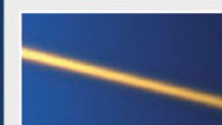
Absorption and emission properties of SX AR-P 660/1

### Coloured resist series Based on organic dyes



Absorption before (left) and after (right) light exposure

### Black resist (PhotoEnco)



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Black resist patterned by laser ablation (University of Stuttgart, Institute for Technical Optics, Robin Hahn), current investigation for a government-funded project: „PhotoEnco - Investigation and research of photonic materials for the producing of encoder discs“

