



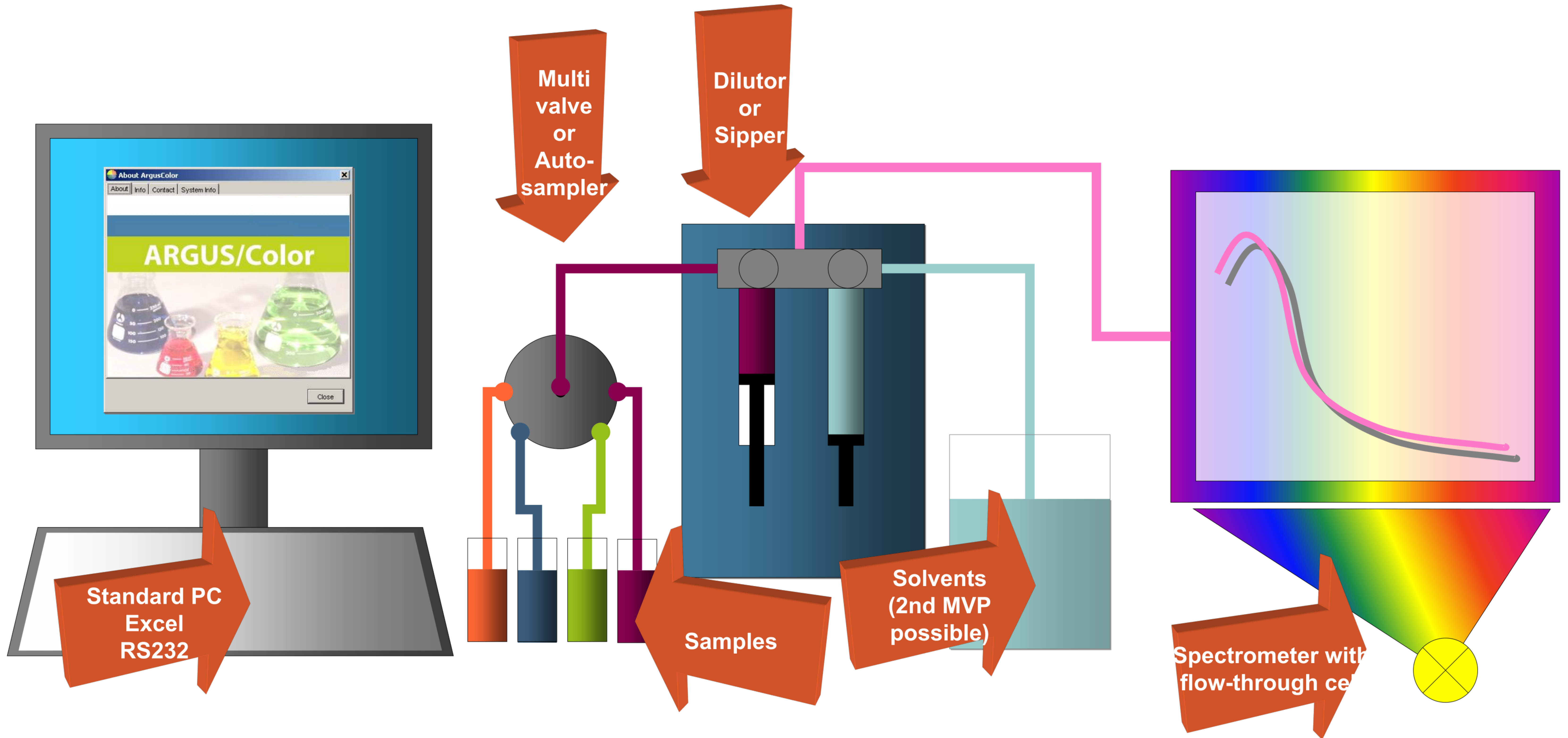
Building the Bridge

between Business and IT

ARGUS/Color

Efficient formulating and controlling of dyes

ARGUS/Color – System Setup



Standard PC
Excel
RS232

Multi
valve
or
Auto-
sampler

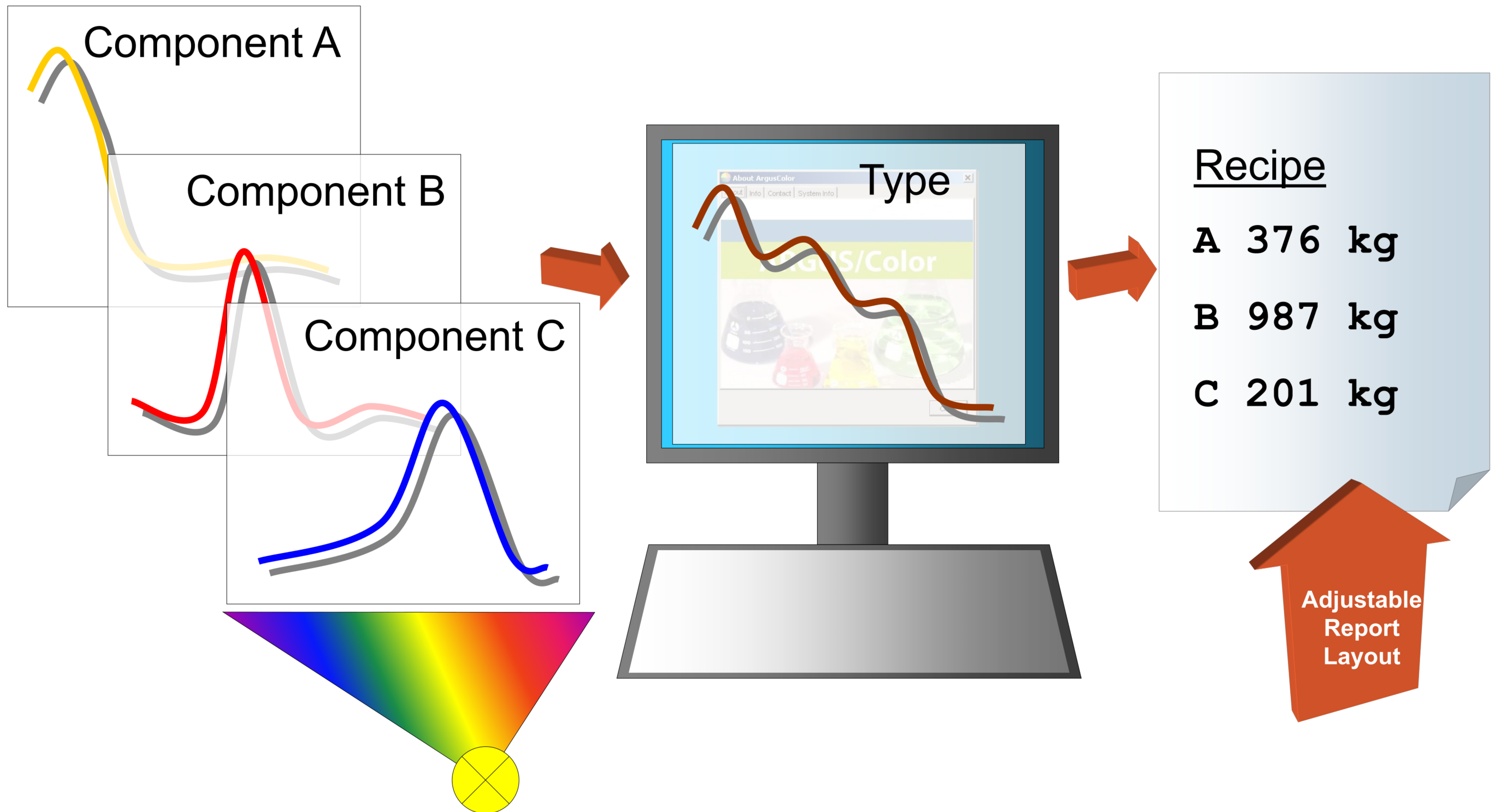
Dilutor
or
Sipper

Samples

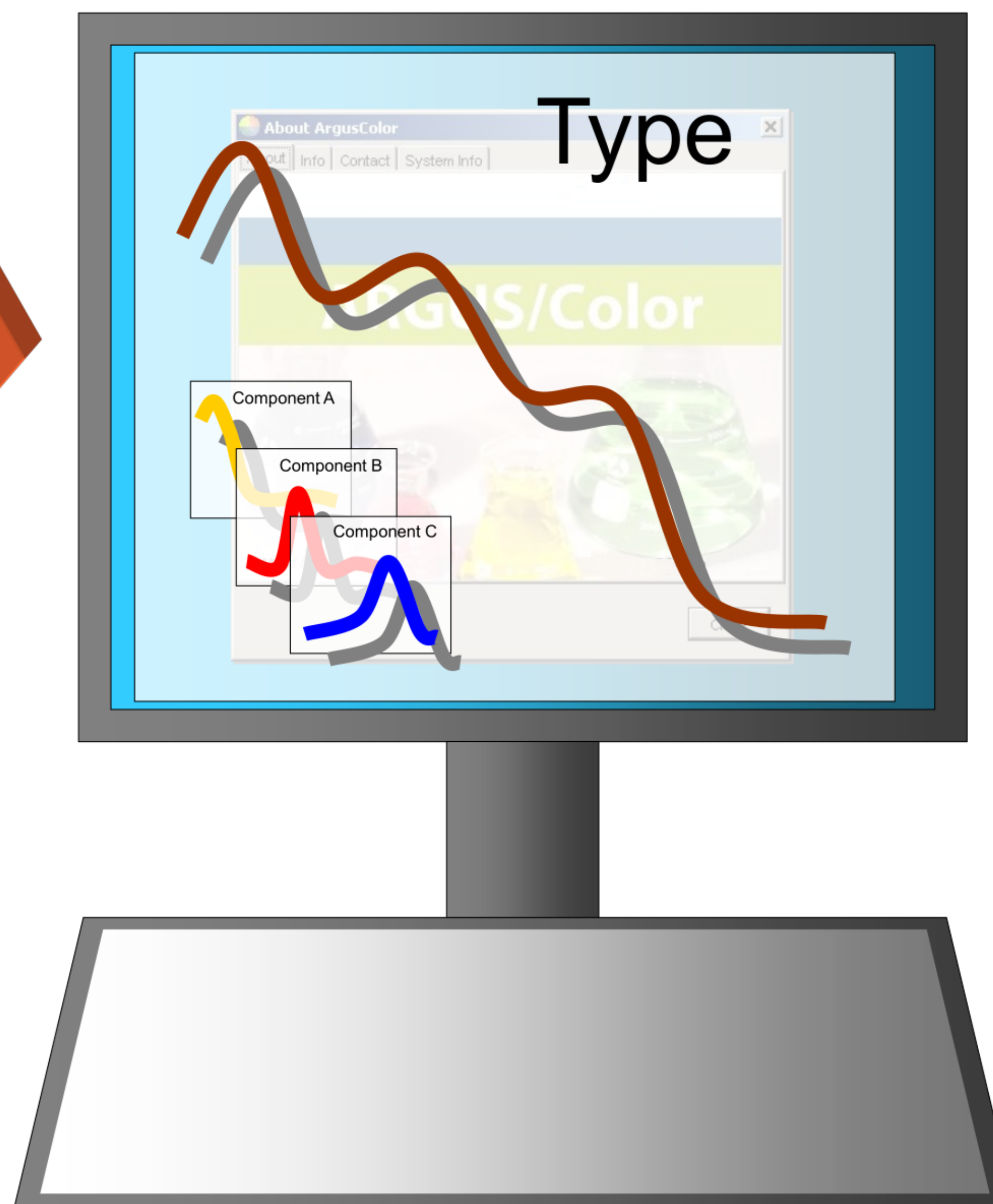
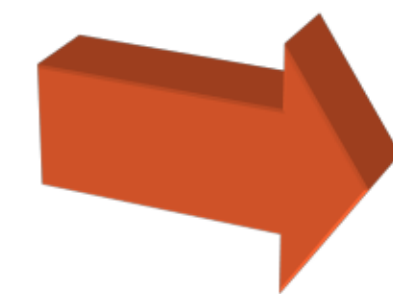
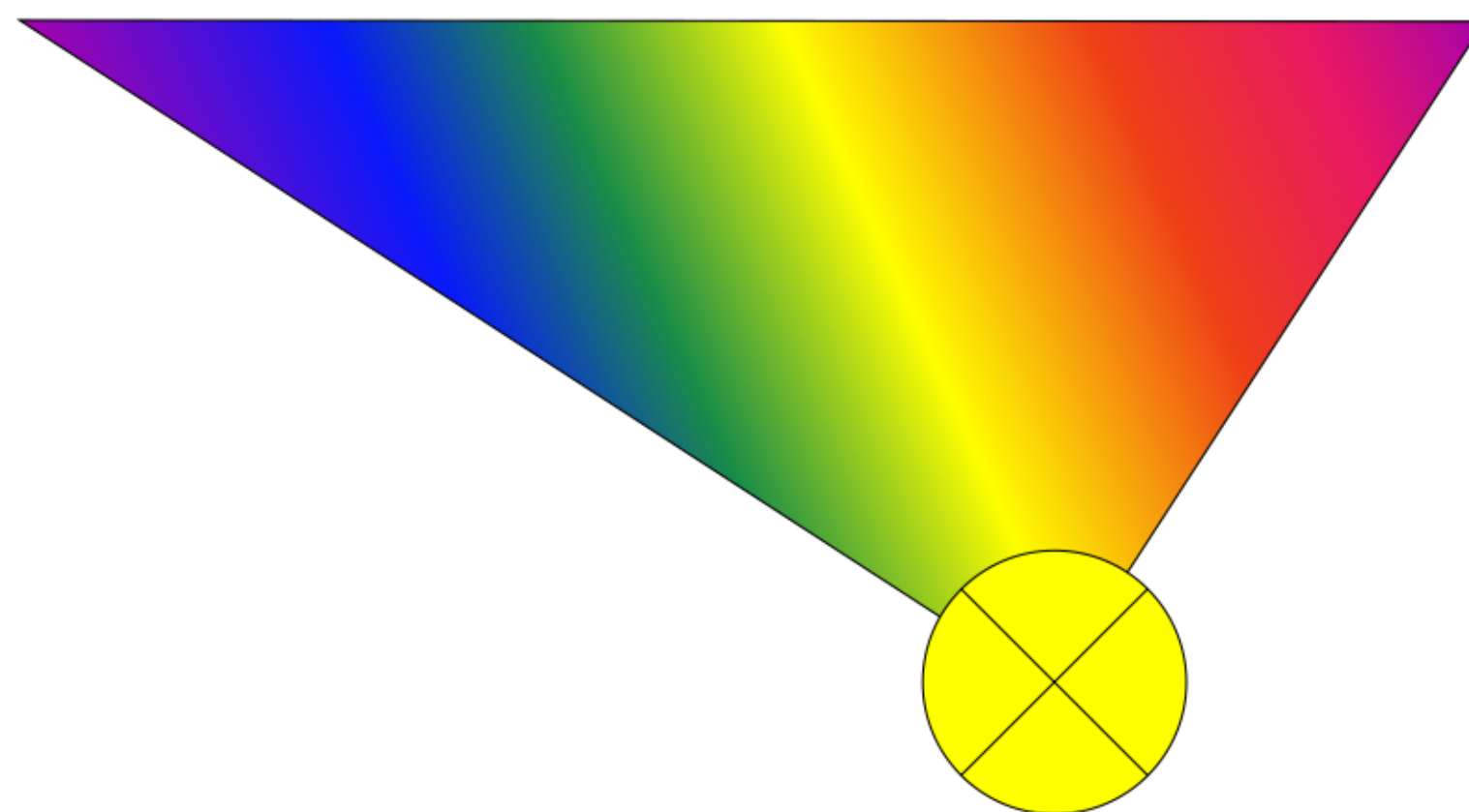
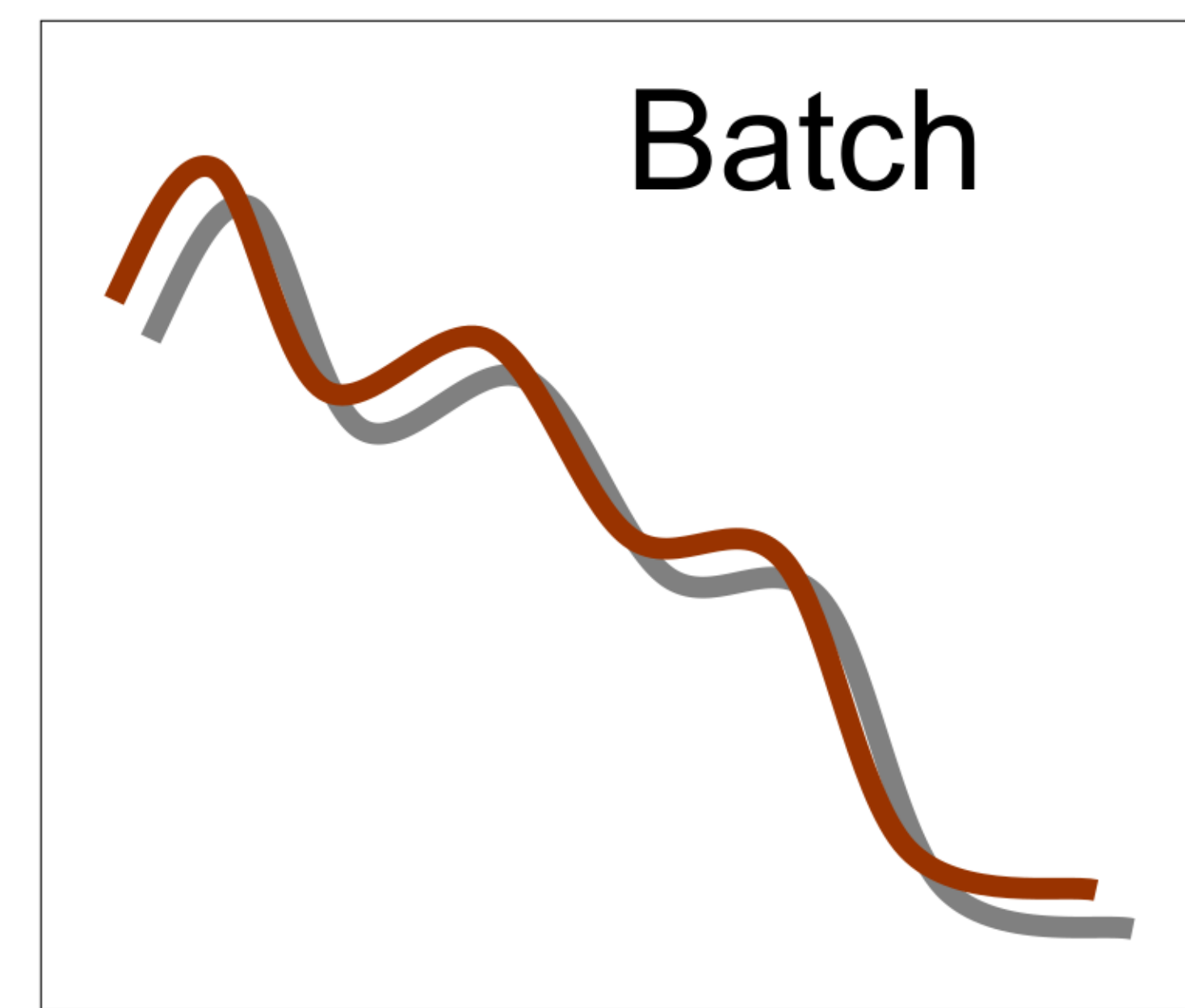
Solvents
(2nd MVP
possible)

Spectrometer with
flow-through cell

ARGUS/Color – Formulating



ARGUS/Color – Controlling



Correction
Recipe

A 0.00 kg
B 1.28 kg
C 0.10 kg

Result

L 50.0
a 2.3
B 1.1
 ΔE 0.01

ARGUS/Color – Features



- Automatic dilution
- System suitability test (Spectrometer)
- Dilution row
- Multi Component Analysis
- Color strength determination
- Recipe calculation (Formulating) with adjustment to largest component
- Dye control with correction recipe
- Colorimetry (CIE XYZ, Lab, ΔE , L normalization, Illuminants A and D65)

ARGUS/Color – Extensions Version 3



- Limitation: No recipe control method
- SAP communication (via File)
- Colorimetry with classification (redder, duller, darker etc.)
- Spectroscopy (peak list, averaging, outlier test, normalization)
- Formulating based on color strength

ARGUS/Color – Benefits



- Less dyeing of paper or textile samples
- Reproducible due to simple experimental setup and automation
- Detailed report including MCA result, Colorimetry and Spectra