

FILM★STAR - when productivity is essential

FilmStar goes far beyond coating design by connecting to the spectrometers, monitors and software essential in manufacturing optical thin films. FilmStar is unrivalled when it comes to the [business of coating](#).

MEASURE

- FilmStar controls diode-array, double-beam and FTIR spectrometers. [Control](#), not just file import.
- Supports new instruments and legacy models such as PE 983G and Lambda 9/19. The same user interface for PE, Cary, OOI, etc. [reduces training costs](#).
- Developed for optics; does reflection right. 100% compatible with design software.
- Communicates with devices like XY or [thermal stages](#) and PLCs via software or serial commands.

ARCHIVE

- The [FilmStar Database](#)...a secure repository for spectral curves...thousands in a single networked file. Save curves in MEASURE, analyze in [DESIGN](#).
- Find and auto-analyze single/multiple spectra according to customer, filter type, coating chamber, technician, etc. Select filters by color? Easy!

ANALYZE

- Visually compare measurements with designs in the Interactor. Vary layers, indices (e.g. [TiO2 from good to bad](#)) and tooling factors in one place.
- Detect gross errors (missing/extra layers, no oxygen) before wasting time on inappropriate methods.

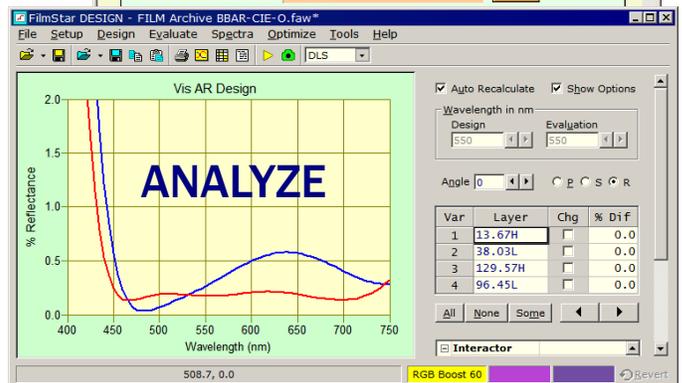
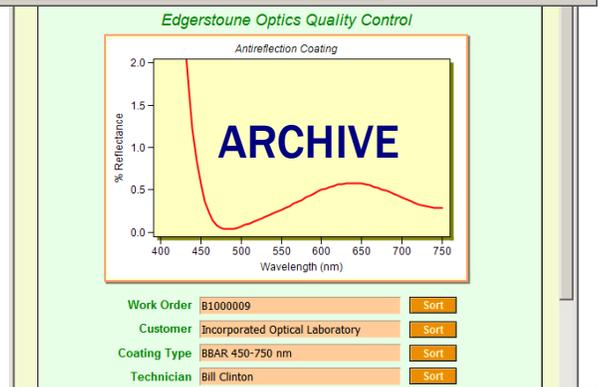
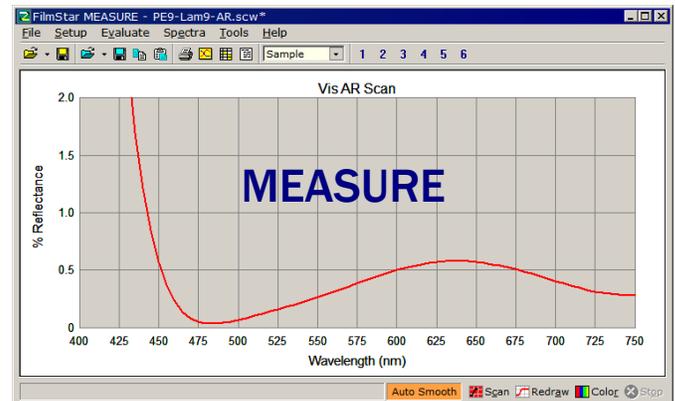
OPTIMIZE

- Auto-convert spectra to targets for inverse synthesis. Tooling factor shifts? Random errors?
- Apply our [Gedankenspektrum](#) technique to assess the reliability of results. Improve yields by tweaking monitor recipes with the [Layer Error Analyzer](#).

AUTOMATE

- [FilmStar BASIC](#)...built-in VBA-compatible module for automating calculations, procedures and devices.
- Modify! Customize! Click one button for superb web graphics and another for reports. Add your own 'what to do next' prompts to MEASURE QA procedures.
- [Outstanding Excel support](#). Search our website for *Excel* and discover its many uses in optical coating.
- Code at right: [SYRUSpro XML](#) generator saves hours of error-prone manual data entry.

FilmStar is your key to higher productivity! Visit our website, install the [Free Version](#) and [e-mail](#) or phone us at +1 609-924-6222 for a [personal online presentation](#).



Type	Wave (nm)	Target	To1	Angle	Pol
1 % Refl	380.000	17.830	1.000	0.00	R
2 % Refl	385.000	15.715	1.000	0.00	R
3 % Refl	390.000	13.669	1.000	0.00	R
4 % Refl	395.000	11.734	1.000	0.00	R
5 % Refl	400.000	9.946	1.000	0.00	R
6 % Refl	405.000	8.327	1.000	0.00	R
7 % Refl	410.000	6.844	1.000	0.00	R
8 % Refl	415.000	5.444	1.000	0.00	R
9 % Refl	420.000	4.172	1.000	0.00	R
10 % Refl	425.000	3.075	1.000	0.00	R
11 % Refl	430.000	2.132	1.000	0.00	R
12 % Refl	435.000	1.328	1.000	0.00	R
13 % Refl	440.000	0.644	1.000	0.00	R

```
Const title$ = "Leybold Monitor Report"
Const qt$ = Chr$(34)

Sub Main
Dim fName$, ds$, s$
Dim n, nlay, q(), qTyps(), qDescs()
On Error GoTo ErrMain
If InStr(Design, "(") > 0 Then
MsgBox "Designs with parentheses not allowed", vbCritical, title$
End
Else
DesignConvert 1, "N" ' convert to nm
GetLayers nlay, q(), qTyps(), qDescs() ' get design
End Sub
```