August 12th, 2020. Cutwise v.5.3: Release notes

New Features

1. New Version of Cutwise Managing Diamonds Stock API.

Cutwise Diamonds API v4 designed to manage diamond stock, diamonds attributes and certificates.

In this version diamond atributes can be set by string values based on RapNet.

API Documentation:

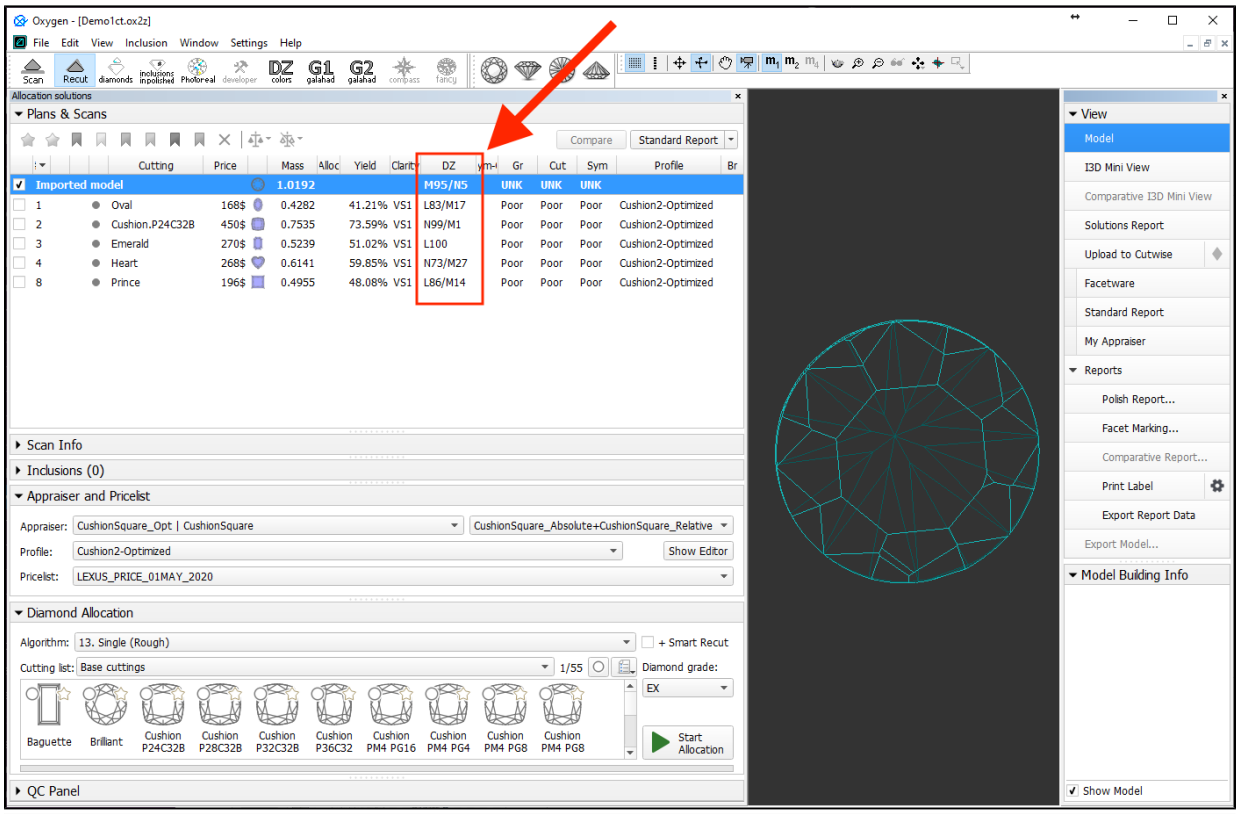
- API V4 documentation
- Accepted fields and values
- Managing certifications of diamonds

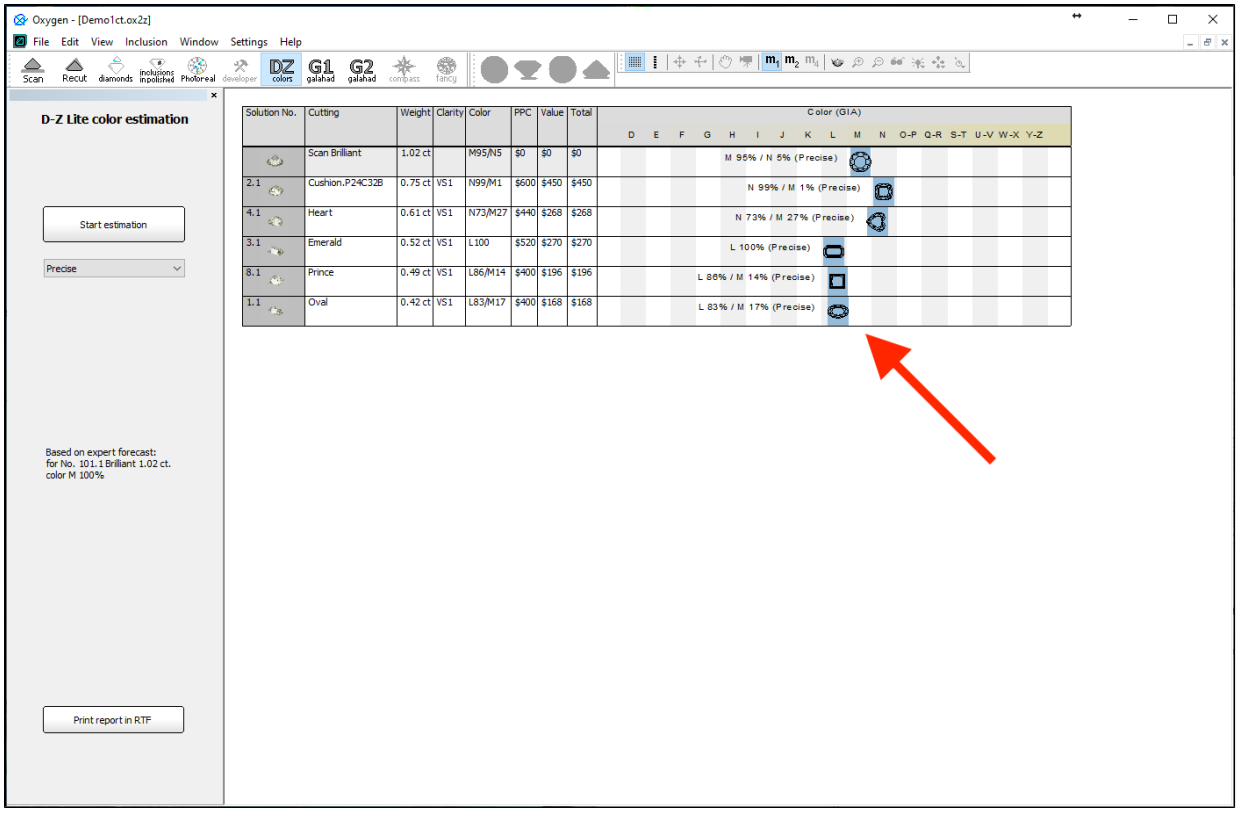
Other Improvements

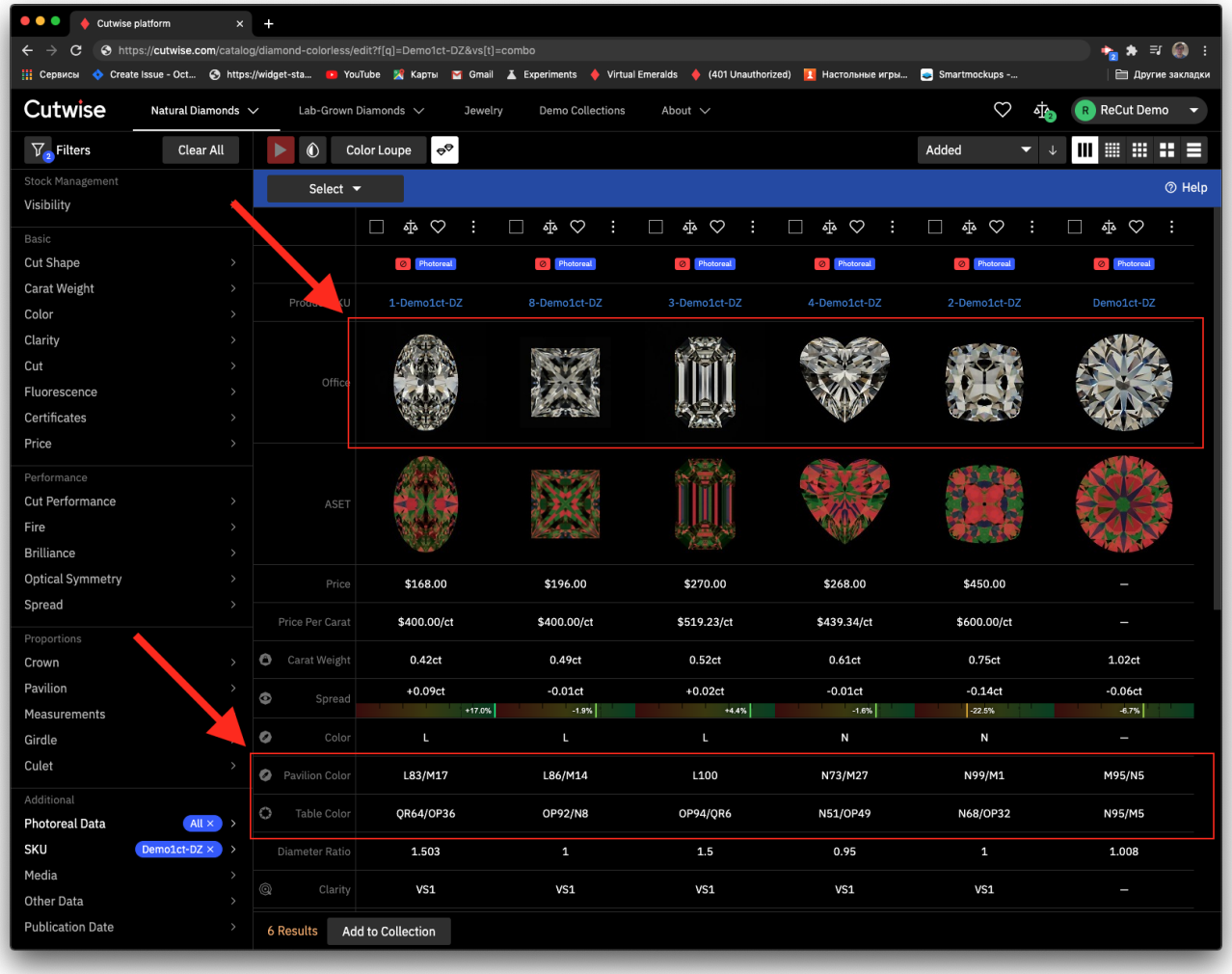
1. Support HP Oxygen DZ-Lite Color Estimation on Photoreal Rendering.

DZ-Lite estimated color showing on cutwise as:

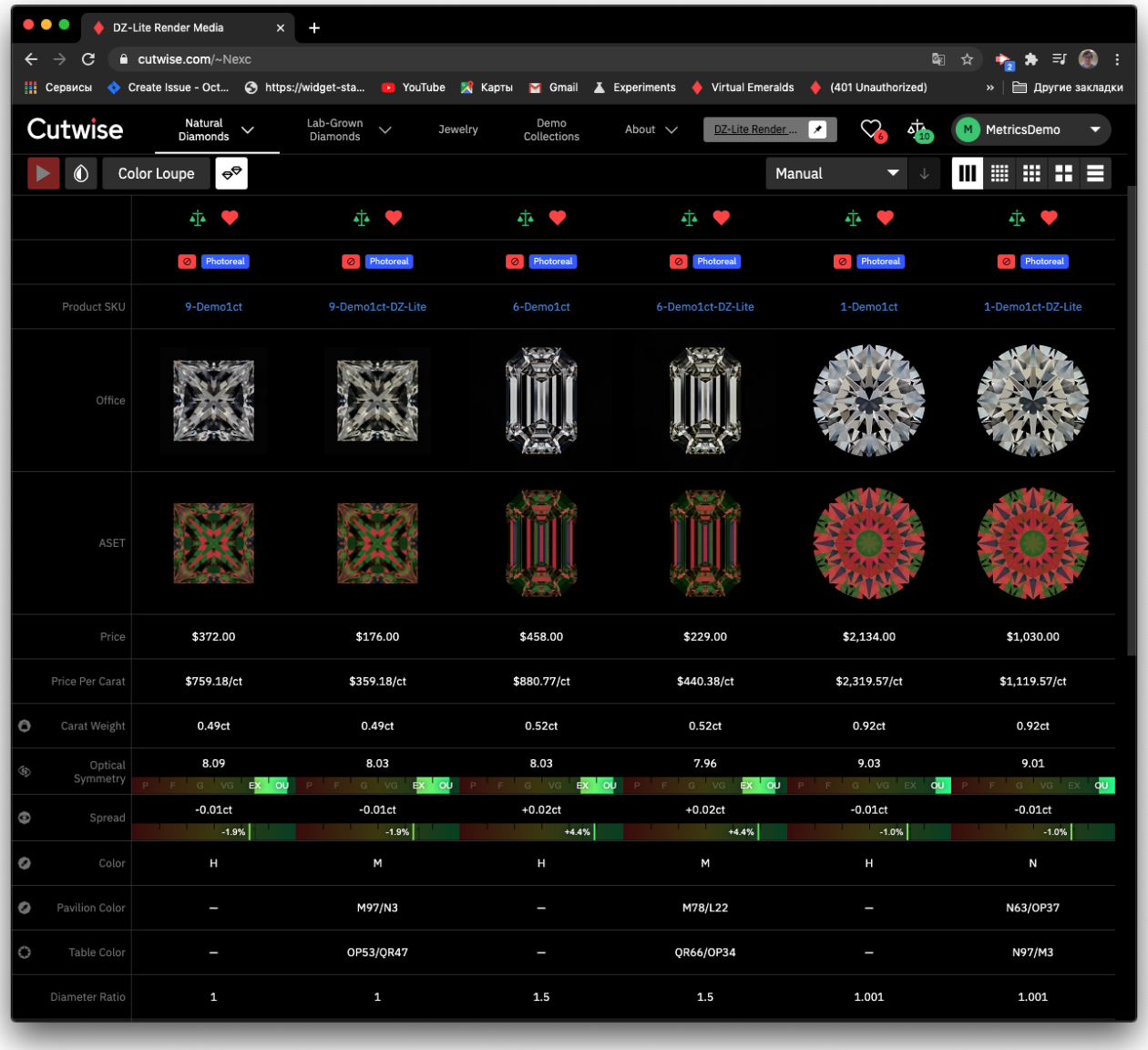
- New product fields (Table Color and Pavilion Color).
- Generating photoreal photos and videos with DZ-Lite spectrum.


Oxygen - [Demo1ct.ox2z]
File Edit View Inclusion Window Settings Help
Scan Recut diamonds inclusions inpolished Photoreal developer DZ colors G1 galahad G2 galahad compass fancy
Allocation solutions
Plans & Scans
Compare
Standard Report
Cutting Price Mass Alloc Yield Clarity DZ Gr Cut Sym Profile
Imported model 1.0192 M95/N5 UNK UNK UNK
1 Oval 168$ 0.4282 41.21% VS1 L83/M17 Poor Poor Poor Cushion2-Optimized
2 Cushion.P24C32B 450$ 0.7535 73.59% VS1 N99/M1 Poor Poor Poor Cushion2-Optimized
3 Emerald 270$ 0.5239 51.02% VS1 L100 Poor Poor Poor Cushion2-Optimized
4 Heart 268$ 0.6141 59.85% VS1 N73/M27 Poor Poor Poor Cushion2-Optimized
8 Prince 196$ 0.4955 48.08% VS1 L86/M14 Poor Poor Poor Cushion2-Optimized
Scan Info
Inclusions (0)
Appraiser and Pricelist
Appraiser: CushionSquare_Opt | CushionSquare
CushionSquare_Absolute+CushionSquare_Relative
Profile: Cushion2-Optimized
Show Editor
Pricelist: LEXUS_PRICE_01MAY_2020
Diamond Allocation
Algorithm: 13. Single (Rough)
+ Smart Recut
Cutting list: Base cuttings
1/55
Diamond grade:
EX
Baguette Brilliant Cushion P24C32B Cushion P28C32B Cushion P32C32B Cushion P36C32 Cushion PM4 PG16 Cushion PM4 PG4 Cushion PM4 PG8 Cushion PM4 PG8
Start Allocation
QC Panel
View
Model
I3D Mini View
Comparative I3D Mini View
Solutions Report
Upload to Cutwise
Facetware
Standard Report
My Appraiser
Reports
Polish Report...
Facet Marking...
Comparative Report...
Print Label
Export Report Data
Export Model...
Model Building Info
Show Model

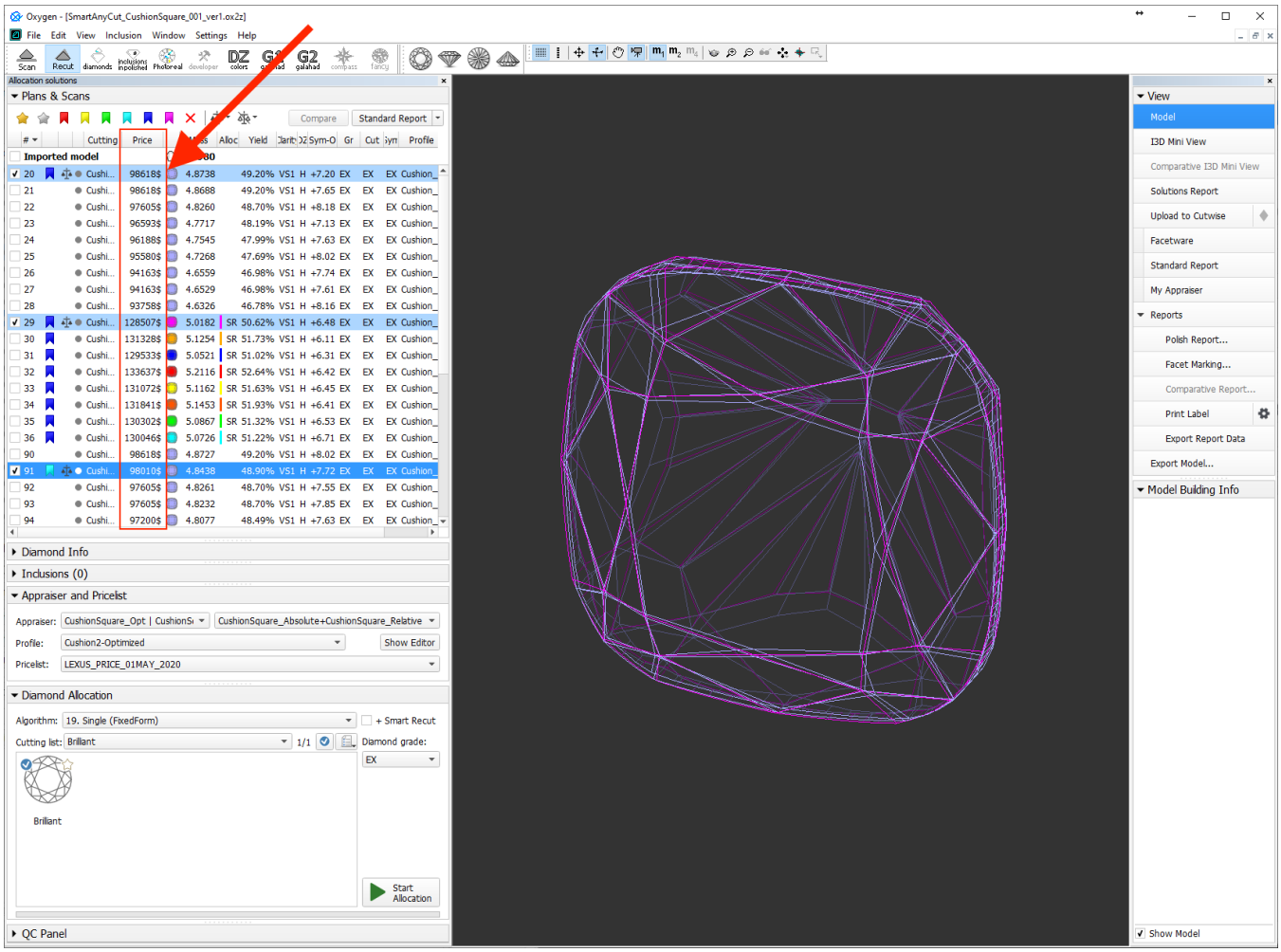

Oxygen - [Demo1ct.ox2z]
File Edit View Inclusion Window Settings Help
Scan Recut diamonds inclusions inpolished Photoreal developer DZ colors G1 galahad G2 galahad compass fancy
D-Z Lite color estimation
Start estimation
Precise
Based on expert forecast:
for No. 101.1 Brilliant 1.02 ct.
color M 100%
Print report in RTF
Solution No. Cutting Weight Clarity Color PPC Value Total
Color (GIA)
D E F G H I J K L M N O-P Q-R S-T U-V W-X Y-Z
Scan Brilliant 1.02 ct M95/N5 $0 $0 $0
M 95% / N 5% (Precise)
2.1 Cushion.P24C32B 0.75 ct VS1 N99/M1 $600 $450 $450
N 99% / M 1% (Precise)
4.1 Heart 0.61 ct VS1 N73/M27 $440 $268 $268
N 73% / M 27% (Precise)
3.1 Emerald 0.52 ct VS1 L100 $520 $270 $270
L 100% (Precise)
8.1 Prince 0.49 ct VS1 L86/M14 $400 $196 $196
L 86% / M 14% (Precise)
1.1 Oval 0.42 ct VS1 L83/M17 $400 $168 $168
L 83% / M 17% (Precise)

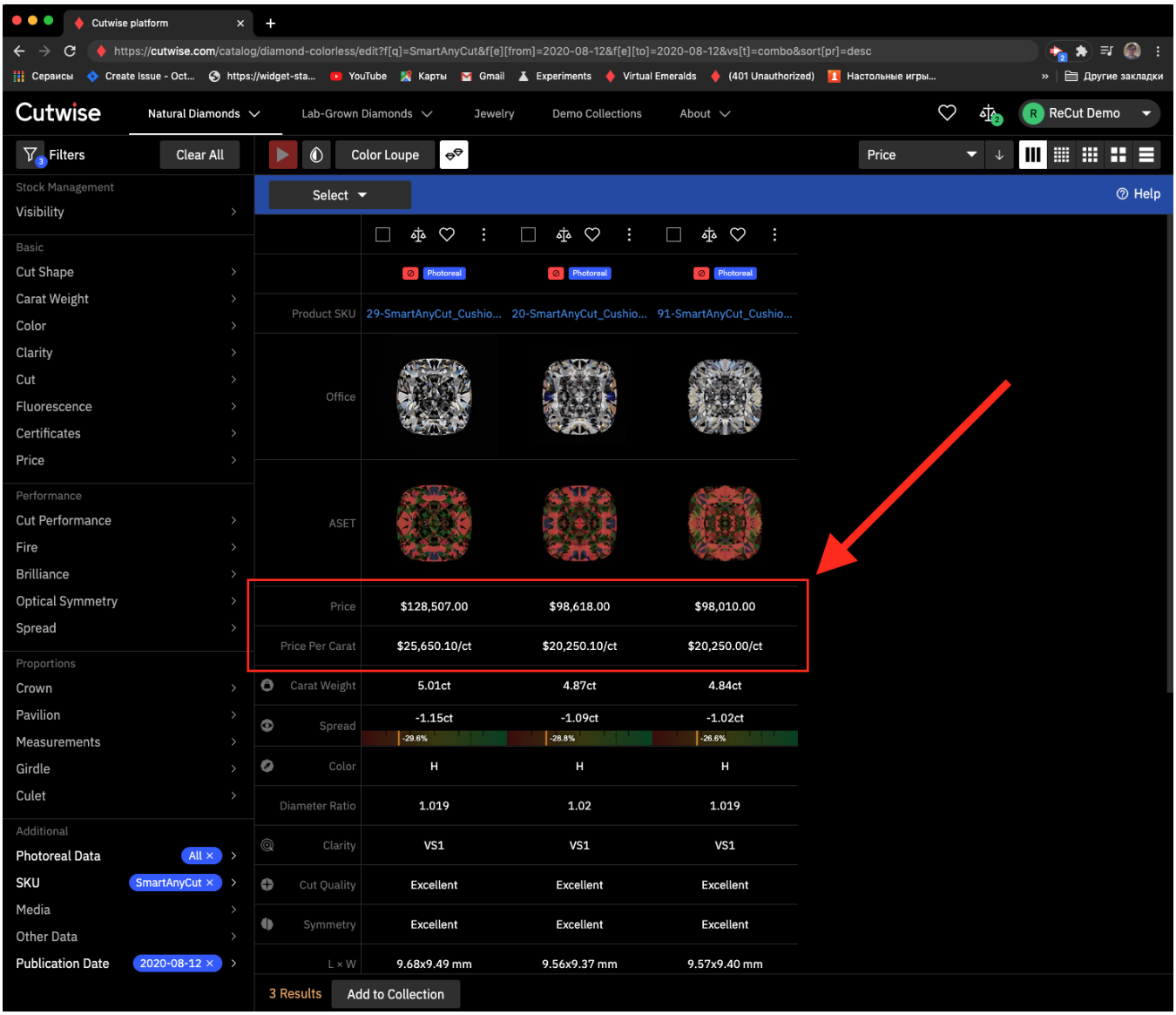


Demo collection with comparison allocation plans with and without DZ-Lite spectrum: https://cutwise.com/~Nexc



2. Support Price Field for HP Oxygen Allocation Plans.


Oxygen - [SmartAnyCut_CushionSquare_001_ver1.ox2z]
File Edit View Inclusion Window Settings Help
Scan Recut diamonds Inclusions Unpolished Photoreal developer DZ colors G2 galahad compass fancy
Allocation solutions
Plans & Scans
Compare Standard Report
Cutting Price Alloc Yield Sym-O Gr Cut Profile
Imported model
20 Cushi... 98618$ 4.8738 49.20% VS1 H +7.20 EX EX EX Cushion_
21 Cushi... 98618$ 4.8688 49.20% VS1 H +7.65 EX EX EX Cushion_
22 Cushi... 97605$ 4.8260 48.70% VS1 H +8.18 EX EX EX Cushion_
23 Cushi... 96593$ 4.7717 48.19% VS1 H +7.13 EX EX EX Cushion_
24 Cushi... 96188$ 4.7545 47.99% VS1 H +7.63 EX EX EX Cushion_
25 Cushi... 95580$ 4.7268 47.69% VS1 H +8.02 EX EX EX Cushion_
26 Cushi... 94163$ 4.6559 46.98% VS1 H +7.74 EX EX EX Cushion_
27 Cushi... 94163$ 4.6529 46.98% VS1 H +7.61 EX EX EX Cushion_
28 Cushi... 93758$ 4.6326 46.78% VS1 H +8.16 EX EX EX Cushion_
29 Cushi... 128507$ 5.0182 SR 50.62% VS1 H +6.48 EX EX EX Cushion_
30 Cushi... 131328$ 5.1254 SR 51.73% VS1 H +6.11 EX EX EX Cushion_
31 Cushi... 129533$ 5.0521 SR 51.02% VS1 H +6.31 EX EX EX Cushion_
32 Cushi... 133637$ 5.2116 SR 52.64% VS1 H +6.42 EX EX EX Cushion_
33 Cushi... 131072$ 5.1162 SR 51.63% VS1 H +6.45 EX EX EX Cushion_
34 Cushi... 131841$ 5.1453 SR 51.93% VS1 H +6.41 EX EX EX Cushion_
35 Cushi... 130302$ 5.0867 SR 51.32% VS1 H +6.53 EX EX EX Cushion_
36 Cushi... 130046$ 5.0726 SR 51.22% VS1 H +6.71 EX EX EX Cushion_
90 Cushi... 98618$ 4.8727 49.20% VS1 H +8.02 EX EX EX Cushion_
91 Cushi... 98010$ 4.8438 48.90% VS1 H +7.72 EX EX EX Cushion_
92 Cushi... 97605$ 4.8261 48.70% VS1 H +7.55 EX EX EX Cushion_
93 Cushi... 97605$ 4.8232 48.70% VS1 H +7.85 EX EX EX Cushion_
94 Cushi... 97200$ 4.8077 48.49% VS1 H +7.63 EX EX EX Cushion_
Diamond Info
Inclusions (0)
Appraiser and Pricelist
Appraiser: CushionSquare_Opt | CushionSc CushionSquare_Absolute+CushionSquare_Relative
Profile: Cushion2-Optimized Show Editor
Pricelist: LEXUS_PRICE_01MAY_2020
Diamond Allocation
Algorithm: 19. Single (FixedForm) + Smart Recut
Cutting list: Brilliant 1/1 Diamond grade:
EX
Brilliant
Start Allocation
QC Panel
View
Model
I3D Mini View
Comparative I3D Mini View
Solutions Report
Upload to Cutwise
Facetware
Standard Report
My Appraiser
Reports
Polish Report...
Facet Marking...
Comparative Report...
Print Label
Export Report Data
Export Model...
Model Building Info
Show Model



3. The Problem With Receiving DMC File from New HP Oxygen Version was Fixed.

Now we support a new version of DMC file (from HP Oxygen 6.3.29 and higher, HP Carbon 1.0.0 and higher) and uploading on Cutwise ("Upload to Cutwise" feature in HP Oxygen).

All services like **OSV Plotting**, **Spetral Rendering** and **Basis Recognition** are working fine for scan models and allocation plans as well.

Please note that the new DMC file are not available for downloading from product page.

4. Some Improvements for Pair-Comparison Widget.

- Scaled size of comparison video (single scale).
- Mark best and worst value.
- Show LabGrown and Photoreal labels.

Example: https://widget-staging.cutwise.com/pair-comparison/58273/67837

5. Bugfixes.