

Kisters 3DViewStation product family

List of 3DViewStation functionality, includes base modules and optional modules, excerpt:

| Functionality | | | Desktop, ActiveX | | | | | | | | WebView | | | | | |
|----------------------|-------------|-----------------------|------------------|--------------------|-------------------------|------------------|-----------------------------|-------------------------------|-------------------------|--------------------------------|-------------------|--------------------|-----------------------------|-------------------------------|-------------------------|--------------------------------|
| <i>Category</i> | <i>item</i> | <i>detail</i> | <i>2D basic</i> | <i>2D advanced</i> | <i>3D all importers</i> | <i>3D export</i> | <i>3D advanced analysis</i> | <i>3D feature recognition</i> | <i>3D IP protection</i> | <i>technical documentation</i> | <i>Web-Viewer</i> | <i>2D advanced</i> | <i>3D advanced analysis</i> | <i>3D feature recognition</i> | <i>3D IP protection</i> | <i>technical documentation</i> |
| file | open | | • | • | • | | | | | | API | • | | | | |
| | import | | • | • | • | | | | | | API | • | | | | |
| | save as | | • | • | • | | | | | | API | • | | | | |
| | convert | | | | | • | | | | | | | | | | |
| | print | | • | • | • | | | | | | | | | | | |
| settings | search | search for a setting | • | • | • | • | • | | • | • | • | • | • | | • | • |
| | import | tessellation | | | • | | | | | | • | | | | | |
| | import | BREP | | | • | | | | | | • | | | | | |
| | import | attributes | | | • | | | | | | • | | | | | |
| | import | wireframes | | | • | | | | | | • | | | | | |
| | import | PMIs | | | • | | | | | | • | | | | | |
| | import | help constructions | | | • | | | | | | • | | | | | |
| | import | views | | | • | | | | | | • | | | | | |
| | import | filter | | | • | | | | | | • | | | | | |
| | import | replace node names | | | • | | | | | | • | | | | | |
| | import | recursive file search | | | • | | | | | | • | | | | | |
| import | incremental | | | • | | | | | | • | | | | | | |

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|------------|----------------------|----------------------|---|---|---|---|--------|-------|--------|------|---|---|--------|-------|--------|------|
| | export | BREP or tessellation | | | | • | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | export | PDF + template | | | | • | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| rendering | solid | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | wireframe | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | illustration | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | silhouette | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | opaque | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | material | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | shadow | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | grid | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | invert | background | • | • | | | Yellow | Green | Orange | Blue | | | Yellow | Green | Orange | Blue |
| | black / white mode | | • | • | | | Yellow | Green | Orange | Blue | | | Yellow | Green | Orange | Blue |
| | full screen | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | split screen | | | | • | | Yellow | Green | Orange | Blue | | | Yellow | Green | Orange | Blue |
| | focus | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | hardware accelerated | | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | software mode | | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | remove edges | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | re-calculate edges | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| navigation | zoom | | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | pan | | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | rotate | | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | fly through | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | page | next | • | • | | | Yellow | Green | Orange | Blue | | • | Yellow | Green | Orange | Blue |
| | page | previous | • | • | | | Yellow | Green | Orange | Blue | | • | Yellow | Green | Orange | Blue |
| | layer | | | | • | | Yellow | Green | Orange | Blue | | | Yellow | Green | Orange | Blue |
| | standard views | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | PMI views | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | functional views | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | play views | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | save views | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | load views | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |

| | | | | | | | | | | | | | | | | |
|----------------|----------------------|----------------------|---|---|---|--|--------|-------|--------|------|---|---|--------|-------|--------|------|
| selection | click | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | add | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | remove | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | rectangle | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | all | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | merge | to single, recursive | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | intelligent picking | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | drill down | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | hide | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | ghost | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | invert | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | delete | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | mode | select | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | mode | ghost | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | mode | hide | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | mode | delete | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | neighbourhood | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| show / hide | show all | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | unghost all | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | hide all markups | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | hide all PMIs | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| | invert visibility | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |
| seach & filter | by color | | | | • | | yellow | green | orange | blue | | | yellow | green | orange | blue |
| | by name | | | | • | | yellow | green | orange | blue | | | yellow | green | orange | blue |
| | by attribute | name | | | • | | yellow | green | orange | blue | | | yellow | green | orange | blue |
| | by attribute | value | | | • | | yellow | green | orange | blue | | | yellow | green | orange | blue |
| | by object type | | | | • | | yellow | green | orange | blue | | | yellow | green | orange | blue |
| | search PMI | 3D file formats only | | | • | | yellow | green | orange | blue | • | • | yellow | green | orange | blue |
| | search Markups | | | | • | | yellow | green | orange | blue | • | • | yellow | green | orange | blue |
| | text search | 2D file formats only | • | • | | | yellow | green | orange | blue | • | • | yellow | green | orange | blue |
| | neighbourhood search | | | | • | | yellow | green | orange | blue | • | | yellow | green | orange | blue |

| | | | | | | | | | | | | | | | | |
|--------------------------|-------------------|-------------------|---|---|---|--|--|--|--|--|---|---|--|--|--|--|
| Measurements & dimension | point | | • | • | • | | | | | | • | • | | | | |
| | length | | • | • | • | | | | | | • | • | | | | |
| | length | accumulated | • | • | • | | | | | | • | • | | | | |
| | center | | • | • | • | | | | | | • | • | | | | |
| | perimeter | | • | • | • | | | | | | • | • | | | | |
| | radius | | • | • | • | | | | | | • | • | | | | |
| | diameter | | • | • | • | | | | | | • | • | | | | |
| | angle | edge | • | • | • | | | | | | • | • | | | | |
| | angle | line | • | • | • | | | | | | • | • | | | | |
| | angle | point | • | • | • | | | | | | • | • | | | | |
| | angle | coordinate system | | | • | | | | | | • | | | | | |
| | wall thickness | | | | • | | | | | | • | | | | | |
| | bounding box | world | | | • | | | | | | • | | | | | |
| | bounding box | part | | | • | | | | | | • | | | | | |
| | distance | points | • | • | • | | | | | | • | • | | | | |
| | distance | lines | • | • | • | | | | | | • | • | | | | |
| | distance | edges | | | • | | | | | | • | | | | | |
| | distance | axis | | | • | | | | | | • | | | | | |
| | distance | faces | | | • | | | | | | • | | | | | |
| | distance | solids | | | • | | | | | | • | | | | | |
| | distance | combinations | | | • | | | | | | • | | | | | |
| | calibrate | | • | • | | | | | | | | | | | | |
| properties | volume | | | | • | | | | | | • | | | | | |
| | surface | | | | • | | | | | | • | | | | | |
| | density | | | | • | | | | | | • | | | | | |
| | mass | | | | • | | | | | | • | | | | | |
| | center of gravity | | | | • | | | | | | • | | | | | |
| | color | | | | • | | | | | | • | | | | | |
| | transparency | | | | • | | | | | | • | | | | | |
| | attributes | | | | • | | | | | | • | | | | | |
| | wires | color | | | • | | | | | | • | | | | | |
| | background image | color | | | • | | | | | | • | | | | | |
| | background | image | | | • | | | | | | • | | | | | |

| | | | | | | | | | | | | | | | |
|---------------------|--|-------------------|--|--|---|--|--|--|--|---|--|--|--|--|--|
| | skybox | | | | • | | | | | • | | | | | |
| analysis standard | section | coordinate system | | | • | | | | | • | | | | | |
| | section | normal of face | | | • | | | | | • | | | | | |
| | section | 3 points | | | • | | | | | • | | | | | |
| | compare | quick | | | • | | | | | • | | | | | |
| | compare | exact | | | • | | | | | • | | | | | |
| | projected area | | | | • | | | | | • | | | | | |
| | BOM | | | | • | | | | | • | | | | | |
| analysis advanced | draft angle | | | | | | | | | | | | | | |
| | split | | | | | | | | | | | | | | |
| | clash | | | | | | | | | | | | | | |
| | wall thickness | graduated heatmap | | | | | | | | | | | | | |
| | convex hull | | | | | | | | | | | | | | |
| feature recognition | neutral axis | | | | | | | | | | | | | | |
| | drill hole | | | | | | | | | | | | | | |
| IP protection | distort tessellation | | | | | | | | | | | | | | |
| | distort BREP | | | | | | | | | | | | | | |
| | remove internal parts | | | | | | | | | | | | | | |
| | remove internal faces | | | | | | | | | | | | | | |
| | remove internal triangles | | | | | | | | | | | | | | |
| | convex hull | | | | | | | | | | | | | | |
| transform | move | | | | • | | | | | • | | | | | |
| | rotate | | | | • | | | | | • | | | | | |
| | scale | | | | • | | | | | • | | | | | |
| | explode | | | | • | | | | | • | | | | | |
| | mirror | | | | • | | | | | • | | | | | |
| | free drag | | | | • | | | | | • | | | | | |
| | coordinate system to coordinate system | | | | • | | | | | • | | | | | |
| | axis to axis | | | | • | | | | | • | | | | | |

| | | | | | | | | | | | | | | | | |
|-------------------|----------------------------|--------------------------|---|---|---|--|--------|-------|--------|------|-----|-----|--------|-------|--------|------|
| | lock direction | | | | • | | Yellow | Green | Orange | Blue | | | Yellow | Green | Orange | Blue |
| | lock rotation axis | | | | • | | Yellow | Green | Orange | Blue | | | Yellow | Green | Orange | Blue |
| | animated rotation | | | | • | | Yellow | Green | Orange | Blue | | | Yellow | Green | Orange | Blue |
| help construction | create coordinate system | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | create circle center | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | create point | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | create axis | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | activate coordinate system | | | | • | | Yellow | Green | Orange | Blue | | | Yellow | Green | Orange | Blue |
| redline / markup | text annotation | | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | circle | | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | rectangle | | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | free hand | | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| technical | generate BOM Ids | | | | | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | callout generate | automatic | | | | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | callout generate | interactively | | | | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | callout arrangement | automatic | | | | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | callout arrangement | interactively | | | | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | callout properties | shapes, balloons & lines | | | | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | import legacy SMG | limited support | | | | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| publish | bitmap | | • | • | • | | Yellow | Green | Orange | Blue | API | API | Yellow | Green | Orange | Blue |
| | PDF | | • | • | • | | Yellow | Green | Orange | Blue | API | API | Yellow | Green | Orange | Blue |
| | HLR to DXF | | | | • | | Yellow | Green | Orange | Blue | API | | Yellow | Green | Orange | Blue |
| | HLR to SVG | | | | • | | Yellow | Green | Orange | Blue | API | | Yellow | Green | Orange | Blue |
| | callout lines | | | | • | | Yellow | Green | Orange | Blue | API | | Yellow | Green | Orange | Blue |
| | clipboard | | • | • | • | | Yellow | Green | Orange | Blue | API | API | Yellow | Green | Orange | Blue |
| | export | | | | • | | Yellow | Green | Orange | Blue | API | | Yellow | Green | Orange | Blue |
| various | optimize instances | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | Skybox generator | | | | • | | Yellow | Green | Orange | Blue | | | Yellow | Green | Orange | Blue |
| | undo | | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | face extraction | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |

| | | | | | | | | | | | | | | | | |
|--|------------------|--------------------|---|---|---|--|--------|-------|--------|------|---|---|--------|-------|--------|------|
| | color code | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | hyperlinking | | | | • | | Yellow | Green | Orange | Blue | • | | Yellow | Green | Orange | Blue |
| | UI | ribbon Office like | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | UI | change color | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | UI | change language | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | UI | customize layout | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | UI | extend by PlugIn | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | UI | reset layout | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | settings | save profile | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | settings | load profile | • | • | • | | Yellow | Green | Orange | Blue | • | • | Yellow | Green | Orange | Blue |
| | 2D font replace | single, table | | • | | | Yellow | Green | Orange | Blue | | • | Yellow | Green | Orange | Blue |
| | 3D mouse support | 3D Connexion | | | • | | Yellow | Green | Orange | Blue | | | Yellow | Green | Orange | Blue |

Errors excepted, information is subject to change without notice at any time.

Information as per 01.04.2020