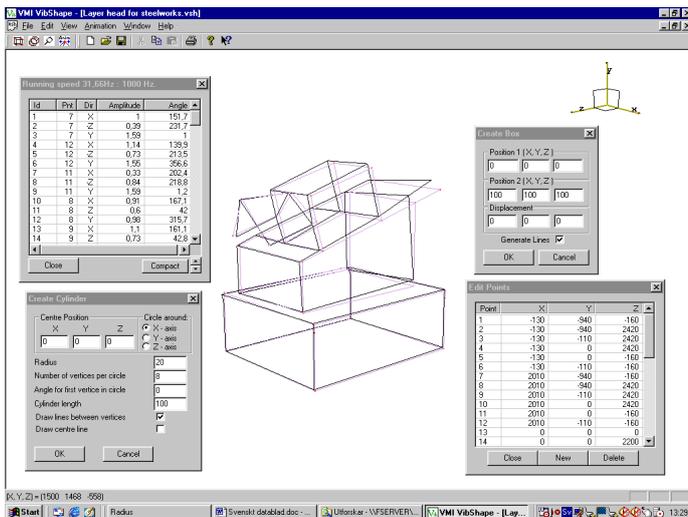# Vibshape

SMART PRODUCTS FOR SMART PEOPLE

With the animation program Vibshape you can "understand" how a machine vibrates and what measures should be taken.

- Vibshape has functions for drawing of cubes, boxes and cylinders
- Vibshape shows all the pictures in radical projection
- Vibshape can move, copy or delete junctions
- With the manual input the program is suitable for all instruments that can measure vibration and angle
- Measuring data can be entered while the model is vibrating "live"
- The zoom and view angle can easily be changed with the mouse
- It is easy to change the mode shape frequency at animation
- Automatic max and min deviation for print out or copying
- Vibshape has a very "friendly" price level

Create Box

Position 1 (X, Y, Z)
| 0 | 0 | 0 |

Position 2 (X, Y, Z)
| 100 | 100 | 100 |

Displacement
| 0 | 0 | 0 |

Generate Lines ☑

OK   Cancel

Enter the coordinates for the diagonal corners of a box and the program draws the whole box.

Create Cylinder

Centre Position
| X | Y | Z |
| 0 | 0 | 0 |

Circle around:
◉ X - axis
◯ Y - axis
◯ Z - axis

Radius   20
Number of vertices per circle   8
Angle for first vertice in circle   0
Cylinder length   100
Draw lines between vertices   ☑
Draw centre line   ☐

OK   C

Enter the diameter and length and the program draws a cylinder.

Edit Points

Point	X	Y	Z
1	-130	-940	-160
2	-130	-940	2420
3	-130	-110	2420
4	-130	0	2420
5	-130	0	-160
6	-130	-110	-160
7	2010	-940	-160
8	2010	-940	2420
9	2010	-110	2420
10	2010	0	2420
11	2010	0	-160
12	2010	-110	-160
13	0	0	0
14	0	0	2200

Close   New   Delete

The program has also a manual input of physical coordinates.

Running speed 31,66Hz : 1000 Hz.

Id	Pnt	Dir	Amplitude	Angle
1	7	X	1	151,7
2	7	-Z	0,39	231,7
3	7	Y	1,59	1
4	12	X	1,14	139,9
5	12	-Z	0,73	213,5
6	12	Y	1,55	356,6
7	11	X	0,33	202,4
8	11	-Z	0,84	218,8
9	11	Y	1,59	1,2
10	8	X	0,91	167,1
11	8	Z	0,6	42
12	8	Y	0,98	315,7
13	9	X	1,1	161,1
14	9	Z	0,73	42,8

Close   Compact

The program has manual input of measured values, which makes it suitable for all instruments that can measure vibration and angle.

Set Local Origo

Absolute Coords (X Y Z) :
| 0 | 0 | 0 |

OK   Cancel

The origin of the coordinates can be moved around which makes is easy to add new parts.

Vibshape works under:
Windows 95, 98, NT4.0, ME, 2000 and XP

Hardware requirements:
Minimum Pentium 200 MHz

VMI International AB

Sweden
www.vmiab.com