Appendix 1 – TWIN File Format

Example of TWIN file format for a unit cube. Comments are not permitted in an actual file.

```
#TWIN 1                              /*file version identifier*/
8                                    /* There are 8 vertices */
0.000000 0.000000 0.000000
1.000000 0.000000 0.000000
0.000000 1.000000 0.000000
0.000000 0.000000 1.000000           /* 3D coordinates */
1.000000 0.000000 1.000000
0.000000 1.000000 1.000000
1.000000 1.000000 0.000000
1.000000 1.000000 1.000000
12                                   /* There are 12 edges */
5 2
5 4                                  /* This edge begins at vertex 5 and ends at 4 */
4 1
2 1
7 2
7 8
8 5
7 3
6 3
8 6
6 4
3 1
6                                    /* There are 6 faces */
1                                    /* This face has surface ID = 1*/
-31044                               /* This is the data stored in prim for this face*/
1 0                                  /* There is 1 loop in this face */
4 -1 2 3 -4                          /* There are 4 edges in this loop */
2
4
1 0
4 1 -5 6 7                           /* Edge 5 is in the negative direction */
3
0
1 0                                  /* This face is in group # 0 */
4 -6 8 -9 -10
4
4598
1 0
4 -3 -11 9 12
5
-1
1 0
4 -7 10 11 -2
6
0
1 0
4 -8 5 4 -12
```

Appendix 2 – Company Contact Information

Rapid Prototyping
Cubital
1307F Allen Drive
Troy, Michigan, 48083
810-585-7880
Fax 810-585-7884

DTM Corporation
1611 Headway Circle, Bldg. 2
Austin, TX 78754
512-339-2922
Fax 512-832-6753

Sanders Prototype, Inc.
P. O. Box 540
Wilton, NH 03086
603-654-5100
FAX 603-654-2616

Stratasys, Inc.
14950 Martin Drive
Eden Prairie, MN 55344-2020
612-937-3000
Fax 612-937-0070

3D Printing Laboratory
MIT
77 Massachusetts Avenue
35-136
Cambridge, MA 02139
617-258-5602
Fax 617-0209

3D SYSTEMS
26081 Avenue Hall
Valencia, CA 91355
805-295-5600
Fax 805-257-1200

Materials
Koster Keunen Inc.
1021 Echo Lake Rd.
P.O. Bos 69
Watertown, CT 06795
203-945-3333
Fax 203-945-0330

Potters Industries, Inc.
2380 West 3rd St.
Cleveland, OH 44113

Reverse Engineering
Capture Geometry Inside
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Eden Prairie, MN 55344
612-937-2005
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Digibotics, Inc.
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Austin, TX 78758
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CAD
Autodessys, Inc.
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Imageware
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Parametric Technology Corporation
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Waltham, MA 02154
617-398-5000
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