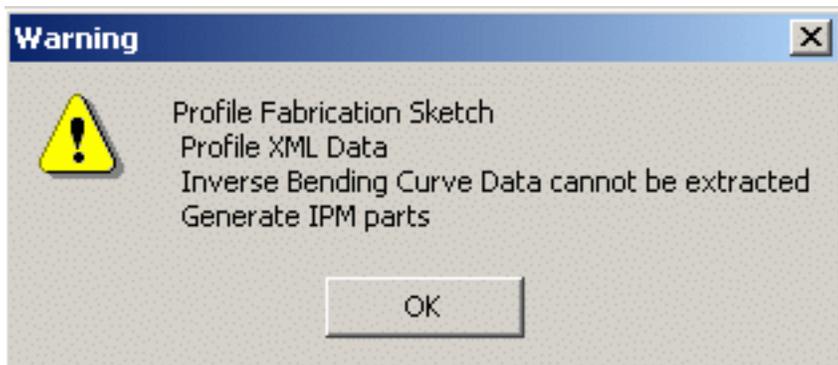


Extracting Inverse Bending Curve Data or Plate Distortion Data in XML File



You can extract [Inverse Bending Curve \(IBC\)](#) or [plate distortion data](#) in an XML file. If you are using the sample data, select the curve in the SHELL.CATProduct.

Important: You must have already generated the in-process model (IPM). Otherwise, you cannot extract data and you will get a warning message.



Extract Inverse Bending Curve Data



1. Click **Workshop Documents Extraction** .

The **Workshop Documents Extraction** dialog box appears.

2. In the PPR tree, select an initial marking and cutting activity of the shell shape for which you want to extract inverse bending curve data.

The selected activity is shown in the top half of the dialog box.

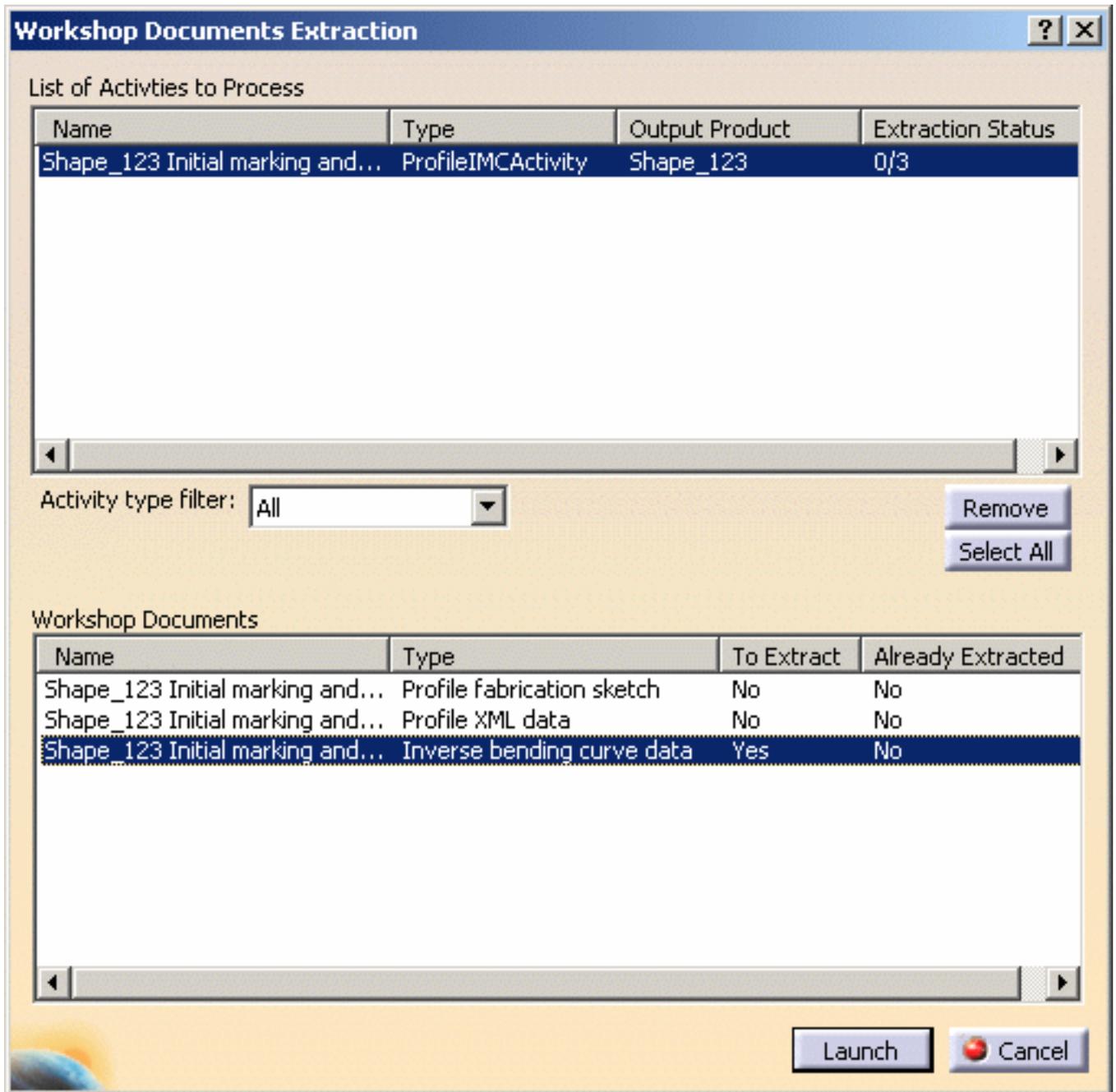
3. Select the activity.

All associated workshop documents are listed in the bottom half of the dialog box.

4. Click the **To Extract** column to indicate whether or not you want to extract the associated document:

Clicking this column switches the value from Yes to No and vice-versa.

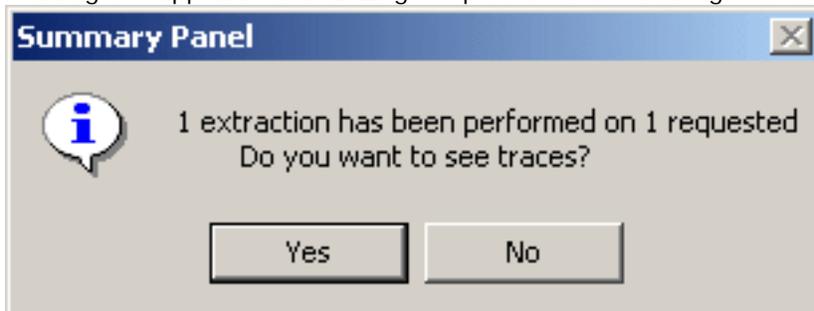
Set the **To Extract** column to Yes to extract inverse bending curve data only.



5. Click **Launch** when done.

Request file is generated and saved in the location identified in the project resource management (PRM) file (by default, workshop documents are saved in `C:\temp`, see [Managing Project Resources](#)).

A dialog box appears summarizing the process and indicating how successful or not it has been.



6. Click **No** to continue if the extraction was successful or **Yes** to see traces if needed.

7. Open the inverse bending curve data file you have just created.

When generating inverse bending curve (IBC) data, the command also generates and saves an XSL file at the same location as the XML file containing IBC data. This file contains a stylesheet to present IBC data in tabular form.

OS	UserName	Date
Windows_NT	atw	7/6/2005
Interim_Product	Activity_Name	Activity_Type
Shape_123	Shape_123 Initial marking and cutting activity.14	ProfileIMCActivity

Inverse Bending Curve Data Table

Maximum Sag = 1183.47

-----CurveID-----	-----MaxSagPointID-----	-----MaxSag-X-----	-----MaxSag-Y-----
1	MaxSag Point 1	980	335
2	MaxSag Point 2	3565	335
3	MaxSag Point 3	0	0

-----CurveID-----	-----PointID-----	-----X-Coord-----	-----Y-Coord-----
1	Point 1	0	189.421
1	Point 2	300	257.02
1	Point 3	600	310.231
1	Point 4	900	334.307
1	Point 5	1200	326.548
1	Point 6	1500	284.528
1	Point 7	1800	207.927
1	Point 8	2100	99.2928
1	Point 9	2314.88	5.00001
2	Point 1	1890.43	5.00048
2	Point 2	2100	90.2582

Extract Plate Distortion Data



1. Click **Workshop Documents Extraction**.

The **Workshop Documents Extraction** dialog box appears.

2. In the PPR tree, select the plate formation activity that includes the curve on which you have created [plate distortion data](#).

The selected activity is shown in the top half of the dialog box.

3. Select the activity.

All associated workshop documents are listed in the bottom half of the dialog box.

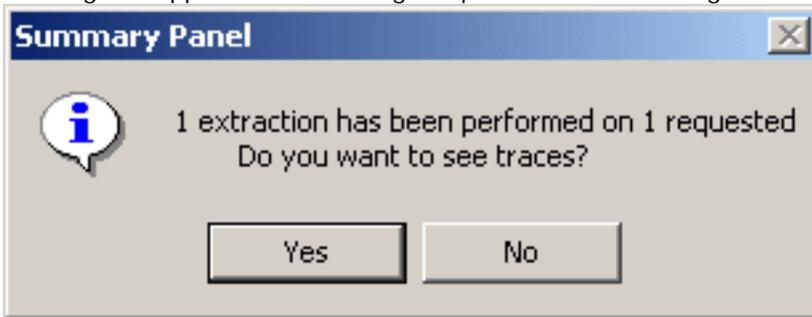
4. Click the **To Extract** column to indicate whether or not you want to extract the associated document:

Clicking this column switches the value from Yes to No and vice-versa.

5. Set the **To Extract** column to **Yes** to extract plate distortion data only and click **Launch** when done.

The requested file is generated and saved in the location identified in the project resource management (PRM) file (by default, workshop documents are saved in **C:\temp**. See [Managing Project Resources](#)).

A dialog box appears summarizing the process and indicating how successful it has been.



6. Click **No** to continue if the extraction was successful or **Yes** to see traces if needed.

7. Open the plate distortion XML data file you have just created.

When generating plate distortion data, the command also generates and saves an XSL file at the same location as the XML file containing data. This file contains a stylesheet to present IBC data in tabular form.

OS	UserName	Date		
Windows_XP	cjn	01/06/2011		
Interim_Product	Activity_Name	Activity_Type		
Flat_Shell_STB.1	PlateFormingOperation.1	PlateFormingActivity		
Distortion Information of Plate Edges and Diagonals				
Edge/Diagonal	2D Length	3D Length	Difference	%Difference
Fwd Trans Butt Edge	8897.866mm	8884.61mm	13.256mm	0.149202
Aft Trans Butt Edge	8844.027mm	8830.446mm	13.581mm	0.1538
Lower Longitudinal Seam	7508.585mm	7510mm	-1.415mm	-0.0188374
Upper Longitudinal Seam	7510.333mm	7510.285mm	0.048mm	0.000634171
Diagonal 1	11641.949mm	11632.066mm	9.883mm	0.0849598
Diagonal 2	11603.544mm	11593.465mm	10.08mm	0.0869438

