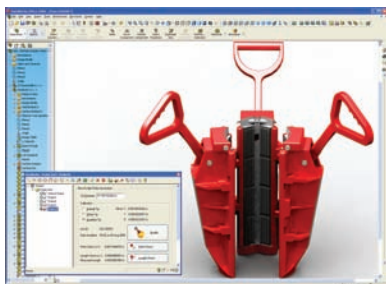


# RevWorks 6 Product Features

## Recapture Your Imagination

RevWorks™ 6 integrates with the leading portable 3D digitizers and CMM's to bring complete best-in-class reengineering capability to the SolidWorks® user. Statistical best-fitting technology creates geometries that offer the best possible solution for each feature. RevWorks 6 represents more than a decade of dedication to our customers.



### Sketch Tools

- 2D Tools
  - Points, lines, arcs, circle
  - Ellipse and tangent arc's
  - Splines and curves
  - Planes

- 3D Tools
  - Points, lines
  - Splines and curves
  - Planes
  - Surfaces

### Screen Mode

The new screen selection mode allows existing model data to be used in creating features, even mixing existing data with live data collections. Points may be selected, as well as feature mid points, centers, intersections, corners and even data in other sketches.

### ProbeManager™

Easily set up and calibrate multiple probes of many types and do probe checkouts to assess the validity of probe calibration before use.

- Auto probe offset
- Calibration verification
- Multiple probe sets
- MicroScribe calibration wizard

### AlignmentManager™

Create and manage a variety of interchangeable part coordinate systems to align your part within SolidWorks.

- Align your part to the SolidWorks origin and default planes.
- Create and manage multiple, reproducible part alignments.
- Switch between multiple alignments during a digitizing session.
- Create Leap Sets that allow you to maintain a single alignment coordinate system while moving your digitizer to various stations around a larger part.

### DirectSurf™

Create best-fit, smooth Nurbs surface patches directly from digitized point data. All you have to do is drag your digitizer probe across a part surface and DirectSurf creates a smooth surface patch and parametric 2D profiles.

### Measure Tools

Make a wide variety of measurements directly from your part using the handy direct measurement tools provided by RevWorks including depth, distance between points, circle radii and draft angles.

### SnapScan™

Create specific sectional planes through your part by limiting data collection to the points that fall within a set tolerance of a plane you set. Data is collected only when the digitizer probe crosses the collection plane. This allows the collection of profiles along a part surface where there are no edges to follow. With our unique mapping cursor, you can easily see where your probe is located and the path to the section even when there is no line on the actual part to follow.

### Status Indicators

Graphical indicators constantly report the status of the digitizing process and what features are active.

### Supported Devices

- MicroScribe - MX, G2 & DX
- Romer - Infinite, 3000i and Stinger
- Boulder Innovation Group - 3DCreator
- Faro - Serial & USB

### System Requirements

- Supported Digitizer
- Intel Pentium or AMD based processor
- Microsoft Windows XP, 2000
- SolidWorks 2005 or 2006
- 256 MB of RAM minimum
- CD ROM Drive
- Serial or USB port



# RevWorks 6 Supported Device Sampler

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### Desktop Solution

Immersion MicroScribe digitizers let you quickly construct detailed CAD models and accurate part inspections from the convenience of your desktop. The MicroScribe interface has been completely redesigned for RevWorks 6 and includes an all new calibration wizard that takes your MicroScribe to levels of accuracy never before achievable. Calibrate multiple probes and then switch between them quickly and easily to create your part models with unprecedented ease.

- MicroScribe G2 desktop digitizers are an economical, flexible choice for applications where the greatest accuracy is not needed such as packaging and casting.
- MicroScribe MX desktop digitizers are Immersion's flagship device and provide the highest accuracy of any desktop digitizer, up to 0.004".



### Large Volume Solution

Boulder Innovation Group 3DCreator digitizers are state-of-the-art unteathered digitizers that allow you to work around a part unencumbered by wires and linkages. Free movement and the ability to tackle small and large parts alike come at a very affordable price without sacrificing accuracy. With the capability of holding accuracy under 0.010" over a 6 foot volume, the 3DCreator is a great choice for a wide variety of modeling jobs.

- Wireless probe with rechargeable battery.
- Dynamic Reference Frame allows camera and probe to be moved freely.
- Interchangeable probe tips.
- All components fit into a single carry case.
- Available in 800 mm and 300 mm models.



### Highest Accuracy Solution

Romer/CimCore Infinite portable CMMs define the gold standard in articulated arm measurement devices. Romer devices are used when the utmost in accuracy is required for inspection and engineering. Romer's patented infinite rotation, quick change probes, and automatic probe detection set this device apart from all others. The new WiFi communications protocol and integrated battery provides a degree of mobility not matched by any device this accurate. Accurate to 0.0002 in and available in measurement ranges of 4 to 12 feet.

- Integrated wireless communication (WiFi 8.02.11b)
- Integrated Li-Ion battery for unteathered portability
- Profile Zero-G counterbalance that makes device handling easy and comfortable
- Integrated USB digital camera for probe-eye viewing
- Universal mounting system that reduces footprint and simplifies setup
- Light weight, durable carbon fiber shank probes

