AUTODESK® **POWERSHAPE®** 2018

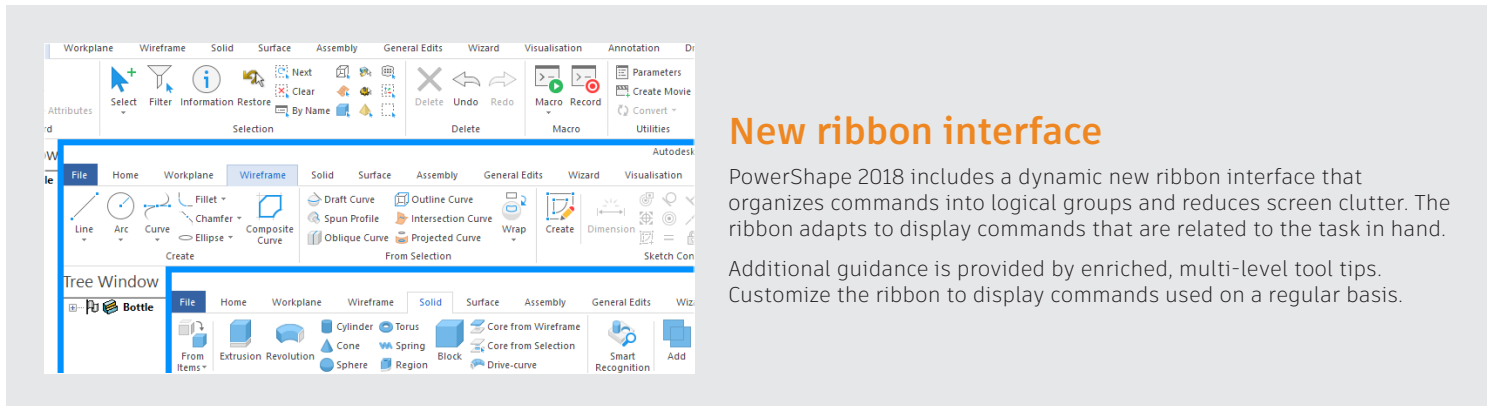**Preparing complex parts for manufacture**

Visit **www.powershape.com** to find out more.

What's new

PowerShape 2018 continues to offer modeling for manufacture tools to help prepare complex parts for manufacture with Autodesk CAM software.
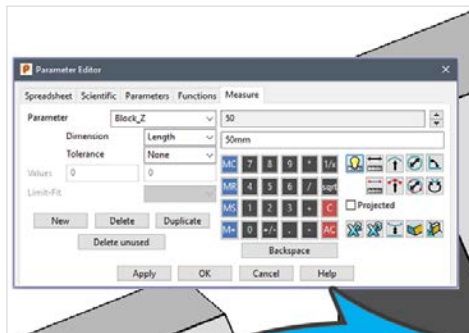
A radical new look and feel helps provide a consistent experience for users of PowerShape and other Autodesk software. PowerShape offers enhanced tools for mesh based modeling activities plus improvements to 2D wireframe sketching.
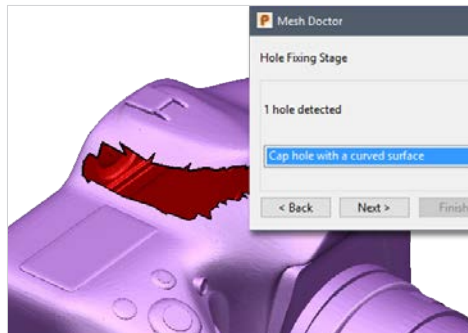

New ribbon interface

PowerShape 2018 includes a dynamic new ribbon interface that organizes commands into logical groups and reduces screen clutter. The ribbon adapts to display commands that are related to the task in hand.

Additional guidance is provided by enriched, multi-level tool tips. Customize the ribbon to display commands used on a regular basis.
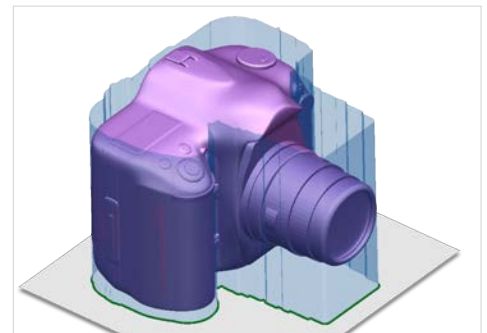

Sketch dimensions with parameters

PowerShape wireframe sketches can now take advantage of user defined parameters as well as absolute dimensions. Combine parameters with mathematical equations to improve wireframe modeling and drive parametric solid models.
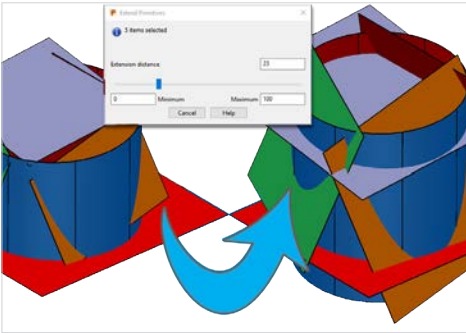
Mesh modeling improvements

Access an improved mesh repair toolkit to quickly identify and repair faults found in 3D meshes. Fix topological faults, duplicate vertices, impossible edges and intersecting triangles. Choose from a range of semi-automatic tools to prepare meshes for CNC machining or 3D printing. Improved selection and painting tools make it even easier to manipulate 3D meshes.
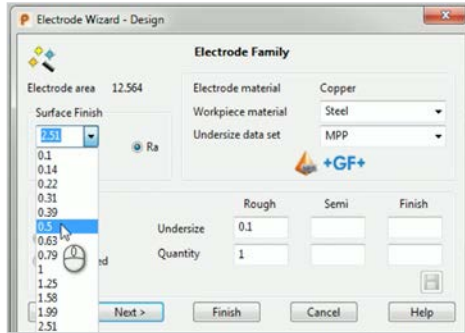
Mesh outline curve

Create outline curves of 3D meshes. Rapidly generate wireframe geometry representing the projected outline of a 3D mesh and use it to assist in the creation of surfaces and solids.

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Extend primitives

Extend multiple primitive surfaces and solids with a single command. Choose to extend by a user defined distance or use the dynamic slider. Combine with PowerShape "Mesh Segmentation" reverse engineering tools to help reduce the time taken to trim intersecting surfaces and solids.

New electrode exports

Interface with Georg Fischer's MPP (Multi-Process Preparation) software to better manage the EDM process. Automatically extract the correct spark gaps from the +GF+ database and apply them during CNC machining of electrodes for improved levels of spark finish and EDM accuracy.

> "The interaction between PowerMill and PowerShape has definitely streamlined our ability to manufacture molds. We can start making chips right away."
>
> – Shawn McNamara, Designer | Chicago Mold Engineering

Make Great Products

Autodesk manufacturing software helps you make better quality products, faster. Machine, print, inspect, and fabricate parts efficiently.

- Complete modular manufacturing solutions – CAM, additive, composites
- Manufacturing expertise to automate, optimize and integrate your manufacturing processes, in addition to your software
- Cloud-connected so you can collaborate and manufacture anytime, anywhere.

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