

# DriveWorksXpress

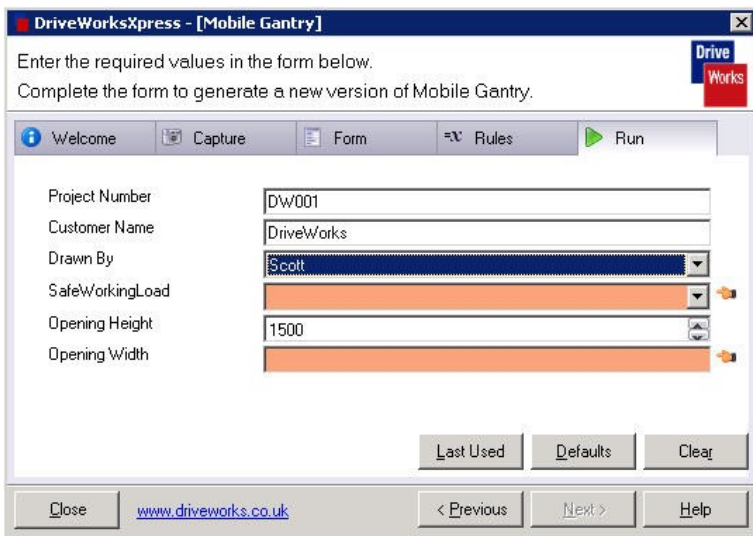


DriveWorksXpress – Design Automation for SolidWorks Engineers

## Launch from inside SolidWorks

**DriveWorksXpress - THE easy to use, rules-based Design Automation choice for SolidWorks**

**DriveWorksXpress** is the **easy to use** design automation inside SolidWorks that allows you to quickly and accurately create multiple variations of your SolidWorks parts, assemblies and drawings.



**Automation with DriveWorksXpress is easy. SET UP and then RUN over and over again**

### SET UP

1. Use your **SolidWorks** master assembly as the starting point to create customer specific variations
2. Capture parameters and assign rules in **DriveWorksXpress** to determine new outputs
3. Create a form in **DriveWorksXpress** so you can enter the new requirements

### RUN

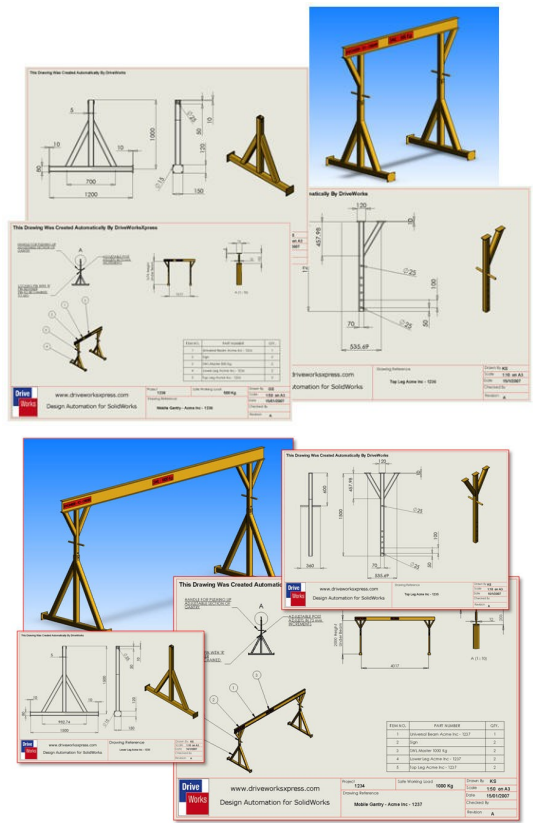
**Run DriveWorksXpress** again and again to produce new sets of parts, assemblies and drawings quickly and accurately

**NEW variations generated quickly and easily Based on YOUR rules**

### Key Benefits:

- Capture and re-use design knowledge
- Incorporate design rules to minimize errors and the cost of manual mistakes
- Automate repetitive tasks to dramatically reduce design time when specifying new variants
- Liberate design engineers from repetitive tasks to concentrate on new and special designs

**Scaleable upgrade path from DriveWorksXpress to DriveWorks**



<b>DriveWorksXpress and DriveWorks Functionality Comparison</b>	<b>Xpress</b>	<b>Drive Works</b>
<b>SCALE-ABILITY</b>		
Underlying database - Access	✓	✓
Scale database from Access > SQL		✓
Single User	✓	✓
Add multiple User(s)		✓
Add External User(s) - Web		✓
Create more than one model set per project		✓
Plug ins (eg for PDM integration etc)		✓
Remote (Unattended) Document Generation		✓
Project Hierarchy (Sub Projects/multi-line contracts)		✓
<b>CONTROLLING SOLIDWORKS PART AND ASSEMBLIES</b>		
Control Dimensions, Features and Custom Properties	✓	✓
Control Instances, allows the swapping of files for alternatives		✓
Automatically save out alternative file formats		✓
Run SolidWorks Macros automatically		✓
Control Hole Wizard Features		✓
Create a rule for new file names	✓	✓
Create a rule for file paths		✓
<b>CONTROLLING SOLIDWORKS DRAWINGS</b>		
Create a new drawing for each part, assembly	✓	✓
Create <b>multiple</b> drawings for each part, assembly		✓
Control Scale, View Positions, View Scales and Layers		✓
Control Annotations, (e.g. weld symbols, geometric tolerances)		✓
<b>FORMS/USER INTERFACE</b>		
Create single linear input form with basic controls	✓	✓
Design <b>multiple</b> customizable forms with navigation based on rules		✓
Incorporate advanced dynamic form controls		✓
<b>WORKING WITH DATA</b>		
Perform look ups/calculations on external data (eg databases/spreadsheets)		✓
Pass data to company systems		✓
<b>CREATING AND MANAGING RULES</b>		
Create rules using rules wizard	✓	✓
Rule breakdown and analysis for easy validation and de-bugging		✓
Use Tables, Constants and Variables (Rule re-use)		✓
Rule Revisioning		✓
<b>DRIVING AND GENERATING OTHER DOCUMENTS</b>		
Excel, Word, XML, PDF, Text, HTML		✓
<b>OTHER</b>		
What if scenarios (Test Specification)		✓
On screen reporting	✓	✓
Progress and status reports (release report, model generation report)		✓