POWERFUL TOOL DESIGN SOLUTIONS

EASY + QUICK + FLEXIBLE + ACCURATE + FAST STRIP LAYOUT + POWERFUL UNFOLD + 3D COMMUNICATION + COMPLETE TOOL DETAILING + PRODUCTION-READY-LIBRARY + SMART FEATURE RECOGNITION + HIGH ASSEMBLY PERFORMANCE =

POWERFUL TOOL DESIGN SOLUTIONS

by 3D QuickTools
**Unfold**

- Coining
- Copy forming steps
- Export Face with SOLIDWORKS® annotation
- Extract identical features
- Generation of blank shape and layout
- Handle deformed features, bends & bend allowance
- Hem unfolding
- Hole cluster
- Multiple thickness part
- Organized unfolding manager
- Powerful modeling functions
- Special modeling tools for cleaning data
- Strong automatic metal feature recognition
- Support automatic un-flange
- Support multiple step unfolding
- Supports design for manufacture
- Supports different bend conditions
- Unfold bend corners
- Unfold to initial blank surface
- User-defined feature

**Strip Layout**

- Annotation feature
- Centre of force calculation
- Clone internal notching to identical holes
- Deep draw calculator
- Display enhancement
- Edit Swap Face
- Export to Excel® for costing
- Feature renaming
- Features Group
- Instant 3D feedback
- Intelligent strip layout with automatic associative properties
- Mirror unfold part
- Nesting supports multiple parts
- Scrap design
- Springback
- Stock optimization
- Strip components for patterned feature
- Strips for unlike parts
- Support drag & drop
- Support insert/delete stations
- Swap Part
- WYSIWYG blank positioning
Dieset

Assembly drawing generation
Auto creation of cutting & bending punches
Automatic BOM & QuickDrawing
Automatic component insert & hole creation
Auto-ordinate dimensioning
Bending punch preview
Change over tooling
Component grouping
Compound opening
Concurrent design environment
Create cutting punch
Die inserts
Easy customization without programming
Edit hole table

Export face in user defined component
Fast automatic cavity creation
Fast update
Interference detection
Link Manager
Production-Ready-Library
Punch design utilities
Punch features are fully editable
Quick standard component insert
Quick start die design optimized for stage and transfer tools
Relief cut function
Report generation
Round punch for ob-round hole

Shoulder/Slot tool
Simulation of die mechanism
Sort balloon
Standard & user definable components without programming
Standard catalog components
Structured die set assembly
Support compound die and transfer die
tools for component placement
tools for modifying die set structure
Translate components in polar direction
User definable databases
User defined punch
User interface to adjust die set center

Drawing & Manufacturing

Advanced file property for drawing
Design to manufacturing integration
Edge annotation
Hole callout
Section line
Sketch Tools
Support wirecut machining
Versatile hole table

TOOL DESIGN SOLUTIONS

www.3dquicktools.com