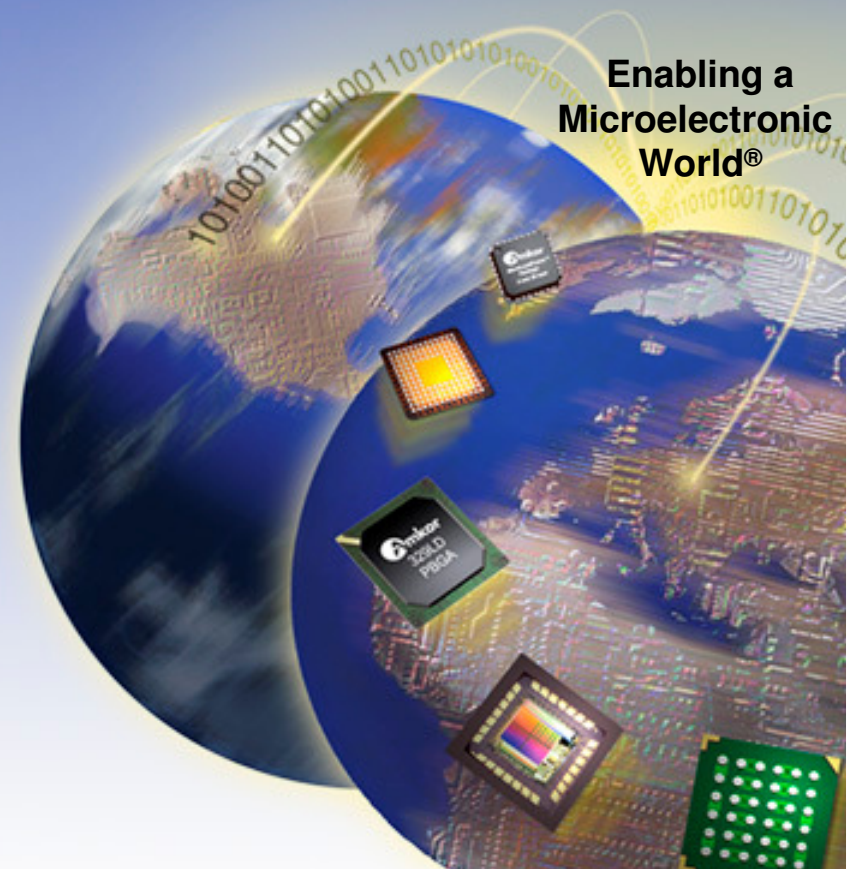


MCP AND 3D PACKAGE DESIGN

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CONTENTS



UPD Powerful Function



Sample Design



3D Viewer



Summary

□ Useful Function

1. BF and Wire

BF and Wire creation is the most powerful function on UPD, designer can create and modify BF and wires easily and quickly

2. Routing

Basic routing function can connect trace fast and enable to route trace and place vias at tight area

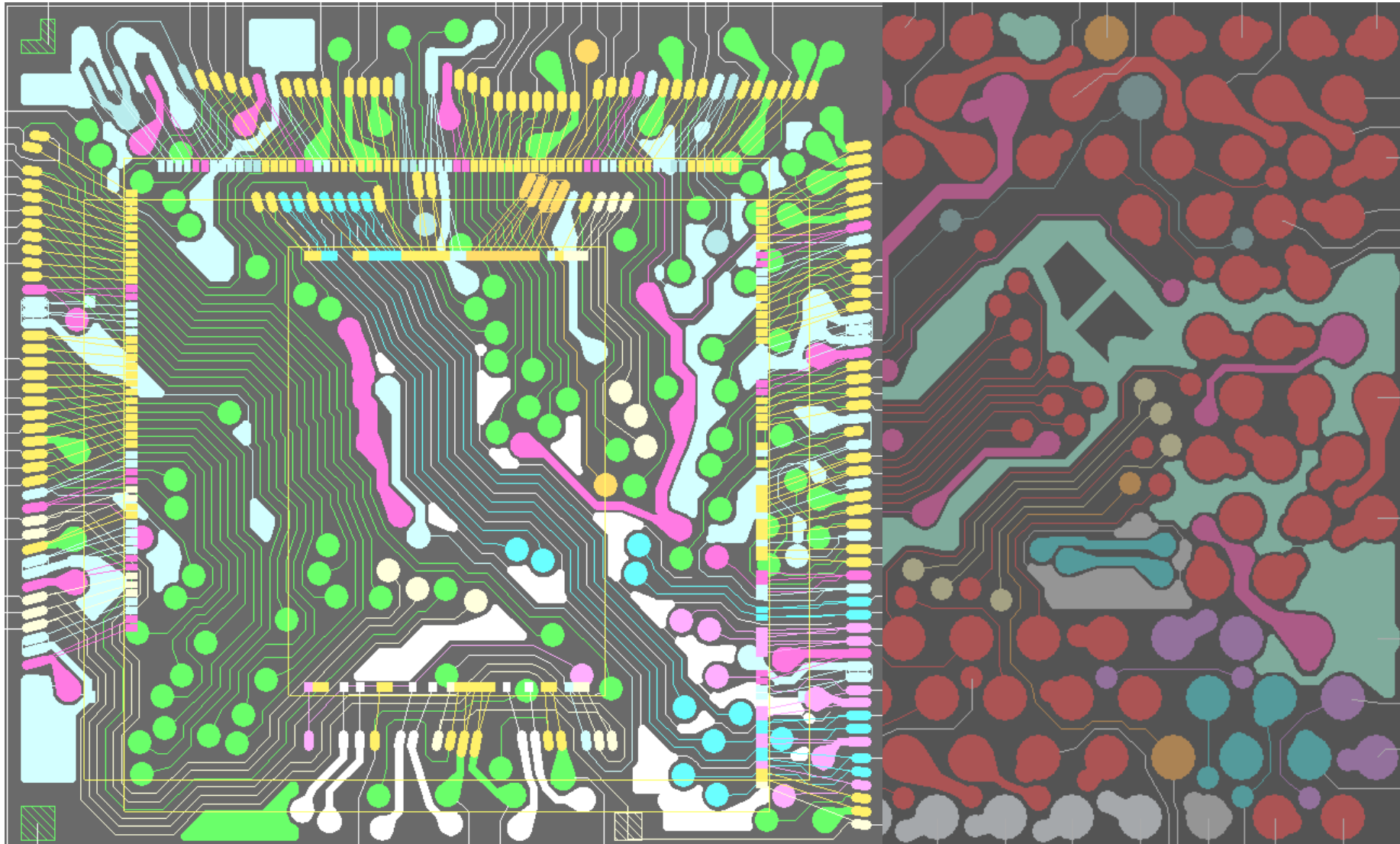
3. Metal

Easy to create and modify metals as designer want
Can create various metal type and shape

4. Others

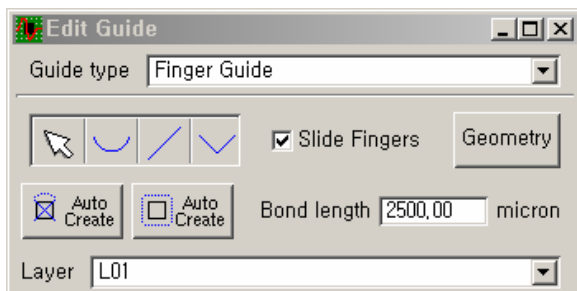
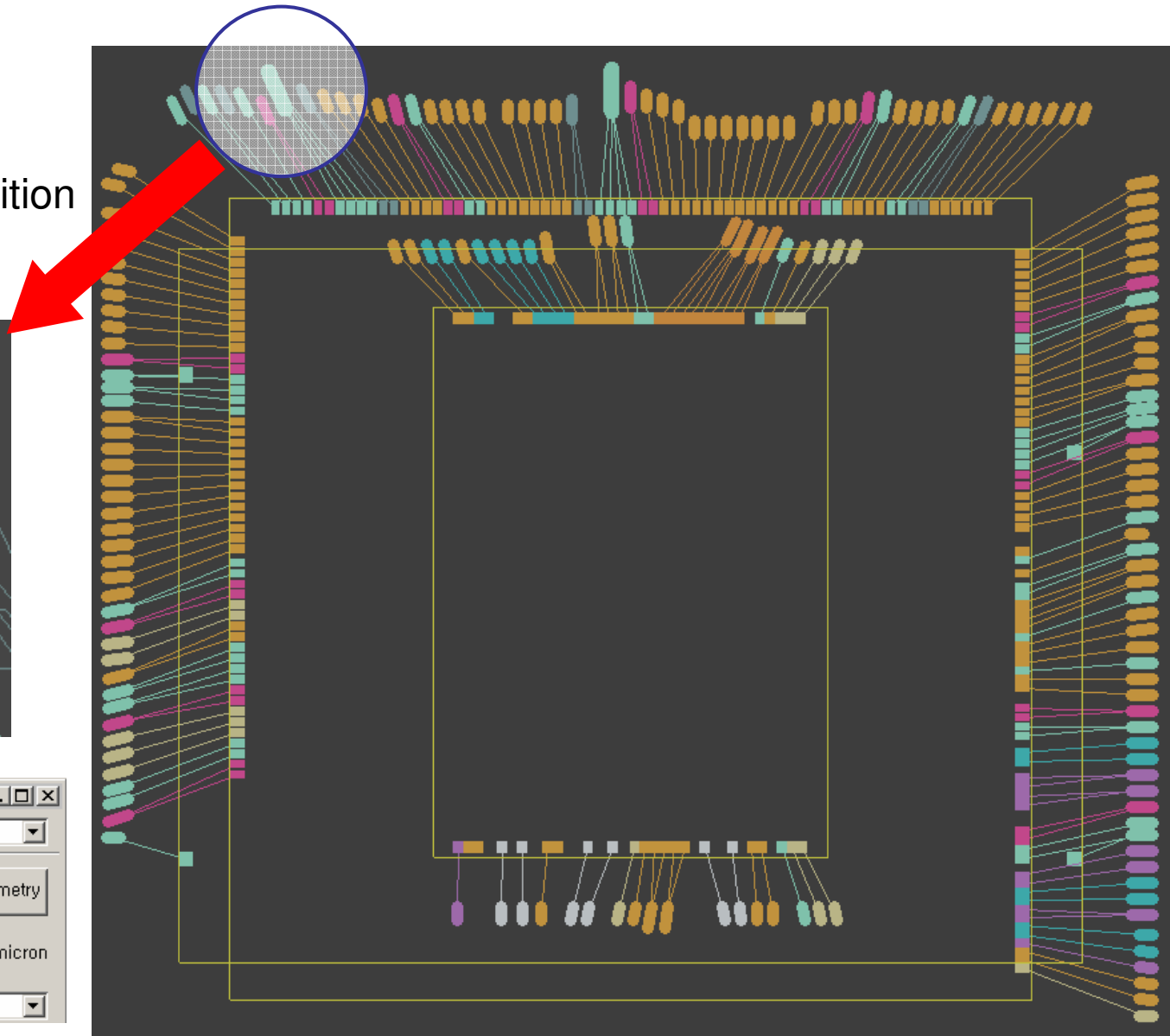
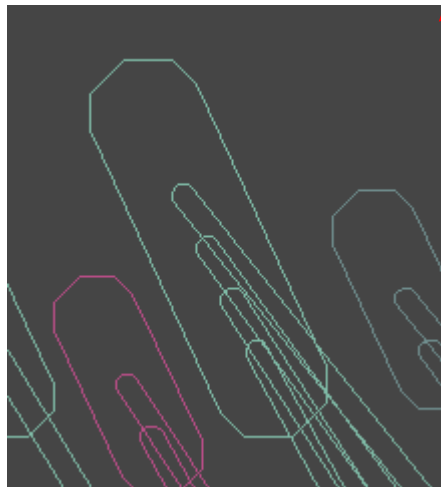
Same net clearance, various type of trace (Signal, plating, plating bar, etchback)
Net class, 3D viewer and check

□ Sample Design



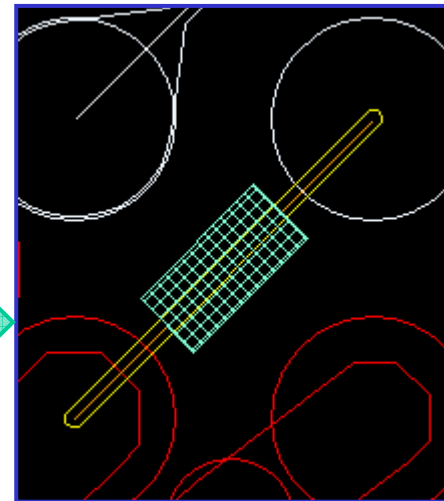
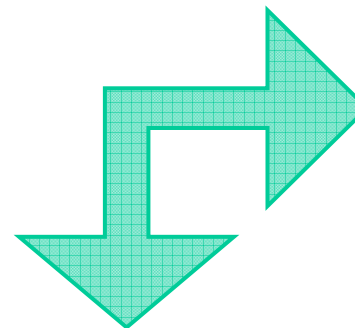
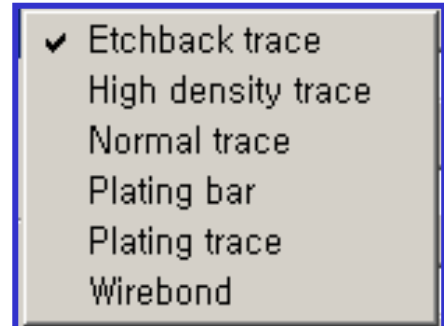
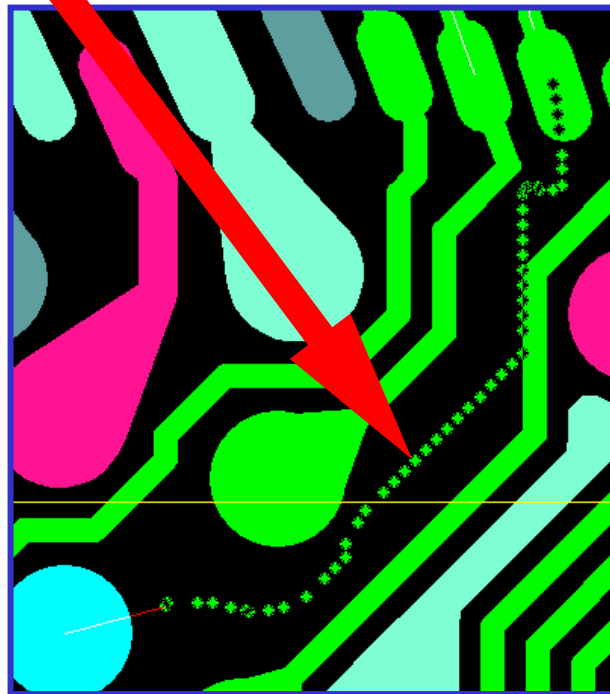
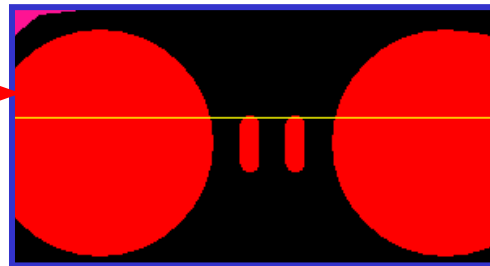
- **BF and Wire**

- BF angle
- BF guide line
- Stitch Bond position



• Routing

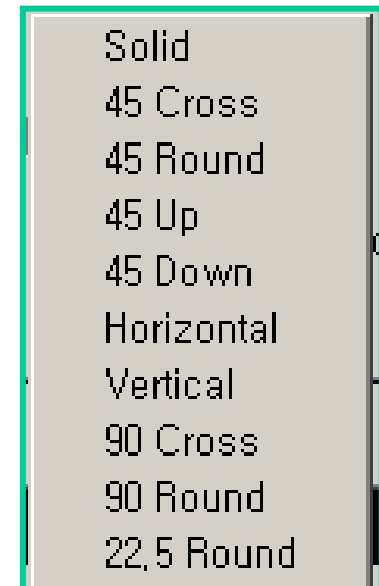
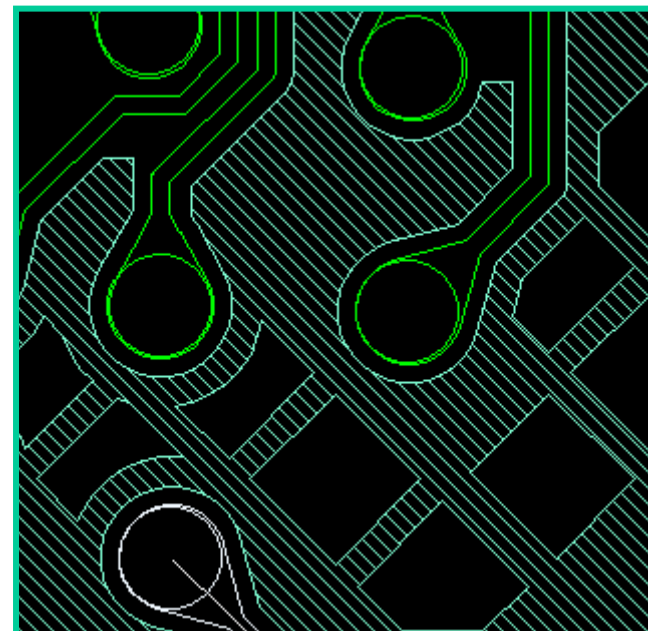
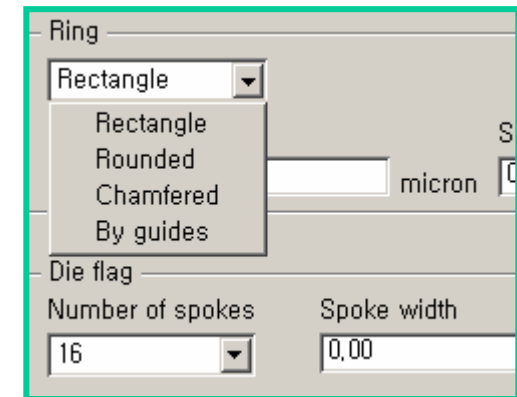
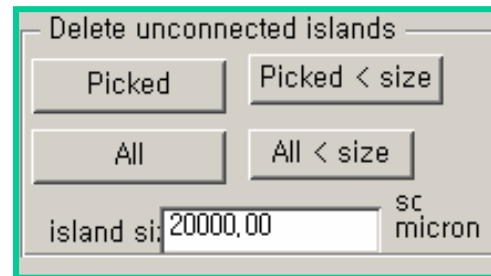
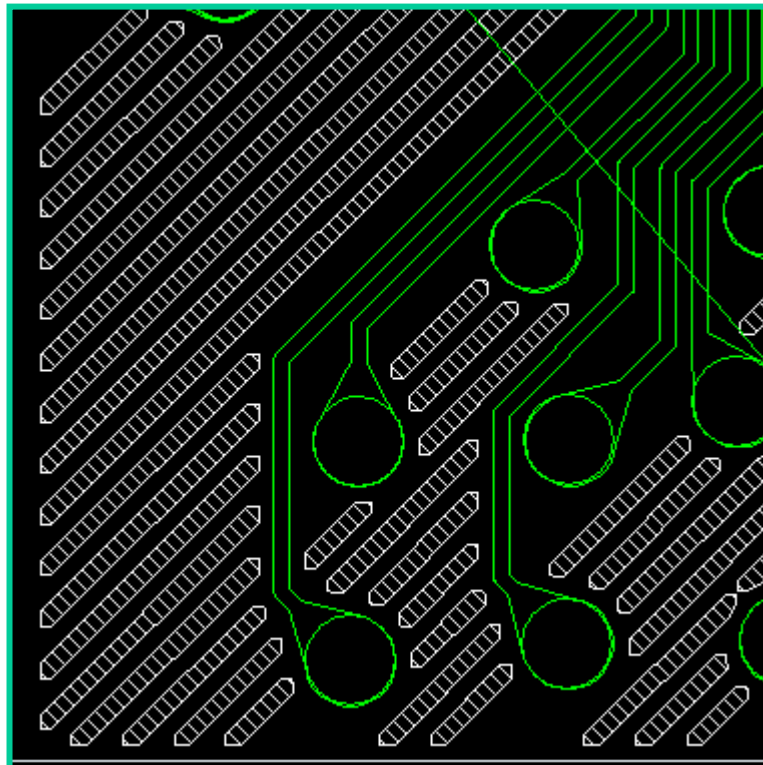
- Routing Guide
- Add stub
- Automatic Etchback creation
- Various trace type



Etchback parameters		
Width	Trace Keepout	Mask to metal
<input type="text" value="50.00"/> micron	<input type="text" value="75.00"/> micron	<input type="text" value="100.00"/> micron
Oversize	Pad Keepout	Mask to pad
<input type="text" value="75.00"/> micron	<input type="text" value="75.00"/> micron	<input type="text" value="100.00"/> micron
Mask Radius	<input type="text" value="Recommend"/>	Mask min feature
<input type="text" value="0.00"/> micron		<input type="text" value="50.00"/> micron

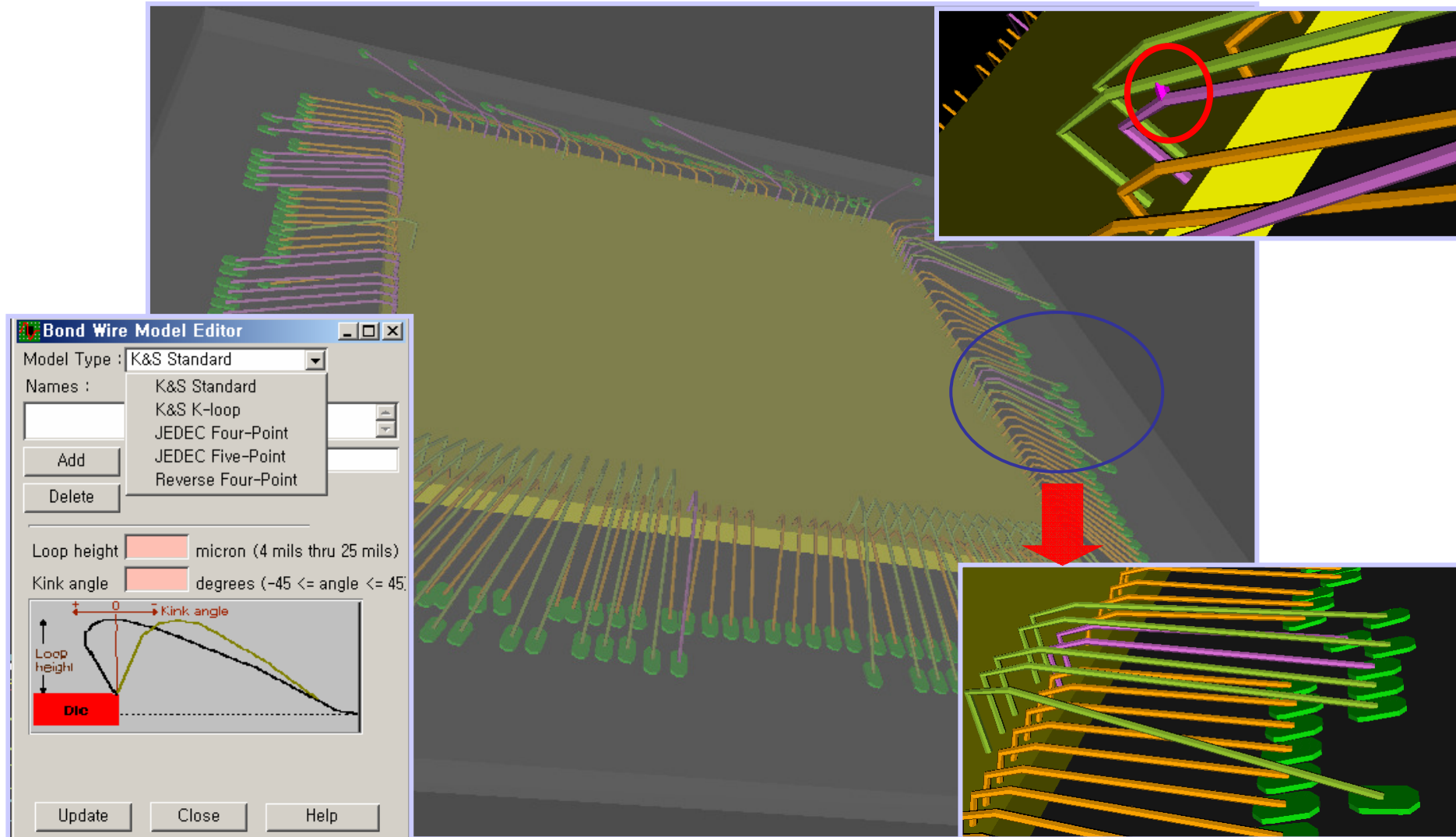
- **Metal**

- Various metal and mesh shape
- Easy and fast creation and modification
- Automatically fill small mesh space
- Powerful ring creation (Various ring shape)



- **3D Wire Bond**

- Easy to see 3D wire
- Can check 3D wire rule (Wire to wire, wire to component)



□ SUMMARY

1. Easy

User friend interface and easy to learn most of function
Beginner can reach high level user quickly

2. Fast

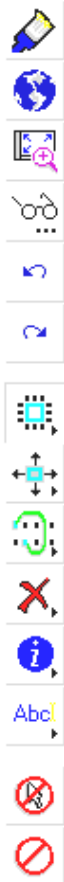
Basic routing and BF creation functions can support fast routing
Various hotkey can speed up the design and reduce the fatigue of wrists

3. Simple

UPD is specified package design, so there is no unnecessary function
Simple functions improve design tool speed.

4. Service

Almost real time support for technical and service support in Sigrity and CMS
Even if there is minor issue and question, UPD engineer figure out or feed back
within 24 hours)



Top Add Push-Shove Partition Colors NightVision Vis

Command : x : -8637,70 y : 2182,81 units : micron

NOTE: Reading C:\Sigrity\UPD\config\wb_models.cfg...
NOTE: Building geometrical index of objects...
NOTE: Created blank design : untitled_design1
NOTE: Reading object field names from C:\Sigrity\UPD\config\username.cfg
NOTE: Reading object field names from C:\Sigrity\UPD\config\tooltip.cfg