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Ways to Render out of AutoCAD:

- Export to BMP from within AutoCAD (Quick but not the best quality)
- Use the Windows "Snipping Tool" and save out as a PNG. (Quick but not any better.)
- USE ME:
 - Set FACETRES = 10
 - Apply Materials through the palette "Materials"
 - Left click and drag for one continuous material across the whole part or
 - Hold "CTRL" and left click and drag for specific faces
 - Note: Background color does not matter if you are rendering out with an Alpha channel
 - Application Menu / Options / Display Tab / Colors Button / Color in top right
 - Go to "RENDEREXPOSURE"
 - Set "Environment" to ON and play with settings.
 - Go to "RENDERPRESETS"
 - Render Size = 1920 x 1080
 - Preset Medium = 10 seconds
 - Preset High = 5 minutes
 - Save out as a PNG:
 - 32 Bits (24 Bits + Alpha)
 - DPI = 150

Ways to Render out of Inventor:

- Open the file you want to have an image of and zoom in to fill your screen:
 - File, "Save As", "Save Copy As" (use the PNG option)
 - o Before saving out, choose "Option" in bottom right
 - o Change Pixels X and Y to 1920 x 1080 respectively
 - Check on both checkboxes
 - Note: this is quick and does a decent job but will not give you the best overall
- Use the Windows "Snipping Tool" and save out as a PNG. (worst option)
- Use this for the best quality:

- o Go to the "Environments" tab, choose "Inventor Studio"
- Click on "Render Image"
 - On General tab:
 - Change width and height to 1920 x 1080
 - Leave Camera to "Current View"
 - Choose the Lighting Style you want
 - On Output tab:
 - Click the checkbox for "Save"
 - Choose the folder location
 - Save as a PNG
 - Click on "Options" in bottom right
 - Set DPI to 150 for web (300 for printing)
 - Check on "Alpha Channel"
 - On Renderer Tab
 - Set "Render by Interation" to 32
 - Lighting and Material Accuracy to "High"
 - Image Filtering to "Guassian" at 3
- For Presentation Views:
 - o Go to the View tab
 - Change Visual Style to "Realistic"
 - Adjust the Appearance Panel as you wish. I had good luck with the following settings:
 - Set "Ray Tracing" On
 - "Photo booth" for lighting
 - Disable Ground Plane
 - Disable Reflections
 - Disable Ground Shadows
 - o Go to Presentation Tab, choose "Raster" on the publish panel
 - Set Image Resolution to 1920 x 1080
 - Set Resolution to 150
 - Choose a file location
 - File format to PNG
 - Check on "Transparent Background"

How to remove background from image in Photoshop:

- Select the layer you want to work with
- Use Magic Wand ("w")
 - o Settings:
 - Tolerance = 1
 - Turn "Sample all layers" off
 - Turn "Contiguous" On
 - Keep "Anti-Alias" On
 - o Left Click on the background
 - Select / Inverse (Shift + Ctrl + I)
 - Select / Modify / Contract = 1 Pixel
 - o Add "Layer Mask" to layer