**Standard Operating Procedure for Vacuum Former in the Prototyping Lab at GIX**

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| **TOPIC** | **PROCEDURES** |
| **1. Process** | Vacuum forming |
| **2. Equipment** | NewForm 16:16 Vacuum Former |
| **3. Personal Protective Equipment (PPE)** | Heat resistant gloves |
| **4. Environmental /**  **Ventilation controls** | Ensure equipment is secure so it doesn’t move when in use.  Lock the casters the vacuum former is on. |
| **5. Required training or approval** | * Review and observe [general safety practices](https://www.ehs.washington.edu/system/files/resources/staying-safe-shops-poster.pdf). * Refer to the manufacturer’s operating manual for all operating procedures. * Vacuum former training from Prototyping Lab staff. |
| **6. Inspection requirements before use** | **Make sure the power cable is rated for 15 amps.**  Keep any flammables away from the heating element. |
| **7. Safe operating procedures or precautions** | Do not leave the vacuum former on and unattended.  Turn off vacuum former and remove power cable when done.  **Treat any bare steel as if it is hot, in particular, the place the heating elements sits while loading the vacuum former is always hot.**  Only use with HIPS unless authorized by Prototyping Lab staff.  For best results using 3D printed bucks, slice with walls of at least 3mm thick. |
| **8. Waste cleanup** | None |
| **9. Emergency response and accident reporting** | In case of emergency, dial 9-1-1.  Report any accidents, injuries, or near miss events using [UW’s Online Accident Reporting System (OARS) at](https://oars.ehs.washington.edu/)oars.ehs.washington.edu. |

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**Signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Date**: