

Reviews

By	Date
_____	_____
_____	_____
_____	_____

Standard Operating Procedure

EQUIPMENT: ***Buehler Ecomet/Automet2/Ecomet Combination***

SIGNIFICANT SAFETY PRECAUTIONS: **Machine has pinch points and high temperatures. Take precautions to avoid injury, including safety glasses.**

APPROVED BY: _____ DATE: _____

PREPARED BY: Xun Zhan DATE: 10/27/2012

JOB STEPS

SAFETY KEY POINTS

- 1 Positioning the sample into the sample holder. Central force sample holder is used. The samples are positioned with centrosymmetry.
- 2 Positioning the autohead. The autohead may be swiveled over the platen for semi-automatic use, or swiveled away from the platen for manual operation. To move the autohead loosen the head locking handle on the side then swivel the autohead as needed.
- 3 Attaching and Securing sample holder. The holder is attached to the autohead via the quick release lift lock chuck. Raise the outer sleeve of the lift lock chuck and insert the sample holder. Rotate as needed to ensure the holder is locked into place. Allow the outer sleeve to lower.
- 4 Manual Operation. Two Ecomet equipments can be used for manual operation. Turn on the polisher and press speed button to set the rotation speed of the plate; press water button when water is needed.
- 5 Semi-Automatic operation. Automet 2 is used for semiautomatic operation. Turn on the polisher. Before starting your polishing/grinding process, the program needs to be input into the controller. Program parameters are: Time, Speed, Fluid, Head rotation, Force. After setting these parameters, run this program.
- 6 Turn off the polisher and remove the sample. When you finished polishing, remember to turn off the polishers and detach the autohead and the sample holder, and then remove the sample from the sample holder.

Personal Protective Equipment (PPE) Hazard Assessment Certification

I _____ hereby certify that on ___/___/___ a
Name of Managers
hazards assessment of area _____ was performed for
the purpose of specifying **P**ersonal **P**rotective **E**quipment (**PPE**). I
also
certify that the following employees received and understood training
regarding **PPE** requirements for this area.

(Please Print)

Name: _____
Xun Zhan

Name: _____

Name: _____
Name of Managers

Signature: _____

Title: _____

Date: _____