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WORKSHEET NO: 12

LESSON NOTES:

Subject: Applied Technology	Year/Level: 11
Topic: <u>Buffer</u>	Date: 16/08/21

LESSON NOTES:

Buffer:

Buffing and polishing using wheels and 'compounds' is somewhat like using wet and dry sanding paper, only much faster. Instead of using 'elbow grease' you will be using the power and speed of an electric motor.

The edge, or face, of the wheel is the 'sanding block', which carries a thin layer of 'compound' which is the sandpaper. Varying types of wheel are available, and the different grades of compound are scaled similar to sandpaper. The compounds are made from a wax substance which has the different abrasive powders added to it. When this hard block is applied to the edge of a spinning buffing wheel, the heat from the friction melts the wax, and both wax and abrasive are applied in a thin slick to the face of the wheel.



Safety:

Basic safety rules should be followed when using the polishing/buffing machine.

1. Always wear goggles - small pieces of mop and polish will fly out of the machine whilst it is being used. Goggles will prevent damage to eyes.
2. Always wear an apron or overall. These will hold back loose clothing. For example, a tie could easily be caught by the rotating mop, this would pull the machine operator into the polisher. This would result in a very dangerous and possibly fatal accident.

3. Always apply the work to the lower portion of the mop, never the top.
4. Never allow the top edge of the work to be caught by the mop.
5. Always be ready to use the foot stop (emergency stop button). Have your foot ready to press it if necessary.
6. Although the buffing machine has two mops that rotate at the same time. The machine can only be operated by one person.

STUDENTS ACTIVITY:

1. Explain the process carried out when using this machine (Buffer).

2. Why do we use eye goggles when operating this machine (Buffer)?

3. How many mop is available in a buffing machine?

Reference:

Year 11 Applied Technology Textbook, MEHA.