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Tooling

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| **Across****2.** The type of borring bit used on the CNC.**3.** A carbide CNC bit that direct the cutting forces to the center of the workpiece from both sides of the piece, leaving both sides with clean edges. **4.** a gold or orange brad point boring bit rotates\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**10.** A black brad point boring bit rotates\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**13.** 2 knives on the same head must weigh the same to ensure the tool is \_\_\_\_\_\_\_\_\_\_\_\_\_\_..**16.** Tool diameter affects knife mark depth, The greater the \_\_\_\_\_\_\_\_\_\_\_\_\_head , the shallower the knife mark depth.**18.** The cutting of one piece into 2 or more pieces is called?**19.** To increase KMPI you must increase the spindle RPM, Increase the # of knives and \_\_\_\_\_\_\_\_the feed rate.**21.** wear resistance has to do with 2 things, 1 is hardness the other is?**25.** Tooling that is not good for heavy workloads but used when quick and accurate change overs are necessary.**28.** What is the example for hard but not tough?**29.** Sawblade required when primarily cutting against the grain.**30.** On circular saw blades, what does the abbreviation TCG stand for?**32.** Cutting with the rotation of the bit.**33.** The space left when grooving a piece of material.**34.** What is the example for tough but not havd? | **Down****1.** Router and boring bits have \_\_\_\_\_\_\_\_\_\_\_\_ speed (rpm) limits.**5.** On circular saw blades, what does the abbreviation ATB stand for?**6.** A carbide CNC bit that has a spiral that directs cutting forces toward the workpiece from the top side**7.** \_\_\_\_\_\_cutting tools are very resistant to corrosion. **8.** On a sawblade, is used for heat control**9.** There are three categories of wood machining. Sawing, Boring and...**11.** Shallow dents or depressions in the surface caused by inadequate dust extraction are?**12.** The drilling of a hole into or through material**14.** Sawblade required when primarily cutting with the grain.**15.** Hardwoods require a \_\_\_\_\_\_\_\_\_\_ rake angle than softwoods **17.** The S4Sing of material into a certain thickness and width**20.** The most dangerous part on a cutterhead as it rotates because it cannot be seen.**22.** A tool material that is brittle is likely to be...**23.** A large, thick washer used to reinforce a saw blade is called a**24.** What type of blade is used on a radial arm saw for safety reasons?**26.** \_\_\_\_\_\_\_\_\_\_-tipped tools are capable of very heavy workloads.**27.** A carbide CNC bit that has a spiral that cuts/shears toward the tool holder.**31.** On a saw blade that is used for chip extraction |