

Diamond Z

Down Cut Mill Advantages

- ❖ Solid anvil cutter bar on the floor, not overhead, which is much safer ergonomically when changing wear plates and cutter bars
- ❖ With the cutter bar on the floor, it allows a much stronger support for grinding against. Steel on steel-built on the framework of the grinder,
- ❖ Material is going in the same direction as Phase I belt- Less Horsepower used by not changing direction of the material going out the Phase I belt
- ❖ Material has less distance to screens and less total distance to travel-Less horsepower used
- ❖ Better shearing action, due to angle of mill to cutter bar
- ❖ Not fighting gravity to shear the wood-All the power of the mill is used to grind the wood, not lifting the wood up to the cutter bar
- ❖ Less thrown material-due to direction of the mill in relationship to the crush roller
- ❖ Mill is not fighting against the feed roller as a leverage point, which on an up cut mill machine will result in accelerated wear of the feed floor and feed chain when grinding longer lengths of wood
- ❖ Less bumping and bouncing of wood, because the wood is held down by gravity and the feed roller-quieter operation
- ❖ Worker safety is greatly enhanced due to the fact that the feed roller rotates completely up and over center to allow the servicing technician to stand up to do maintenance tasks (Changing screens and tips)