

Fig 1 Adjustment of shear and approach angle of blade for cutting of straw bunch.

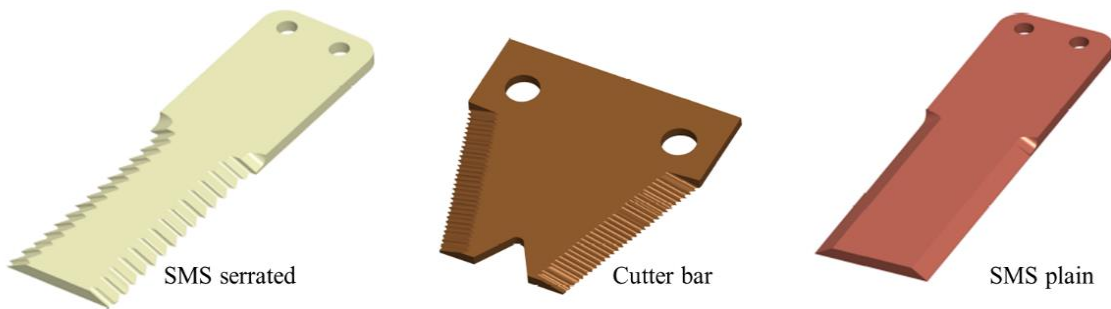


Fig. CAD geometry of different blades

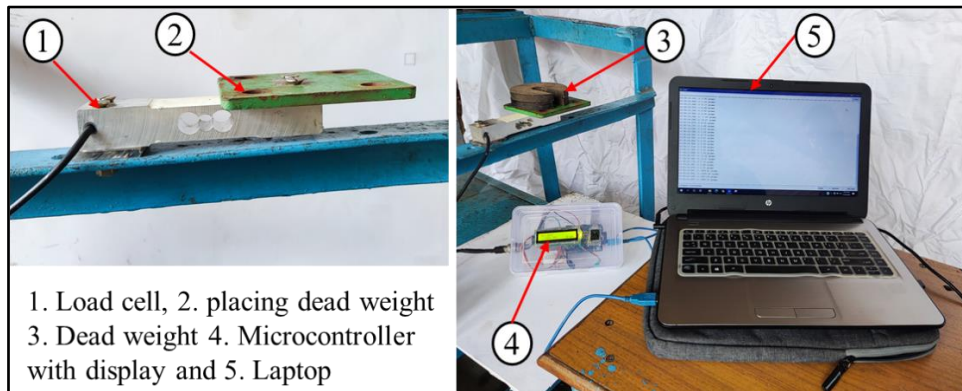


Fig 2 Calibration setup of load cell.

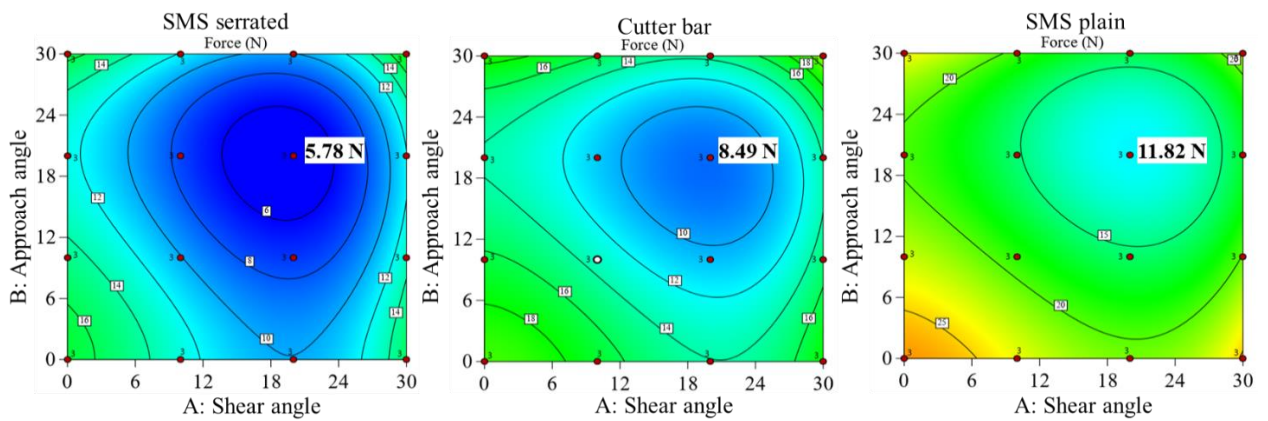


Fig 3 Contour plot representing interaction effect of approach angle and shear angle on cutting force a) SMS serrated b) Cutter bar and c) SMS plain blade.