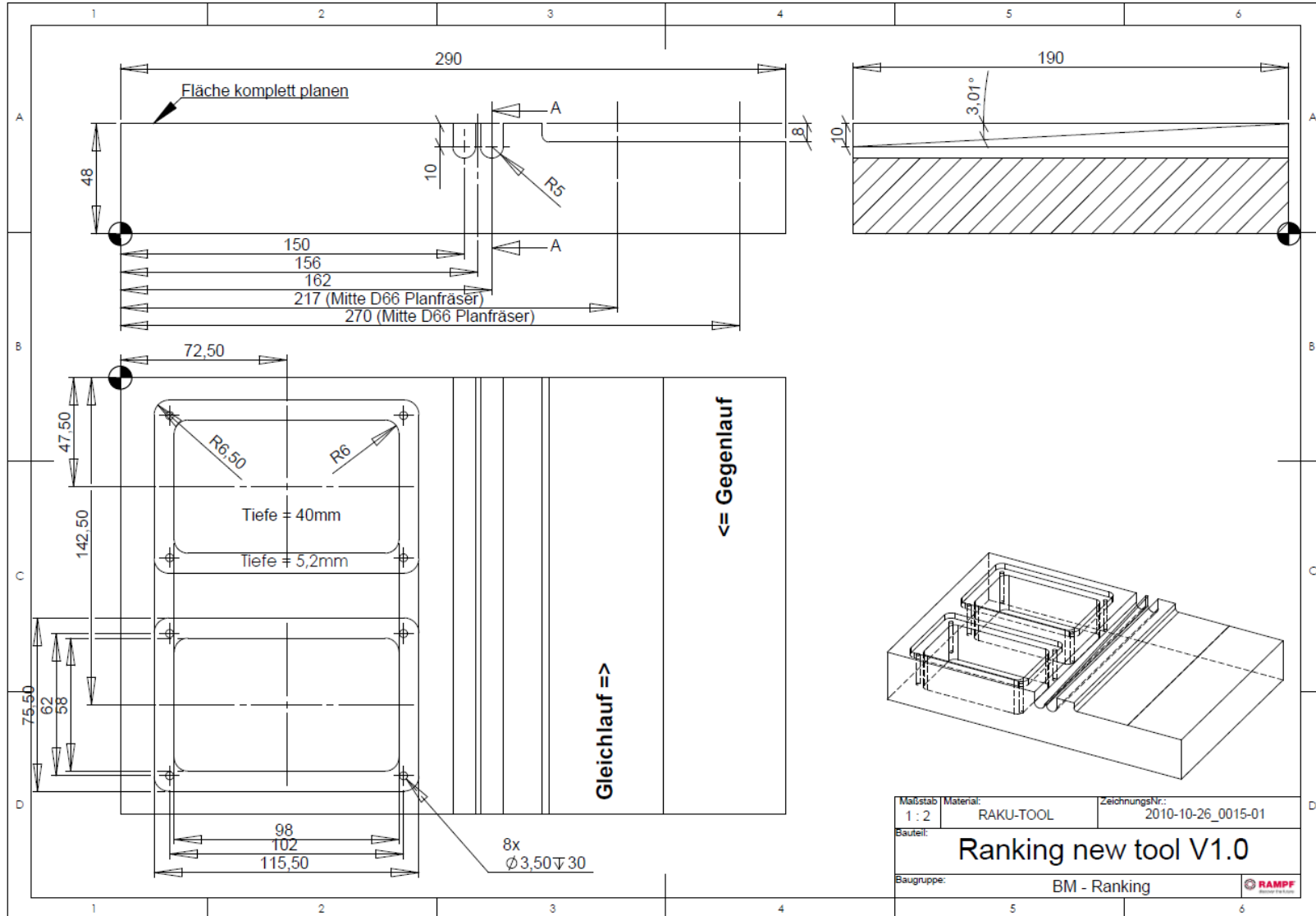


Comparison Wood to Board Material

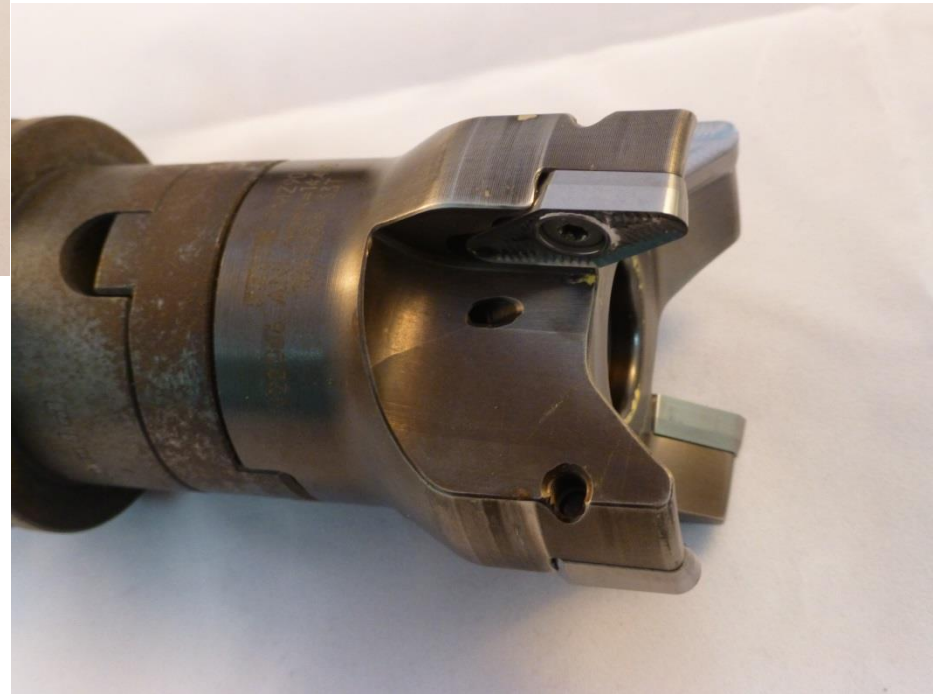


Sample milling



Fräskopf: FMZ90 V22.052AN-I

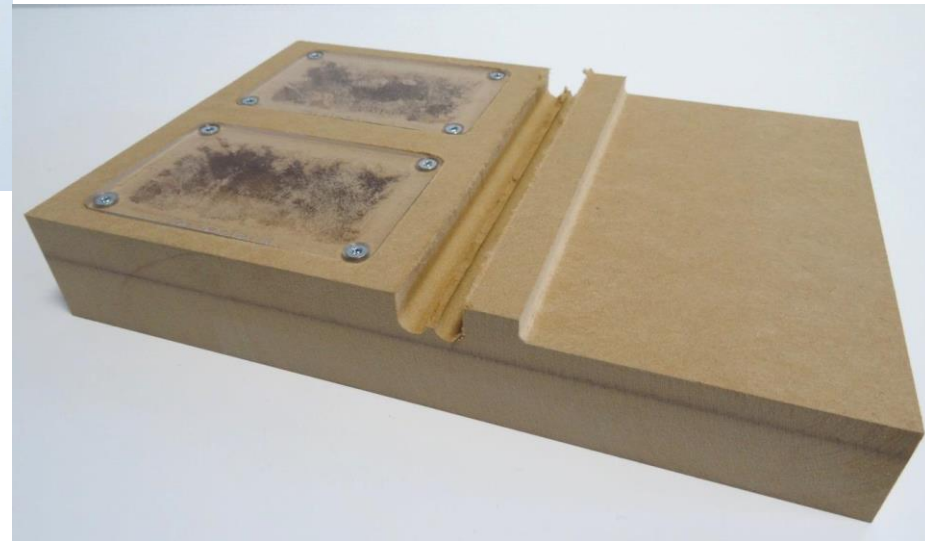
Wendeschnidplatten: VCGT220530-ALM



HSSE Radius-Schaftfräser (D10 L13)



Medium-density fiberboard (MDF)



Multiplex



Comparison

Wood

- > Density of beech Multiplex is 0.76 g/cm³
- > Low quality surface
- > Orientation of wood fiber
- > Hygroscopic material
- > Warping and swelling through water or moisture
- > Thickness of sheet max. 80mm
- > Chips are industrial waste and need to be disposed accordingly
- > Glued wood, chipboard, plywood and multiplex are not allowed to be burned due to containing high amounts of adhesive which is based on Phenol-, Phenol Resorcin-, or Resorcin- and melamine resin.

Board Material

- > Density from 0.5-1.4 g/cm³
- > High precision surface
- > Homogeneous material
- > Linear CTE in all three dimensions
- > No water or moisture sensitivity
- > Material properties on customer demand (abrasion resistance, chemical resistance, high compressive strength...)
- > Thickness of board material available from 25,50,75,100,150 and 200mm
- > Chips are industrial waste and need to be disposed accordingly