

Broken Screw Chuck

I broke my screw chuck the other day and it got me wondering how many other may have had this problem. So I thought I might document how got it out as it may help some in the future.



As you can see it's done for and the blank is a piece of well dried Eucalyptus and very hard. But on closer examination it looks like the screw was cracked for quite some time and it finally come apart. It fell off at low speed which was good.



If you look closely the brown stain to the right hand side of the screw looks like is was just waiting to come apart. Luckily I have another so all is not lost.

It was a standard Tecknatool screw chuck that I have used for many years, 8mm or 5/16 core size



All I used was a hacksaw and a battery drill with a cross blade screw driver head fitted, now you can use an ordinary cross blade screw driver. But the blank has got a good hold on the screw and the drill will just make it easier and quicker to get out. I used an impact drill, but any drill with variable speed will do, it was the nearest drill at the time.



All I did was cut a screwdriver slot into the portion of the screw that was sticking just above the surface of the blank. Making sure the blade of the screw driver fitted really well



Pretty straight forward, but sometimes we don't think of the obvious, especially if the blank is expensive.



Out it comes, all over in a few minutes. The whole process took about 15 min form start to finish.