No． 128 Proposal for using an Incremental（Serial）Tap cutting Tap

【Consultation】
＂Hand tap $\mathrm{M} 30 \times 3.5$＂is being processed with a drilling machine，but the machine inevitably stops along the way．Even I use Plug taps and Bottoming taps，the processing stops．I suspect that the machine＇s horsepower is low．Is there a safe way to proceed？

## 【Answer】

The cause of machine stoppage is that the mechanical power is small．As a countermeasure，there is a method of processing with a＂serial tap＂．The basic approach with serial tap is to divide the screw threads into three sections and process it three times．However，even with the combination of the serial tap and a standard tap，the machining torque may still be low， making it a potential solution．


## 【Explanation】 Thread shape and chamfer length of each taps



