

How to use YAMAWA rolling dies

【Consultation】



This is my first time processing a thread using a rolling dies.
Please tell me how to use it.

【Answer】

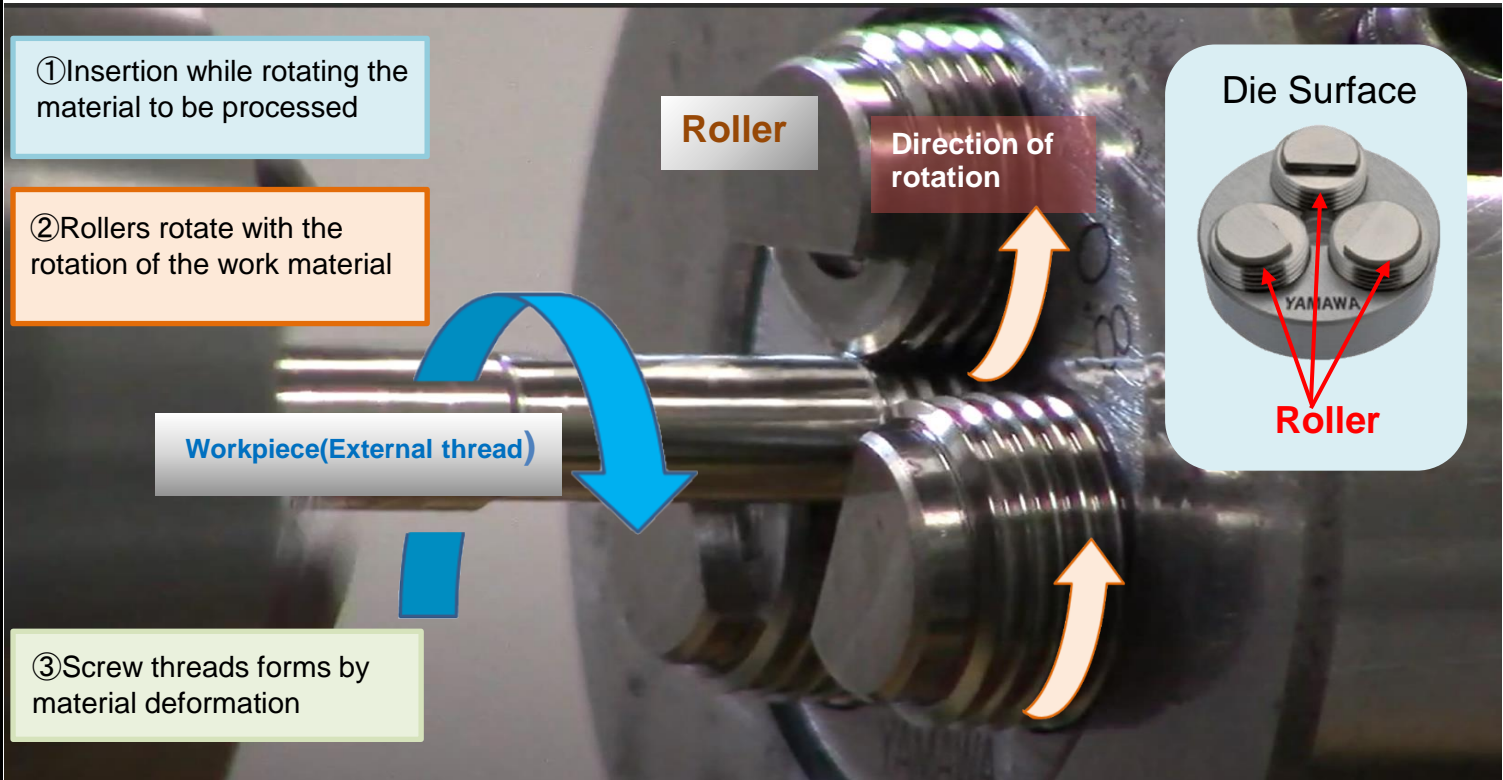
The processing method using rolling dies is called “forming” and is a processing method in which the workpiece is formed into shape rather than shaved.
The explanation is detailed below.



【Explanation】

The processing method using rolling dies is called “thread forming process” and is widely used in the external thread processing.
It is also known as rolling forming, and is performed while rolling the material being processed.
The three round peaks on the surface of the die are called “rollers,” and when the work piece is inserted while rotating, the rollers also rotate, and the strong force applied to the material causes the material to rise and form the threads.
Since no chips are created, there are little damages to the threads and the die, and the chipping of cutting edges are minimal.

【Procedure】



YAMAWA produces “DA SL”, a die attachment for lathes that can easily attach rolling dies.

【Main features】

Stable machining is made possible due to the attached tension spring !
The single-sided notch is the optimum shape for setting on the lathe tool stand!

Check the details from the link ⇒

【DA SL】

