

Structure of Damascus steel and process of manufactured

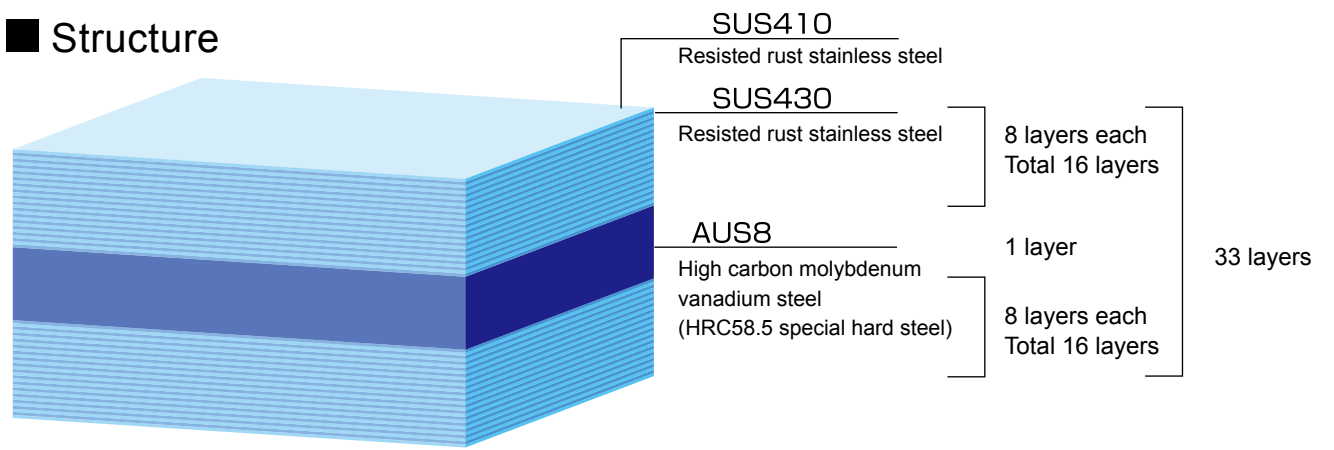
1 What is Damascus steel?

High carbon molybdenum vanadium steel AUS8 (HRC58.5) using in core steel and alternately used resisted rust steel SUS410 and SUS430 and constructed 16 layers for both side, total 33 layers.

■ Origin

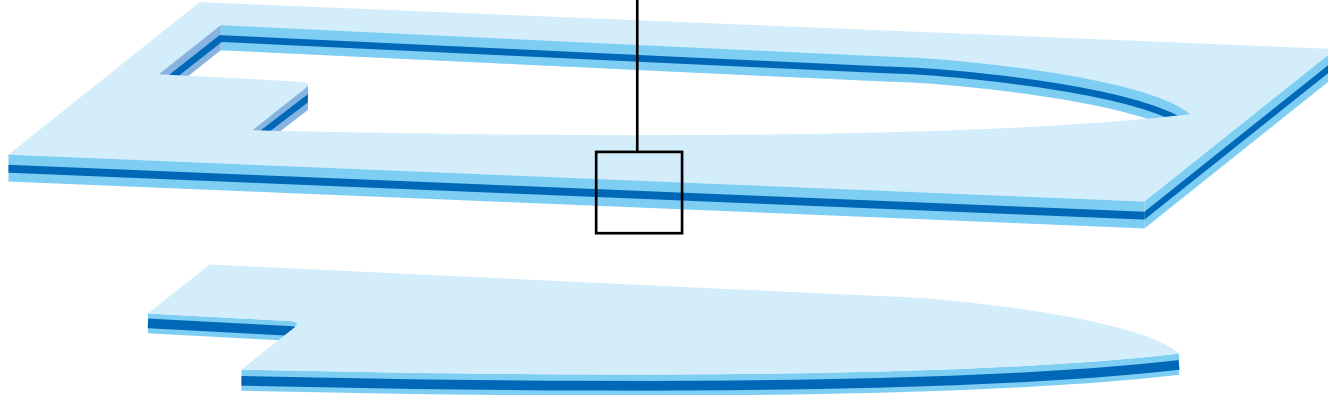
Damascus steel is known the strong steel which has the grain pattern. The origin is Wootz steel in India and it was manufactured swords in Damascus, Syria. Medieval crusade had brought back the swords to Western Europe, prized for the beauty. It later becomes known as Damascus steel.

■ Structure



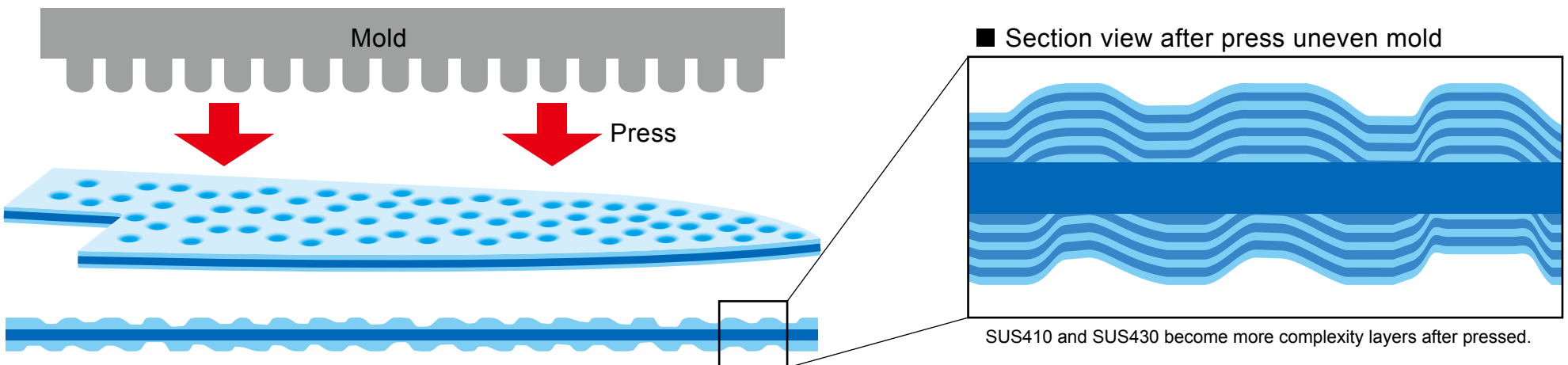
2 Press molding

Steel material is pressed by a kitchen knife mold.



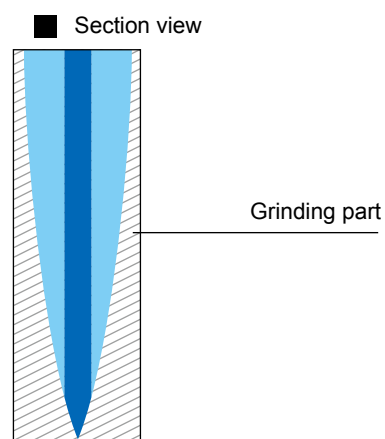
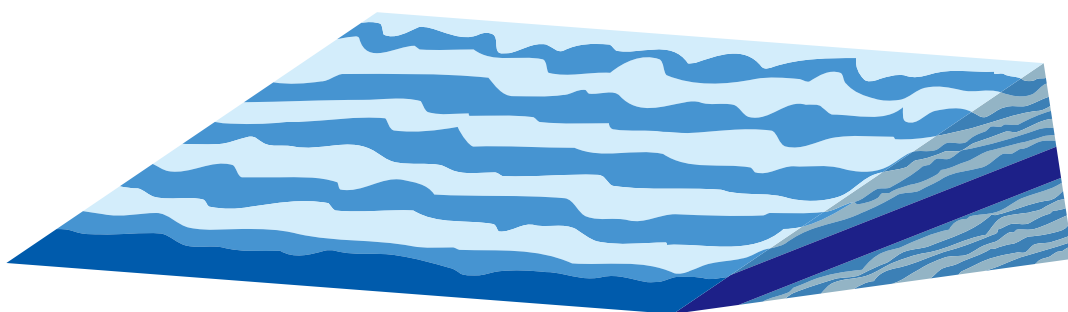
3 Press machine work for making moiré.

Damascus steel moiré is pressed uneven mold (both side) (There are variety moiré patterns)



4 Grinding.

Moiré appear on surface when the blade is grinded at an angle.



5 Finish.

Screw down a blade and handle, then polish, put an edge on a blade.

