Fine Blanking, a precision mass production technique, is an unique development in the metal forming industry, occurring over the last eight decades.

Its conception, although innovated from traditional metal stamping techniques, employs an entirely different philosophy of machine movement, tooling and the plastic deformation of metal.

Its achievement is the geometrical accuracy and close tolerance of metal cutting operations; chip flowing like milling, grinding, shaving broaching etc; combined with the productivity of metal stamping operations.

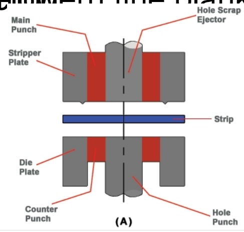
The fine blanking process presented for the first time in 1923 in Germany for production of parts for watch and clock industry has undergone massive change over the years.

There have been several technological breakthroughs both in tool making and press manufacture, most revolutionary is the development of Electro Wire Erosion Machine and CNC Control Presses.

In today's scenario, fine blanking technology has created exclusive positions in automobile industry for producing high precision parts for engine, door latch, window lifters, gearbox etc.

The capability of the technology in producing 100% shear edge with extremely close tolerance has been recognized even by other industries like switchgear, compressors, motorcycles and scooters, aircraft and many others.

The modern fine blanking deploys a triple action press and a short discussion of the process is as below



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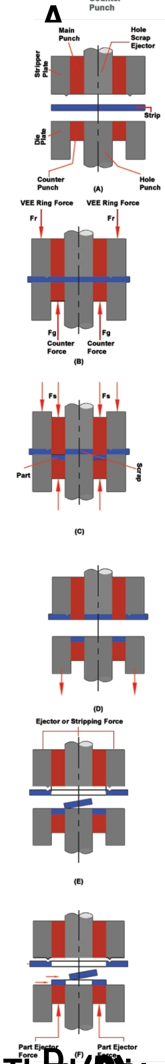

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