

## M50 Sliding Die



### Key Features:

Economical  
Male Block Tooling  
Clean & Simple Design

### Applications:

Low Volume Production  
Single Blanks  
Motorcycle Plates  
Embossed Signs

### Alternative Process:

#### M48 Safety Feeder

The M48 uses handled-hinge die tooling with male & female engraved on top and bottom to create a high quality and consistent character impression. The Safety Feeder is used when higher production and faster tool changing is required.



**Safety Feeder Hinge Die**

The Wald M50 Sliding Die is used in the license plate embossing process using male-block character tooling pressed into an elastomer pad to form the finished characters on a license plate blank. The John R. Wald Company typically recommends the use of an M50 Sliding Die in lower volume production scenarios and where only single plates are made at a time. This is an economical method of embossing motorcycle plates.



The male half of a rim die is affixed to the bottom tray and contains a pocket that is engraved to hold male characters and numbers as well as various inserts. The female half of the rim die is affixed to the upper plate of the Sliding Die and is filled with a hard rubber elastomer pad.

The M50 bottom tray slides in and out by use of an air cylinder interlocked with the press controls in order to safely change embossing tooling. As the palm buttons are depressed the bottom tray slides into the press and the press cycles. As the press ram rises, the tray slides out and the operator uses a magnetic tool to lift out engraved character dies and replace them with the next die or dies in the sequence.

