

# Insignia

DIE CUTTER  
BROCHURE

AeTee Group



# THE INSIGNIA IS A SHEET-FED, ROTARY, FLEXO MAGNETIC DIE CUTTER DESIGNED FOR TRUE PRODUCTION-DRIVEN OPERATION AT AN AFFORDABLE PRICE POINT.

## How each Insignia machine works

The Insignia machines come standard with a built-in high capacity feeder capable of accepting up to 36" / 91cm of stock in one load. Utilizing a true guide & gripper register system, Insignia can feed, register and cut material ranging from 0.004" thin (~60gsm) up to 0.026" thick (~450gsm).

The Insignia is offered in 3 varying sizes; Insignia5 will run up to a 20x15" sheet [51x38cm], Insignia6 handles up to a 20x20" sheet [51x51cm] and Insignia7 will run a B2 sheet of 30x24" [76x61cm] maximum. Insignia6 and Insignia7 machines are offered as either single or dual magnetic machines, while Insignia5 comes standard as a single magnetic system.

There are two delivery systems available with the Insignia die cutters. A waste stripping unit will remove the skeleton and deliver individual cut pieces out onto a slow moving conveyor table, or a high capacity receding stacker designed to accept full cut sheets and stack them in a descending pile for removal later.

### Benefits:

Ease of operation allows for training of inexperienced operators in minimal time.

Quick changeover utilizing flexible dies allows for virtually no make-ready.

Run speeds up to 5,000 sheets per hour.

Die cut, kiss cut, score, cut score, perforate, and crease an unlimited number of shapes, sizes and materials.



### Different Types of Systems Offered

The Insignia machines are offered as either single magnetic systems or dual magnetic. A single magnetic machine features an upper magnetic cylinder to house a flexible die tool and cuts against a lower, solid anvil cylinder. A dual magnetic machine will house a magnetic upper and lower cylinder, designed to accept a paired set of "male/female" die tools as pictured above. A non-bearer version of the machine is also available upon request for label producers. This non-bearer machine allows an operator to adjust the gap between cylinders primarily to perform kiss cutting of various pressure sensitive materials.





# Cylinder Systems

## Features:

Made 100% in the USA.

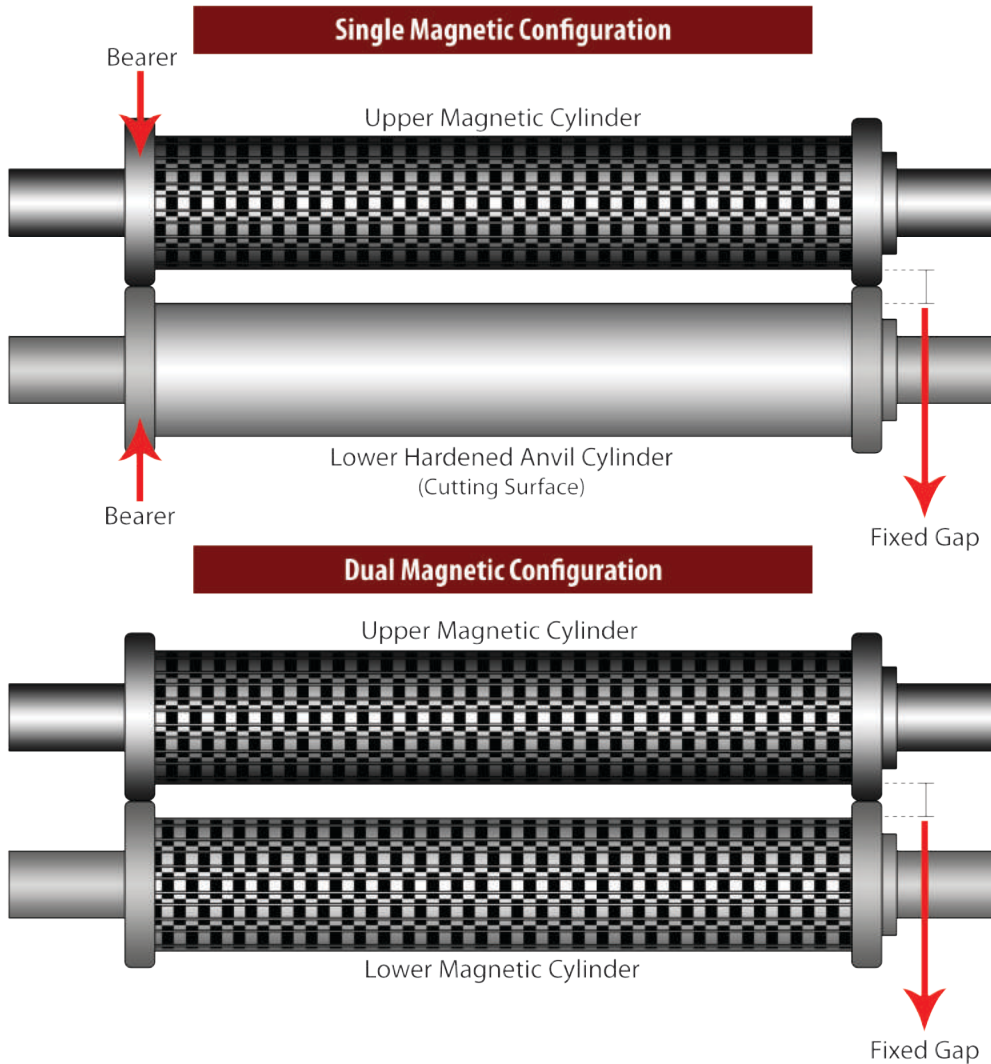
Mechanical functionality ensures greater reliability over servo-motor driven timing mechanisms.

Guide & grip register system allows for tight registration on all materials.

Reusable flexible dies capable of running up to 1 million impressions.\*

Ability to run directly in-line with folding/gluing equipment.

Ability to remove hanger holes from products upon delivery.

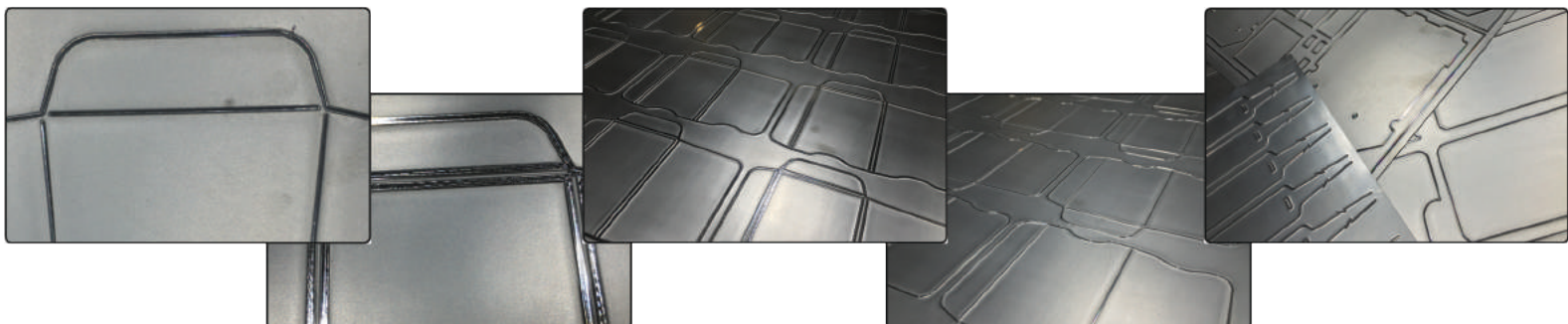


The above illustration highlights the bearer-to-bearer cylinder configuration found on all Insignia machines. The ability to apply an infinitely adjustable amount of pressure directly onto the bearers of the cylinders are what allow for both cutting of thicker substrates (up to 24pt or ~450gsm) as well as extended die life.

Also illustrated is a single magnetic vs. a dual magnetic cylinder configuration. A single magnetic machine will utilize a single die tool where as a dual mag. system will always accept two dies, an upper and a lower. The dies are capable of being inverted to score from the underside.

A non-bearer system is available upon request for pressure sensitive substrate converters. The design of this system allows an operator to raise or lower the upper magnetic cylinder, enabling the use of a single flexible die tool to kiss cut an infinite number of thickness liners.

Below are pictures of both male/female sets and single flexible die tools.



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