

Insignia

DIE CUTTER



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 DOES IT WORK?

THE **INSIGNIA** MACHINES COME STANDARD WITH BUILT-IN HIGH CAPACITY FEEDER, CAPABLE OF ACCEPTING UP TO **36"** OR **91CM** OF STOCK IN ONE LOAD. UTILIZING A TRUE GUIDE & GRIPPER REGISTER SYSTEM, **INSIGNIA** CAN FEED, REGISTER & CUT MATERIAL RANGING FROM **0.004"** THIN [**~60GSM**] UP TO **0.026"** THICK [**~430GSM**].

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**]. **INSIGNIA6** OR **INSIGNIA7** ARE OFFERED AS EITHER SINGLE OR DUAL MAGNETIC MACHINES, **INSIGNIA5** COMES STANDARD AS A SINGLE MAGNETIC SYSTEM.

THERE ARE **2** DELIVERY SYSTEMS AVAILABLE WITH THE **INSIGNIA** DIE CUTTER. A WASTE STRIPPING UNIT WILL REMOVE THE SKELETON & DELIVER INDIVIDUAL CUT PIECES OUT ONTO A SLOW MOVING CONVEYOR, OR A HIGH CAPACITY RECEDING STACKER DESIGNED TO ACCEPT FULL CUT SHEETS & STACK THEM IN A DESCENDING STACK 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, PERFORATE AND CUT-SCORE AN UNLIMITED NUMBER OF SHAPES, SIZES AND MATERIALS

DIFFERENT TYPES OF SYSTEMS OFFERED

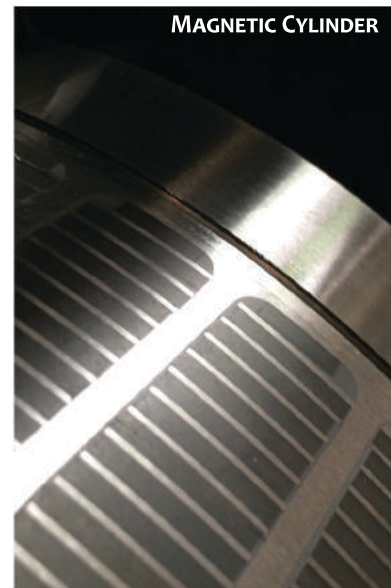
THE **INSIGNIA** MACHINES ARE OFFERED AS EITHER SINGLE MAGNETIC SYSTEMS OR DUAL MAGNETIC.

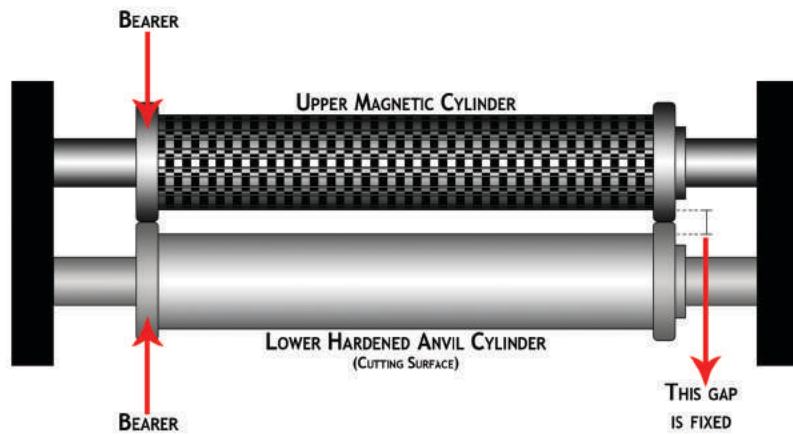
A SINGLE MAGNETIC MACHINE FEATURES AN UPPER MAGNETIC CYLINDER TO HOUSE A FLEXIBLE DIE TOOL, AND IT CUTS AGAINST A LOWER SOLID ANVIL CYLINDER.

A DUAL MAGNETIC MACHINE WILL HAVE A MAGNETIC CYLINDER ON BOTH UPPER AND LOWER CYLINDERS, DESIGNED TO ACCEPT A PAIRED SET OF "MALE/FEMALE"

DIE TOOLS. 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.

MAGNETIC CYLINDER





FEATURES

MADE 100% IN THE USA.

MECHANICAL FUNCTIONALITY ENSURES GREATER RELIABILITY OVER SERVO-MOTOR FUNCTION

GUIDE & GRIP REGISTER SYSTEM ALLOWS FOR TIGHT REGISTRATION ON ALL MATERIALS

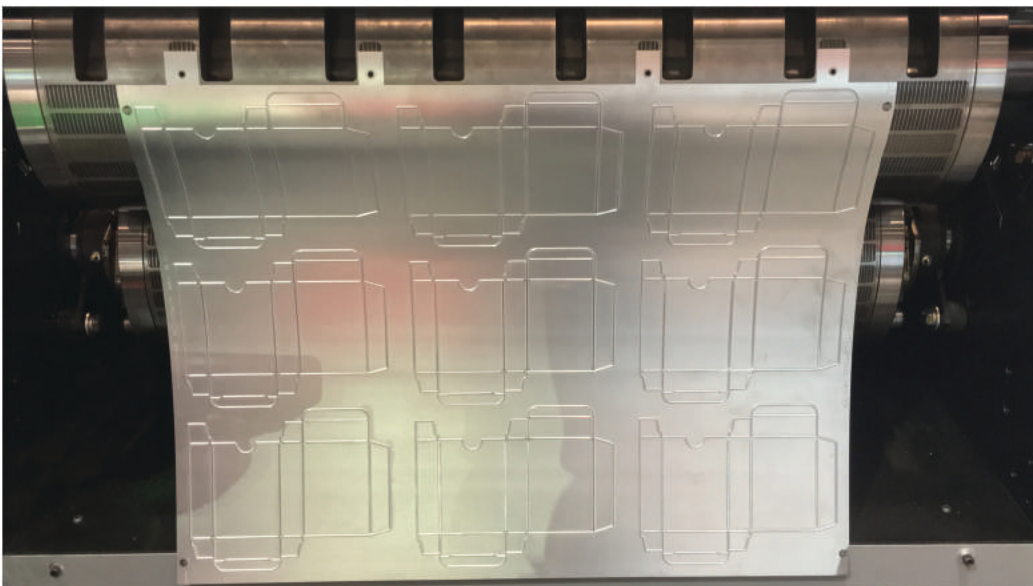
REUSABLE FLEXIBLE DIES CAPABLE OF RUNNING UP TO 1 MILLION IMPRESSIONS*

VIRTUALLY NO CONSUMABLE PARTS ON THE MACHINE ASIDE FROM CUTTING DIES.

ABILITY TO REMOVE HANGER HOLES FROM PRODUCTS UPON DELIVERY

THE ABOVE ILLUSTRATION HIGHLIGHTS THE BEARER-TO-BEARER CONFIGURATION FOUND ON THE INSIGNIA MACHINES. THE ABILITY TO APPLY AN INFINITELY ADJUSTABLE AMOUNT OF PRESSURE DOWNWARD ONTO THE BEARERS OF THE CYLINDER ARE WHAT ALLOW FOR BOTH CUTTING OF THICKER SUBSTRATES AS WELL AS EXTENDED DIE LIFE.

A NON-BEARER SYSTEM IS AVAILABLE UPON REQUEST FOR STRICTLY PRESSURE SENSITIVE WORK. THIS DESIGN ALLOWS FOR AN OPERATOR TO RAISE & LOWER THE UPPER MAGNETIC CYLINDER, ENABLING THE USE OF A SINGLE DIE TOOL TO KISS CUT AN INFINITE NUMBER OF PRESSURE SENSITIVE MATERIALS.



PICTURED ABOVE IS A MALE/FEMALE PAIRED SET OF DIE TOOLS BEING MOUNTED VIA A PIN MOUNT SYSTEM TO ENSURE CORRECT ALIGNMENT. DUAL MAGNETIC CYLINDERS ALSO INCLUDE MICRO-ADJUSTMENTS IN THE MACHINE TO ALLOW FOR VERY FINE TUNING OF THE DIES TO MATCH UP.

BECAUSE INSIGNIA'S CYLINDERS RUN BEARER-TO-BEARER, THE GAP BETWEEN THE TWO CYLINDERS IS FIXED WHICH MAKES IT IMPOSSIBLE FOR AN OPERATOR TO DAMAGE A DIE TOOL.

PRESSURE ASSEMBLIES ARE CAPABLE OF APPLYING UP TO 3,000 PSI PER SIDE OF THE CYLINDER TO ENSURE ENOUGH CUTTING PRESSURE TO GET THROUGH THE SUBSTRATE.

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