


**FLEXIBLE DIES FOR LABELS, ENVELOPES + IOC**  
PROVEN QUALITY WITH THE FASTEST DELIVERY

# FLEXIBLE DIES FOR LABELS, ENVELOPES + IOC



Die cutting technology from the pioneer

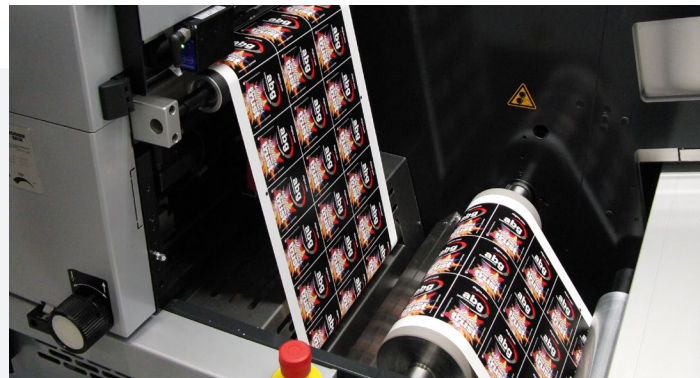
As early as 1981, **Kocher+Beck** was the first company in Europe to offer magnetic cutting technology. This pioneering work brought the then completely new process up to the level required for today's production environment.

Every flexible die from **Kocher+Beck** is the result of decades of experience and is continuously developed and improved.

## Highest quality for the highest demands

**Kocher+Beck** flexible dies are manufactured to the highest precision using the latest CNC technology and meet the highest quality standards.

The extensive range is designed for numerous materials and is suitable for a wide variety of applications, from self-adhesive labels to medical and industrial products.



## Maximum strength with maximum flexibility

**Kocher+Beck** sees itself as a solution provider and problem solver and is constantly setting new standards in production and quality that are often imitated but never matched.

**Kocher+Beck** tools can be manufactured to your requirements and dispatched with short delivery times.



# FLEXIBLE LABEL DIES

A range of flexible dies that provide the market with the service required in today's fast-moving industries, such as self-adhesive labels, in-mould, pharmaceutical and industrial.

As you would expect from a global leader, our technical support and design advice will assist you in pre-press, print and post-press.

**AI UNIVERSAL** - The foundation of our flexible die range.



**Machine Type:**

Digital, Rotary, semi-rotary or flatbed

**Application:**

Kiss cut, full cut, perforations, creasing and embossing.  
Multiple applications can be combined on 1 die

**Product:**

Paper, PP, PE, PVT, PET, Tyvek, thin films on PET, Glassine + Kraft liner materials

**Materials:**

Spring band steel

**Die height:**

Variable from 0.3mm to 1.5mm

**Tolerances:**

Profile height max. 3 µm

**Cutting Angle:**

Dimensional accuracy of the cutting contour to 100 mm contour size <10 µm 30 - 110 degrees. Other angles, special geometries and chamfers -on request

**Perforations:**

Freely adjustable cut/web ratio. Smallest bar of 0.15

**Max Tool Size:**

1040 x 930 mm

**Hardness:**

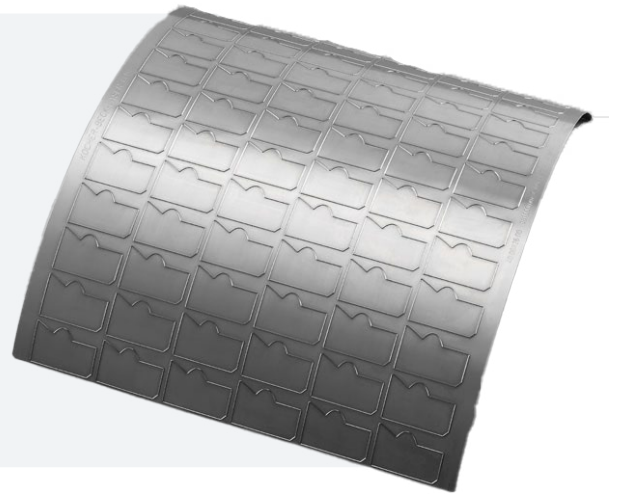
45 - 62 HRC, depending on version

## QUALITY BUILT + SERVICE DRIVEN

# LABEL FLEXIBLE DIES VARIANTS

## 3L Laser Long Life

With laser hardening technology, **Kocher+Beck** can achieve hardness levels of 58 - 62 HRC. This enables a service life up to 3 times longer than that of conventional materials. **Kocher+Beck's** laser process is environmentally friendly and helps to conserve resources.



## Chrome 24

**Kocher+Beck's** Chrome 24 coating is the perfect choice for long production runs with abrasive thermal or thermal transfer SK papers, opaque white and fluorescent inks. A chrome coating with a hardness of 70 HRC provides extremely high performance with minimal wear and extends the life of your cutting die.



## Gluex Range

The Gluex range proves how much experience counts. The innovative coating developed by **Kocher+Beck** guarantees an optimal non-stick effect without compromising on die-cutting and label quality. It reliably minimises ink and adhesive residues on cutting edges and die-cutting surfaces. Excellent results against adhesive leakage and blocked label rolls.





# ENVELOPE DIES

The magnetic die-cutting technology used by **Kocher+Beck** has not only revolutionised the label and printing sector, but also the envelope industry. Today, envelope machines can produce a wide range of formats without the need for costly format changeover sets, making envelope production more flexible and reducing set-up times.

Smaller runs and the increasing complexity of individual envelope orders require flexibility and effective production results. **Kocher+Beck** is a leading supplier in the envelope industry with a special range of magnetic holders and cutting plates for window, side, separating/sever and complete cuts.



# IOC (IN LINE OFFSET CUTTING) DIES

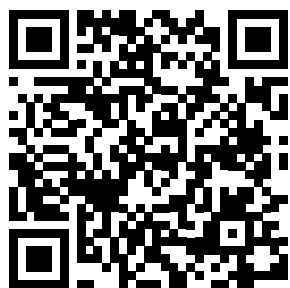
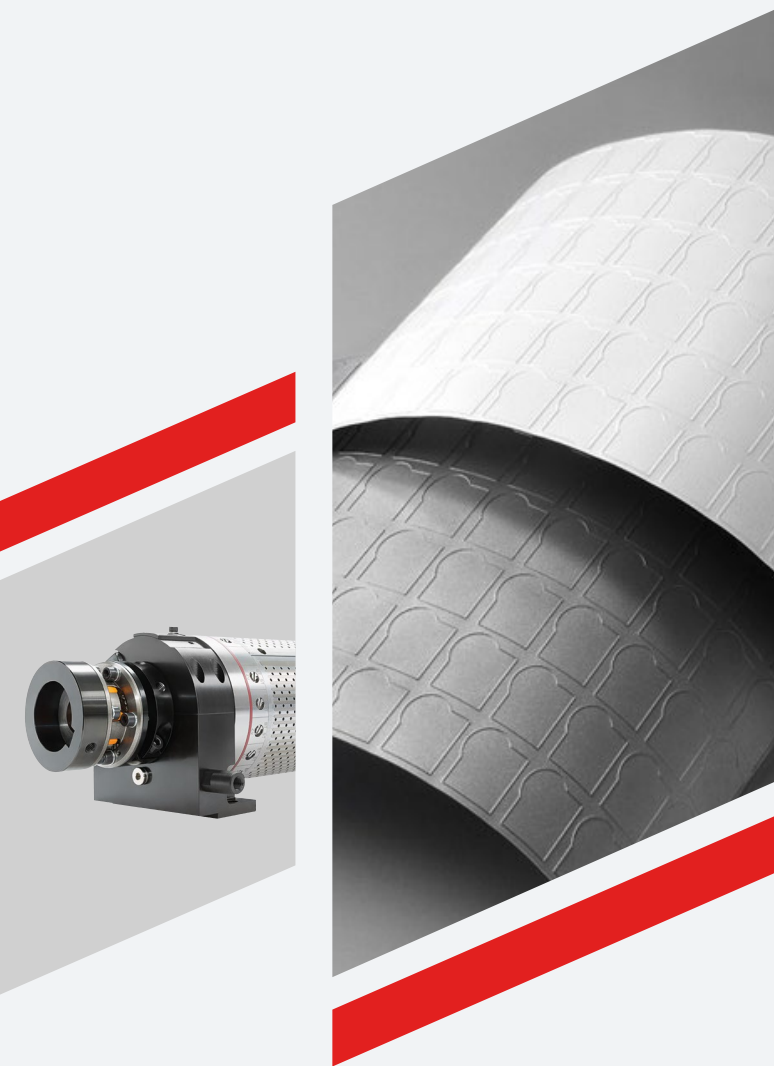
**Kocher+Beck** IOC die cutting plates have been produced in full blanket length for inline finishing in sheetfed printing since 1991.

The idea of replacing the printing blanket or coating plate with a die-cutting plate was developed and perfected by **Kocher+Beck** and the printers involved into a functional high-end die-cutting process.

It enables highly economical printing and die-cutting in a single operation without the need for a carrier or manual loading. High-quality die-cutting, perforating, creasing or embossing can be realised in a very short time. Ready-to-use IOC cutting tools guarantee the highest cutting quality and are the perfect choice for cutting, perforating, creasing or embossing.

**Kocher+Beck** offers a complete IOC system with an extensive accessory package that simplifies the application and optimises the result. With a special reusable under packing set to compensate for the cylinder recess through to a self-adhesive protective plate to protect the impression cylinder, complemented by a range of special products.





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