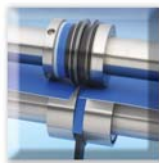


Tech-ni-fold Products for Creasing Machines

multigraf



Easy Fit



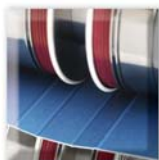
Multi-Tool



Micro-Perforator



CP Applicator



Spine & Hinge
Creaser



Kiss-Cutter



Introduction

It was during Drupa 2004 that representatives from Tech-ni-Fold approached Multigraf to discuss a unique business opportunity following the successful launch of a creasing machine proto-type on their stand. Tech-ni-Fold had used a Multigraf sheet feeder that was an important part of the demonstration.

The combination of two world-class technologies had clearly impressed hundreds of visitors and it seemed only natural that discussions between the two companies continued as interest increased.

Towards the end of 2004 Multigraf produced the first automated version of a machine that was to be code named the DCM (Double Creasing Machine), which made reference to the two sets of creasing shafts that were an integral part of the design.

All of a sudden there was a solution available for faster quality creasing, not only for conventional sheet fed Lithographic printers but also for the specialist area that was rapidly opening up in the Digital sector.

Building a machine around the globally successful Tri-creaser was a dream harnessed by Graham Harris, Managing Director of Tech-ni-Fold Ltd. And as the popularity of the DCM grew, so did the range of products that could fit it. True fine micro-perforating, razor sharp slitting and even precise label stock kiss-cutting are all accessories that help make the machine unique in the global market.

Due to the continued success of the DCM Tech-ni-Fold and Multigraf are designing other types of creasing solutions to satisfy the demands of quality finishing in many areas of print production.

The information throughout this book is intended for two reasons:

- 1) To educate the machine user of the benefits of each individual Tech-ni-Fold accessory available to them
- 2) To give detailed information regarding package contents, including product & spare part references.

If you require solutions for other print finishing equipment such as Folding machines, Saddle Stitchers or Perfect Binders please view our website www.technifold.com

Tri-creaser Easy-fit

Instant crease style change!



Now you can produce perfect letterpress style creasing, eliminating the age-old problem of fibre cracking.

Added Benefits:

■ **Enhanced quality of crease**

The newly designed and more robust “gripper-crease” acts as a cushion, absorbing uneven shaft pressure adding greater depth as well as enhanced sheet support.

This breakthrough is particularly advantageous for companies that struggle to deal with lighter paper stocks on existing Letterpress Cylinders.

■ **Even more creasing impressions**

The Gripper crease ensures extra durability.

■ **100% colour coding**

Matching of male crease with corresponding dot coded female channel eradicates any confusion during make-ready.

■ **Side-loading and spare storage**

Simply push-fit your choice of Gripper-crease contained in the storage recess. This allows for a super quick change of creasing style without altering crease position. All three choices of gripper-creases are retained within the body of the male component.

Order Code: QC-03

QC-03

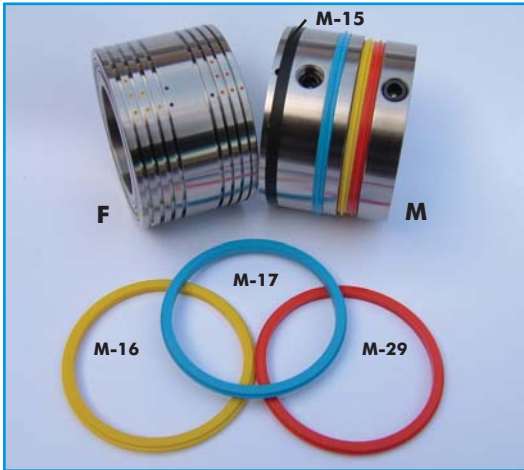
Tri-Creaser Easy-Fit for MCM & DCM Machines

Stock Code: **QC-03**

Shaft Size: **36mm Exit Shaft**

Outer Diameter: **58mm**

SETTINGS



Contents of Package

1x Male Component (M):

contains the inserts to crease the material

1x Female Component (F):

(with bearings) contains grooves in which material is pressed

2x Orange Gripper Crease (M-29):

used to crease material weight between 100-200gsm >

2x Blue Gripper Crease (M-17):

used to crease material weight between 200-270gsm >

2x Yellow Gripper Crease (M-16):

used to crease material weight between 250-350gsm >

1x Black Gripper Band (M-15):

used to support and feed sheet through device

1x Extraction Tool:

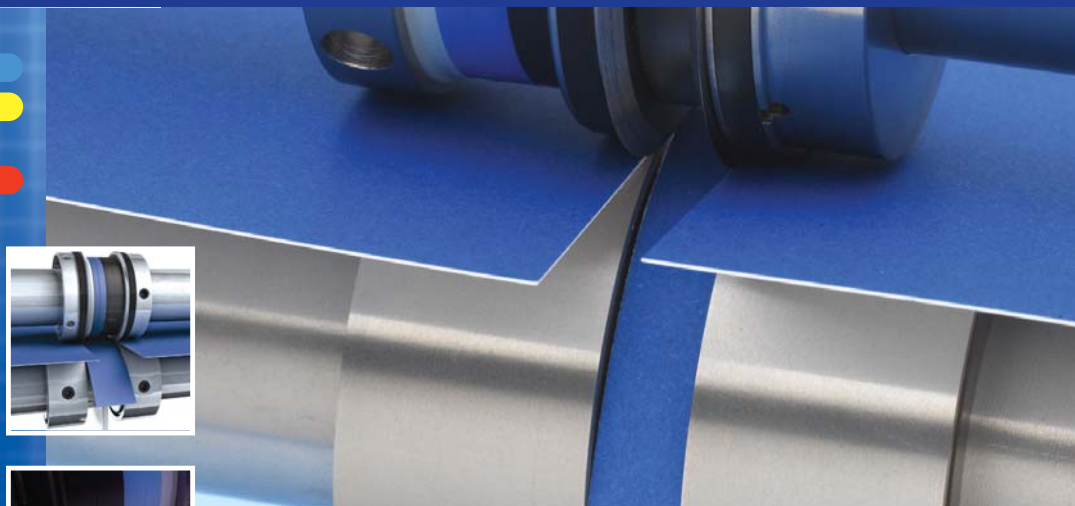
used to remove the inserts from Male Component



Tech 069

Multi-tool

Keeping work away from the Guillotine & Cylinder



The quality of cut and perforation is of a much higher standard than ever witnessed before on other rotary applications.

Using One Device - Now it's Possible to

■ **Slit** ■ **Micro-perforate** ■ **Edge-trim** ■ **Kiss-cut**

■ **Long Life**

Cutting blades are made to last up to 5 times longer than existing versions that other manufacturers offer.

■ **Scissor Action**

The Scissor Action design ensures that the cutting standard reaches the quality usually witnessed only on paper guillotines.

■ **Self Sharpening**

The uniquely designed double sided and hardened cutting bosses enable them to Self Sharpen during production, resulting in extended life span.

■ **Micro-Perforation**

The fine and almost invisible style of the Micro-Perforation simulates the Letterpress application.

17tpi, 25tpi and 52tpi (teeth per inch) perforation blades are included.

12tpi and 72tpi blades are also available on request.

■ **Long Lasting**

Our double bevelled perforation blades out last all others of their kind many times over.

■ **Trouble Free**

Edge-trimming has never been easier to apply, guaranteeing Trouble Free production from the very outset.

Order Code: MT-01

Multi-Tool

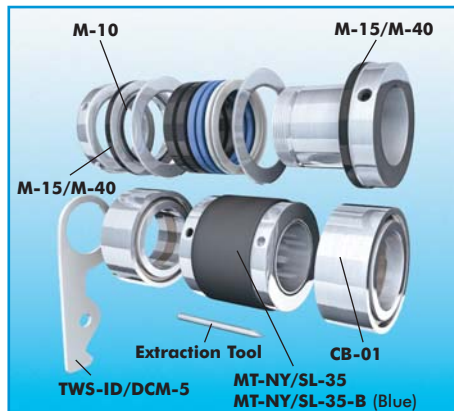
for MCM & DCM Machines (Full pack; options 1-2)

Stock Code: **MT-01**

Shaft Size: **36mm Exit Shaft**

Outer Diameter: **58mm**

SETTINGS



Kiss-Cutting Blade (CK-02):

(58.35mm Outer Diameter **optional**) used for kiss-cutting applications

Long Cutting Knives (CK-03):

(64mm Outer Diameter **optional**) used for trimming on heavy stock

2x Black Gripper Band (M-15):

used to feed and support material through device

Perforating Blades:

17 TPI (MPB-17) (250/280-350gsm)

Blue Nylon Sleeve

17 TPI (MPB-17) (170-250/280gsm)

Black Nylon Sleeve

25 TPI (MPB-25) (100-170gsm)

Black Nylon Sleeve

52 TPI (MPB-52) (65-100gsm)

Black Nylon Sleeve

12 TPI (MPB-12) (optional)

72 TPI (MPB-72) (optional)

2x Blue Gripper Band (M-40):

used to feed and support material through device during edge trimming only

2x Perforating Blade Seals (M-10):

used to hold perforating and cutting blades into position

1x Waste Stripper:

acts as waste deflector preventing waste material wrapping around machine shaft; width options include:

5mm Width (TWS-ID/DCM-5)

4mm Width (TWS-ID/DCM-4)

3mm Width (TWS-ID/DCM-3)

1x Extraction Tool:

used to change rubber grippers from Male Blade Holder

OPTIONAL EXTRA C-SPANNER (C-SPAN 68-75)

Contents of Package

1x Male Blade Holder (MT-BH/01-36):

used to hold the perforating/slitting blade whilst material is fed through

1x Female Nylon Sleeve Holder

(MT-NSH/01-36):

used to secure nylon perforating and kiss-cutting process

1x Black Nylon Sleeve (MT-NY/SL-35):

used on light weight stocks (65-250/280gsm), to allow sufficient blade pressure onto material (for perforating and kiss-cutting only)

1x Blue Nylon Sleeve (MT-NY/SL-35-B):

used on heavier stocks (250-280gsm upwards), allowing sufficient blade pressure onto material

2x Cutting Bosses (CB-01):

used to aid cutting, producing scissor effect as material is fed through device (for slitting only)

2x Cutting Knives (CK-01):

(62.50mm Outer Diameter) used for trimming on normal stock



Tech 114 (Blade Holder) and 115 (Nylon Sleeve Holder)

Multi-Tool

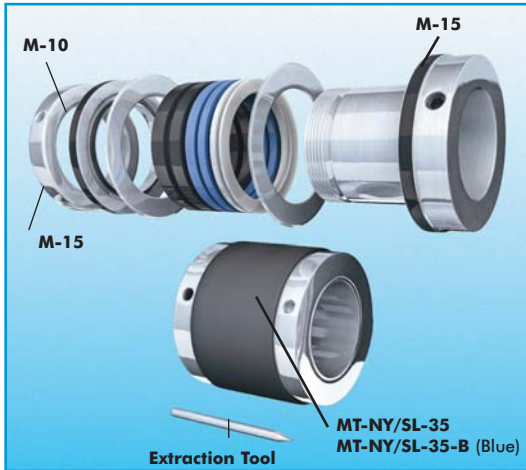
for MCM & DCM Machines (Micro-perforating/Kiss-cutting; option 1)

Stock Code: **MT-01 OPTION 1**

Shaft Size: **36mm Exit Shaft**

Outer Diameter: **58mm**

SETTINGS



Contents of Package

1x Male Blade Holder (MT-BH/01-36):

used to hold the perforating/slitting blade whilst material is fed through

1x Female Nylon Sleeve Holder (MT-NSH/01-36):

used to secure nylon perforating and kiss-cutting process

1x Black Nylon Sleeve (MT-NY/SL-35):

used on light weight stocks (65-250/280gsm), to allow sufficient blade pressure onto material (for perforating and kiss-cutting only)

1x Blue Nylon Sleeve (MT-NY/SL-35-B):

used on heavier stocks (250-280gsm upwards), allowing sufficient blade pressure onto material (for perforating)

Kiss-Cutting Blade (CK-02):

(58.35mm Outer Diameter **optional**) used for kiss-cutting applications

2x Black Gripper Band (M-15):

used to feed and support material through device

Perforating Blades:

17 TPI (MPB-17) (250/280-350gsm)

Blue Nylon Sleeve

17 TPI (MPB-17) (170-250/280gsm)

Black Nylon Sleeve

25 TPI (MPB-25) (100-170gsm)

Black Nylon Sleeve

52 TPI (MPB-52) (65-100gsm)

Black Nylon Sleeve

12 TPI (MPB-12) (optional)

72 TPI (MPB-72) (optional)

2x Perforator Centre (M-10):

used to hold perforating and cutting blades into position

OPTIONAL EXTRA C-SPANNER (C-SPAN 68-75)



Tech 114 (Blade Holder) and 115 (Nylon Sleeve Holder)

Multi-Tool

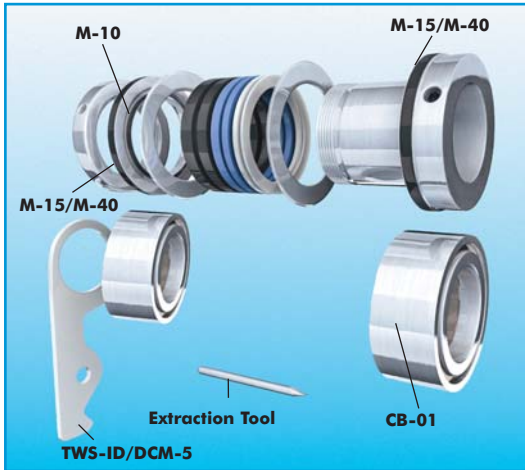
for MCM & DCM Machines (Cutting/Edge-trimming; option 2)

Stock Code: **MT-01 OPTION 2**

Shaft Size: **36mm Exit Shaft**

Outer Diameter: **58mm**

SETTINGS



Contents of Package

1x Male Blade Holder (MT-BH/01-36):
used to hold the perforating/slitting blade whilst material is fed through

2x Cutting Bosses (CB-01):
used to aid cutting, producing scissor effect as material is fed through device (for slitting only)

2x Cutting Knives (CK-01):
(62.50mm Outer Diameter) used for trimming on normal stock

Long Cutting Knives (CK-03):
(64mm Outer Diameter; **optional**) used for trimming on normal stock

2x Black Gripper Band (M-15):
used to feed and support material through device

2x Blue Gripper Band (M-40):
used to feed and support material through device during trimming only

2x Perforating Blade Seal (M-10):
used to hold perforating and cutting blades into position

1x Waste Stripper:
acts as waste deflector preventing waste material wrapping around machine shaft; width options include:
5mm Width (**TWS-ID/DCM-5**)
4mm Width (**TWS-ID/DCM-4**)
3mm Width (**TWS-ID/DCM-3**)

1x Extraction Tool:
used to change rubber grippers from Male Blade Holder

OPTIONAL EXTRA C-SPANNER (C-SPAN 68-75)



Tech 114 (Blade Holder)

Micro-perforator

Produce fine, die quality micro-perfs with this powerful accessory



Now you can produce a nearly invisible micro-perf at up to 72 teeth per inch, in-line on your DCM or MCM creasing machine and more.

Until now if you wanted a micro perf on your job, you would probably have run it through a separate operation on your press or die cutter using special steel rule dies or press perf, or run it on a specially equipped stand-alone perforator.

Unlike conventional perfs, the Micro-perforator is designed to kiss-cut the sheet, and the narrow profile perf blade cuts through only to the bottom of the sheet, not beyond, which also minimises the knife area in actual contact with the sheet.

This means you get a cleaner, finer cut which permits the sheet to lay flat, and because the Micro-perforator's blade is mounted on a special shock absorbing cushion, you get an accurate, precise kiss-cut the entire length of the sheet.

Micro-perforator blades are break resistant for two reasons:

- 1. Strong double bevel construction**
 - 2. They cut against a comparatively softer nylon rather than steel**
- You get perfect, straight line micro perfs without the cost or the headache!**

Perfect for perfed sheets that need to be processed through a laser printer.

Order Code: PD-DEL-QC/36-FP

Micro-Perforator

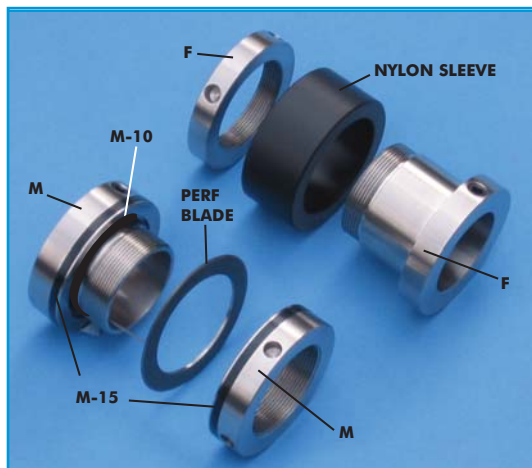
for MCM & DCM Machines

Stock Code: **PD-DEL-QC/36-FP**

Shaft Size: **36mm Exit Shaft**

Outer Diameter: **58mm**

SETTINGS



Contents of Package

1x Male Blade Holder (M):

used to hold the perforating blade whilst material is fed through

1x Female Nylon Sleeve Holder (F):

used to secure nylon during perforating process

1x Black Nylon Sleeve (PD-NY/SL-35):

used on light weight perforating to allow blade pressure onto material

1x Blue Nylon Sleeve (PD-NY/SL-35-B):

used on heavier perforating (250-280gsm upwards), allowing blade pressure on to material

2x Black Gripper Band (M-15):

used to support and feed sheet through the device

Perforating Blades:

17 TPI (MPB-17) (250/280-350gsm)

Blue Nylon Sleeve

17 TPI (MPB-17) (170-250/280gsm)

Black Nylon Sleeve

25 TPI (MPB-25) (100-170gsm)

Black Nylon Sleeve

52 TPI (MPB-52) (65-100gsm)

Black Nylon Sleeve

12 TPI (MPB-12) (optional)

72 TPI (MPB-72) (optional)

1x Perforator Blade Seal (M-10):

used to support and decrease blade movement during operation

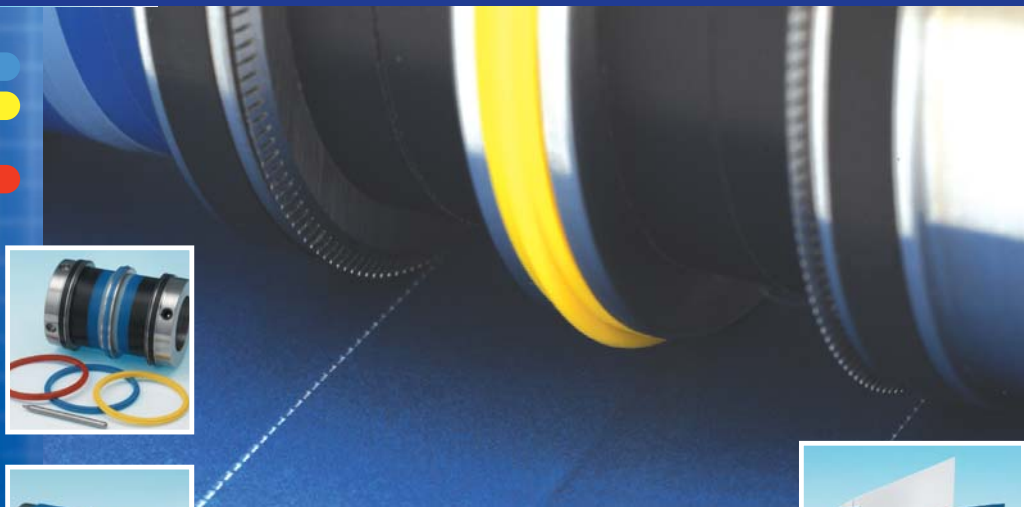
OPTIONAL EXTRA C-SPANNER (C-SPAN 68-75)



Tech 076

CP Applicator

The ultimate close proximity creasing and perforating applicator



Now it is possible to produce two almost invisible micro-perforations as little as 5mm apart. The impressive CP Applicator includes creasing options that can easily be inserted into the middle of two perforations to ensure quality fold positions.

COST EFFECTIVE

This specialised unit is perfect for companies looking for faster and more cost-effective ways of producing vouchers, coupons or rip-out order forms that require tear-off perforations close to the fold.

FULLY ADJUSTABLE

The CP Applicator is fully adjustable to allow quick change over of crease/perforation combination for any given format.

Benefits include:

- Completely unique to the global market
- Replicates the perfect Letterpress or Cylinder flatbed method
- World class precision engineering
- Perforates as little as 5mm away from crease
- Incorporates fine and true micro-perforation options 17, 25 & 52 teeth per inch
- Produces almost invisible as well as flat micro-perforating result
- Incorporates worlds leading and fully patented creasing technology
- 100% money back guarantee

Order Code: CP-AP-QC/36-FP

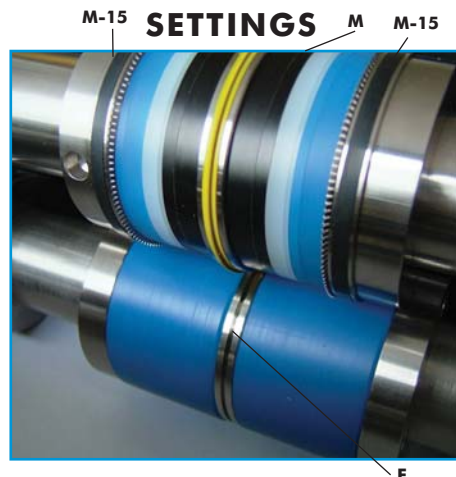
CP-Applicator

Creasing & Perforating Tool for MCM & DCM Machines

Stock Code: **CP-AP-QC/36-FP**

Shaft Size: **36mm Exit Shaft**

Outer Diameter: **58mm**



Contents of Package

1x Male Blade Holder (M):

used to hold the perforating blade and gripper creaser holder whilst material is fed through

1x Orange Female Component (F):

setting groove in which light material (100-150gsm) is pressed

1x Blue Female Component (F):

setting groove in which medium material (150-220gsm) is pressed

1x Yellow Female Component (F):

setting groove in which heavy material (220-350gsm) is pressed

2x Nylon Sleeve Holders:

used to secure nylon during perforating process

2x Black Nylon Sleeve (CP-NY/SL-36):

used on light/medium weighted stocks (65-250gsm), to allow sufficient blade pressure onto material during perforating process

2x Blue Nylon Sleeve (CP-NY/SL-36-B):

used on heavy weight stocks (250-350gsm), to allow sufficient blade pressure onto material during perforating process

1x Gripper Crease Holder:

used to hold the gripper crease into position during creasing process

1x Spacer:

used to replace gripper crease holder during perforating only processes

Perforating Blades:

17 TPI (MPB-17) (250/280-350gsm)

Blue Nylon Sleeve

17 TPI (MPB-17) (170-250/280gsm)

Black Nylon Sleeve

25 TPI (MPB-25) (100-170gsm)

Black Nylon Sleeve

52 TPI (MPB-52) (65-100gsm)

Black Nylon Sleeve

12 TPI (MPB-12) (optional)

72 TPI (MPB-72) (optional)

2x Orange Gripper Crease (M-29):

used to crease light material weights (100-150gsm)

2x Blue Gripper Crease (M-17):

used to crease medium material weights (150-220gsm)

2x Yellow Gripper Crease (M-16):

used to crease heavy material weights (220-350gsm)

2x Black Gripper Band (M-15):

used to feed and support material through device

2x Perforator Blade Seal (M-10):

used to hold perforating blades into position

6x Nylon Sleeve Holder Grub Screws:

used to attach black/blue nylon sleeves onto holder

1x Extraction Tool:

used to remove gripper crease from gripper crease holder

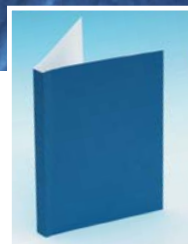
OPTIONAL EXTRA C-SPANNER (C-SPAN 68-75)



Tech 083

Spine & Hinge Creaser

Close proximity creasing solution for Perfect Bound books



The revolutionary Spine & Hinge Creaser was designed to produce up to four close-proximity creases for specialist products such as Perfect Bound book covers and capacity wallets.



Simply by arranging a set of red spacers the Spine & Hinge Creaser can be pre-set to accommodate the correct distance required from crease to crease.

Added Benefits:

- Eliminates cracking
- Produces Letterpress quality creasing
- No ripping or tearing
- Simple to use
- Saves time
- Saves outputting costs

Order Code: SHC-03

Spine & Hinge Creaser

for MCM & DCM Machines

Stock Code: **SHC-03**

Shaft Size: **36mm Exit Shaft**

Outer Diameter: **58mm**

SETTINGS



Contents of Package

M/F 4x Male/Female Components:

12x White Inserts (M-13):

1x Extraction Tool:

used to change insert from male component

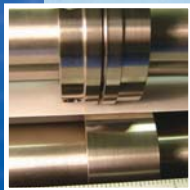
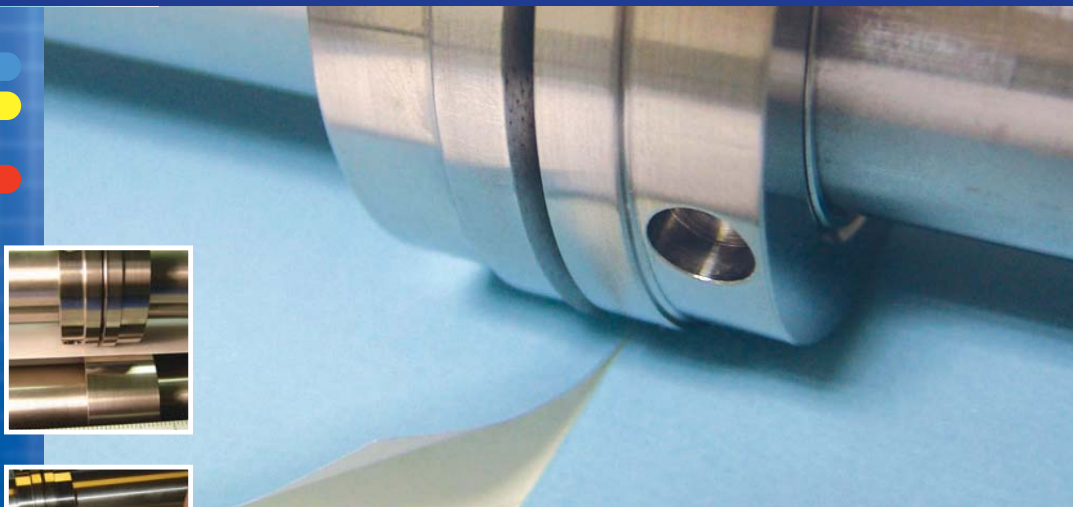
OPTIONAL EXTRA C-SPANNER (C-SPAN 68-75)



Tech 159

Kiss-cutter

Special precision device for label stock



The Kiss-cutter was designed to produce highly accurate semi-slitting on self adhesive material, aiding the affective peel back of labels or similar products. Until now this application was restricted to slow and expensive flat-bed Cylinder methods that required a high degree of technical skill.

This well designed yet simplistic device is also perfect for heavy stock greeting cards, enabling them to lie flat, once folded.

Benefits include:

- Easy to install
- Simple to use
- Accurate and fast
- Precision quality
- Saves time
- Saves outsourcing costs
- 100% money-back guarantee

Order Code: KC-01-36

Kiss-Cutting Unit

for MCM & DCM Machines

Stock Code: **KC-01-36**

Shaft Size: **36mm Exit Shaft**

Outer Diameter: **58mm**

SETTINGS



Additional Information

Special Application for Kiss-Cutting Self-Adhesive labels

Contents of Package

1 x Male Blade Holder (M):

used to hold the blade whilst material is fed through

1 x Female Boss Unit (F):

used to stabilise precision cut

2 x Kiss-Cut Blades (CK-02):

(58.35mm Outer Diameter)

1 x C Spanner (C-Span 68-75):

blade removal tool (optional extra)



Tech 163

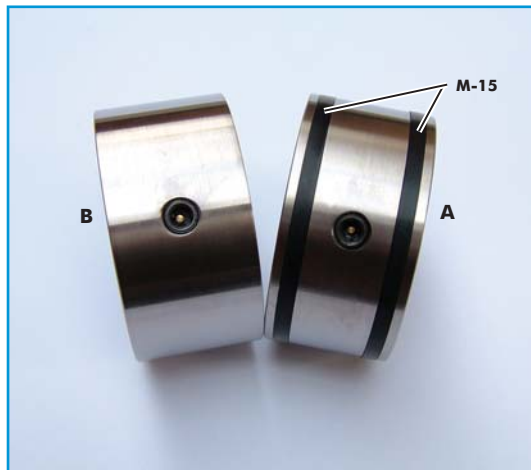
Support Rollers

for MCM & DCM Machines

Stock Code: **QC-GB-01**

Shaft Size: **36mm Exit Shaft**
Outer Diameter: **58mm**

SETTINGS



Additional Information

The installations of these Support Rollers are essential for the operation of the DCM & MCM Machines. Ensuring correct Register and Guidance of the sheet during operation; these Support Rollers are to be installed at either ends of the Shaft(s). 4 pairs are required for the DCM Machines and only 2 pairs are required for the MCM Machines.

Contents of Package

1x Component (A):

contains grippers to feed material through machine

1x Component (B):

acts as a support to guide material

2x Black Gripper Band (M-15):

used to support and feed sheet through device



Tech 077



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