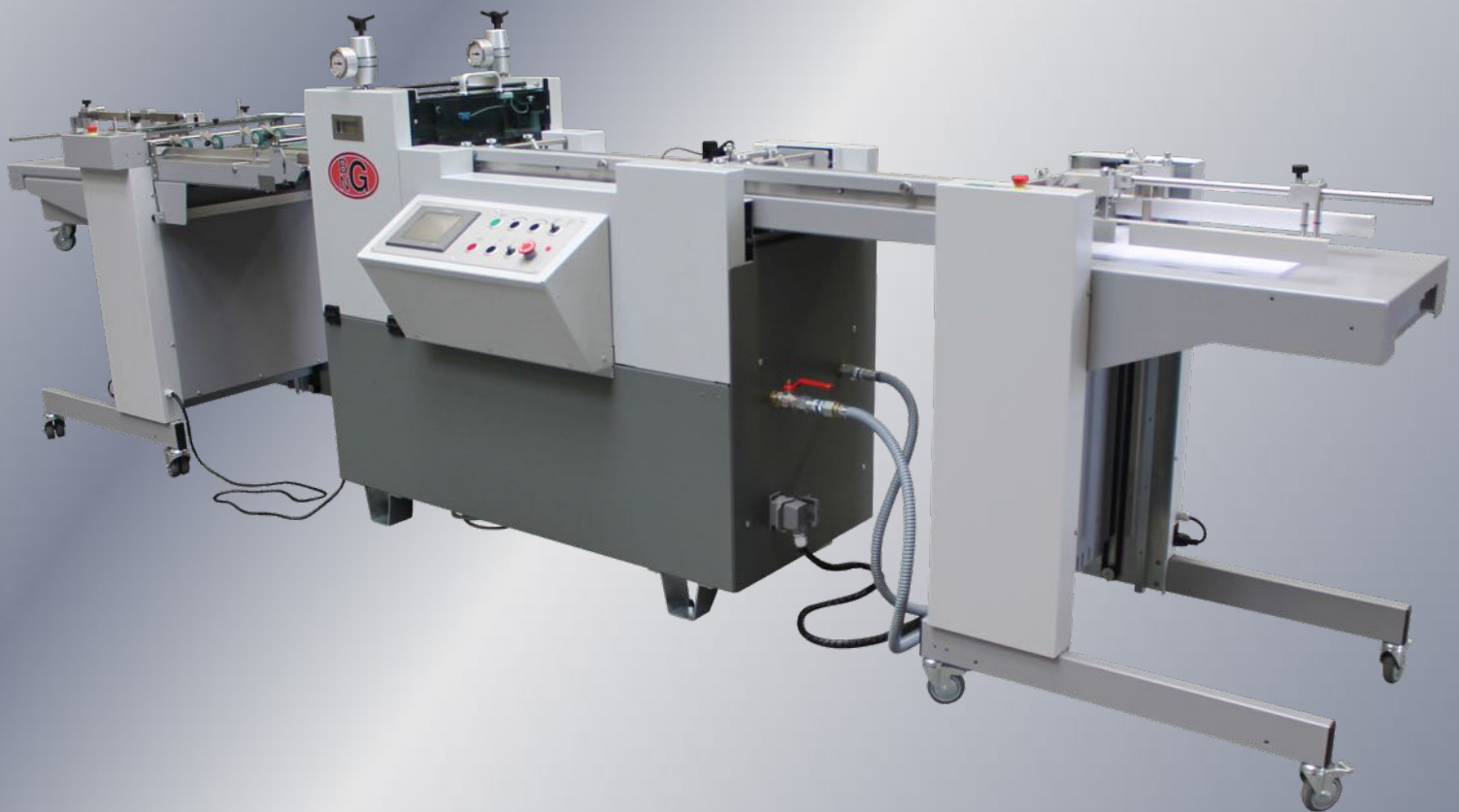


DFC PRO

SHORT RUN ECONOMIC
DIE CUTTING SOLUTIONS
FOR THE PROFESSIONAL



Die cutters

DIE CUTTING

Die cutting is a complex operation requiring stability in machine construction to ensure longevity of the cutting die. Our technology is based on the fast running rotary die cutters used by high performance label web-presses where speeds up to 300 m/min are required (equivalent to 25.000 sheets per hour). Precision bearing construction and temperature control is a critical factor for achieving the very high tolerances demanded as the difference between a good and bad cut is only a few microns. Our standard range of machines is capable of handling a large variety of products and materials. We can offer special creasing solutions for the digital printer avoiding damage to the printed image, a common problem with the traditional creasing methods, special waste removal solutions are also available. The user friendly no tool operation guarantees fast make ready with only a few sheets of waste. The secure and safe design allows the equipment to be used by regular finishing department staff without any specialist press operating skills.

SHEET FED FLATBED SOLUTIONS

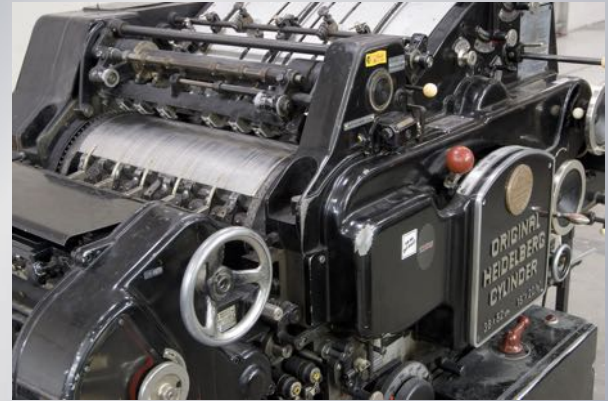
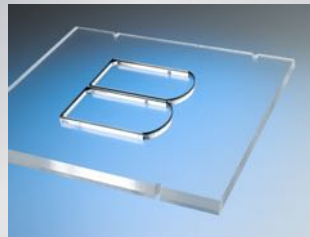


Advantage:

- Cutting of thick materials
- Low investment

Disadvantage:

- Long set up time
- High waste
- Qualified operator required
- Simple cutting shapes
- Dangerous to operate
- Very slow



Advantage:

- Low investment

Disadvantage:

- Long set up time
- High Waste
- Qualified operator required
- Simple cutting shapes
- Dangerous to operate
- Manual waste stripping or guillotine cutting
- Slow

SHEET FED ROTARY SOLUTIONS



Advantage:

- Inline process
- Complex cutting shapes
- Safe to operate

Disadvantage:

- High hourly rate
- Long set up time
- High waste
- Qualified operator required
- Thickness of material limited
- Limited die life

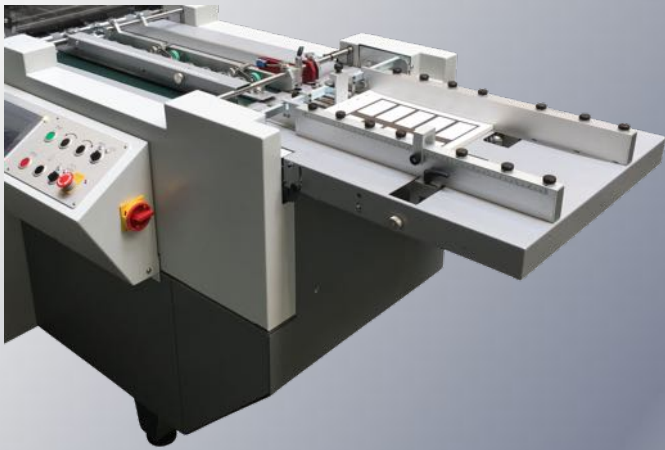


Advantage:

- Fast set up time
- Low waste
- None skilled operator
- Complex cutting shapes
- Low hourly rate
- Fast
- No tool operation
- Safe to operate
- Automatic waste stripping

Disadvantage:

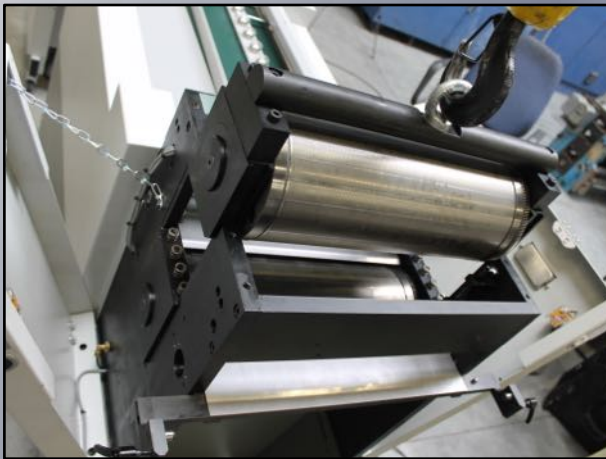
- Thickness of material limited



Short run pack feeder



High performance pile feeder



both cylinders are exchangeable

This machine offers you the possibility to

- Cut through
- Kiss cut
- Emboss
- Crease

Simply by putting the die on the magnetic cylinder you can process regular or irregular shaped products with materials such as:

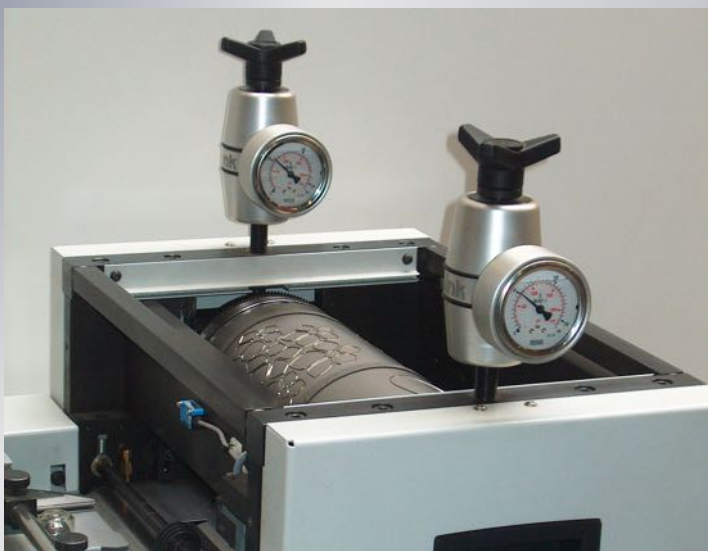
- Paper
- Cardboard
- Pressure sensitive materials of any kind
- Laminated foils
- Plastic materials

Standard features of the DFC PRO series are:

- Modular construction
- High performance pile feeder or short run pack feeder
- Single die operation for die cutting only
- Male and female die for cut and crease
- Plate mounting assistant for double die operation
- Double sheet detection
- Hydraulic pressure gauges
- Registration on printed image
- Automatic waste removal possible as option
- High tech motion control drive
- Job storage function
- Very compact design



Control panel



Die cylinder with hydraulic pressure gauges



Double sheet detection

TECHNICAL SPECIFICATION

Parameters	DFC PRO SRA3	DFC PRO SRA2	DFC PRO SRA2+
Min. sheet size in mm	160 x 120	160 x 120	160 x 120
Max. sheet size in mm	500 x 350	640 x 450	711 x 450
Min. substrate thickness in micron	50	50	50
Max. substrate thickness in micron	700*	700*	700*
Feeder	pack or pile	pack or pile	pack or pile
Stack/pile height in mm	60 or 630	60 or 630	60 or 630
Standard die thickness in mm	0,8 / 1,0 / 1,2	0,8 / 1,0 / 1,2	0,8 / 1,0 / 1,2
Circumferential register	360 °	360 °	360 °
Lateral adjustment in mm	5 +/-	5 +/-	5 +/-
Type of anvil	standard or magnetic	standard or magnetic	standard or magnetic
Circumference die cylinder in mm	508	647,7	711,2
Circumference anvil cylinder in mm	508	647,7	711,2
Speed in sheets/hour with register control	6000**	6000**	6000**
Dimensions in cm (approx.)	300 x 80 x 110	300 x 90 x 115	300 x 90 x 115
Power	3x400V/16A	3x400V/16A	3x400V/16A
Weight in Kg. (approx.)	530	650	750

Remarks: * Depending on die thickness
 ** Depending on size, substrate and shape of cut

PRODUCT SAMPLES



Booklet



A 4 folder



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