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
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
## TECHNICAL SPECIFICATION

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

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

## PRODUCT SAMPLES

- Booklet
- A 4 folder

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