



## CCS-310 Card Cutting System



CCS-310, compact and well accessible execution with integrated automatic magazinging of ID-1 cards.

... check the edge ...  
the other card cutting solution

- ID-, bank-, chip-, health- and credit - cards; driver license and more
- PC, PVC, PET-G, ABS and other materials
- Only one die to cut all materials
- absolutely burr-free cut quality

### CCS-310

Innovative punching technology developed by Blumer has enabled us long ago to prove that we are capable of processing polycarbonate (PC). Now we are taking it a step further...

How about cutting the most varied materials with one and the same die, and this in an absolutely burr-free, so far unheard-of cut quality?

Building on Blumer's globally recognized excellence in punching of labels and other products, a new cutting process has also been developed for the cards sector. No matter whether PC, PVC, PET-G, ABS or other materials are cut from the sheet, the applied die will more than prove its worth in each case. See for yourself and be convinced that never before has such a high edge quality been achieved. Different materials, only ONE die at an attractive price, but the same top quality for all cards, of course in compliance with the ISO/IEC 7810 format. The CCS-310 is undoubtedly setting new benchmarks in the field of card punching.

**CCS-310 Tool**  
A high precision tool, suited for all materials, guarantees a consistently flawless edge quality. The die crowns are fitted to corresponding mounting plates, which are manufactured to match the offset between the cards exactly.  
The dies endure long production runs and may be re-sharpened up to ten times. Changing the tool is completed following a few simple steps.



### CCS-310 Combi

Machines that can be used universally are becoming more important today; to find applications in different areas helps justify the initial investment earlier. The CCS-310 Combi is one of these solutions: it finds use in the manufacture of cards as well as passport data-pages. The advantage is that a producer of cards benefits from all the features of the CCS-310 while cutting conventional cards but reserves the option to switch to the production of passport data-pages (composed of PC and other materials). By using a suitable tool (the same technology used for cards) it is now possible to produce highly precise, scratch-free passport data-pages efficiently.

Criteria	CCS-310	CCS-310 Combi
Processable card material	PC, PVC, PET-G, ABS, polyester, plastic laminated material	PC, PVC, PET-G, ABS, polyester, plastic laminated material
<b>Sheet format</b>		
- Sheet length cards (7 to 10 cards)	440 - 670 mm	440 - 670 mm
- Sheet width cards (3 cards)	292 - 340 mm	292 - 340 mm
- Sheet length: 4 passport data-pages	--	440 - 670 mm
- Sheet width: 2 passport data-pages (two-up)	--	292 - 340 mm
- Sheet thickness	0.5 - 1 mm	0.35 - 1 mm (Losses of performance are possible up to a thickness of 0.5 mm)
<b>Card (ISO/IEC 7810) format</b>		
<b>Passport data-page format</b>		
- Card width	85.47 - 85.72 mm	85.47 - 85.72 mm
- Card height	53.92 - 54.03 mm	53.92 - 54.03 mm
- Card corners	R = 3.18 mm	R = 3.18 mm
- Cut to print tolerance	0.10 mm	0.10 mm
- Passport data-page width	--	up to max. 310 mm
- Passport data-page height	--	80 - 112 mm
Capacity (gross)	up to 19'000 cards/h	Cards: up to 17'000 cards/h Passport: 4'000 pieces/h, two-up
Change-over time from the production of cards to passport data-pages: Approx. 3 hours		
<b>Options:</b>		
<b>Double-size sheet converter</b>		
- Length of sheet: 7 - 10 cards, 440 - 670 mm		
- Width of sheet: 2 x 3 cards, 584 - 680 mm		
<b>Fully automatic magazin unit</b>		
- Up to 10 magazines, exchange automatically to allow emptying while cutting continues.		
<b>Processing of extra small sheets</b>		
- Length of sheet: 3 x 6 cards, min. 400 mm		

