

FORMING THE FUTURE



C-FRAME PRESSES 250 – 2,500 KN

C-BASELINE. RELIABLE PRESSES FOR MANUAL OR AUTOMATIC OPERATION.



CBL 40

RELIABLE, COMPACT, ROBUST.

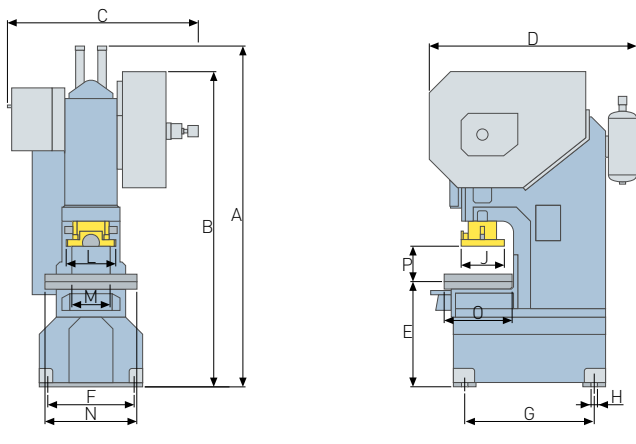
Type C-BASEline models enable the cost-effective production of small and very small series. C-frame presses with press forces of 25 and 40 tons are popular for their space-saving size and simplicity. Due to a robust and stable design, these compact presses are durable and long-lasting. Equipped with a time-controlled recirculating oil lubrication system, they are also low-maintenance.

C-BASEline presses are very easy to start up and are ready to operate in a short amount of time. Fast commissioning and press reliability play critical roles in modern production conditions. Standardized and modular design guarantees this and also results in high-quality production.

THE ADVANTAGES

- Press activation using two-hand control, foot pedal or light curtain
- Slide counterbalance regulated by way of two pneumatic cylinders (CBL 40)
- Two-channel safety control system
- The 4-fold sliding guide of the press ram guarantees tilting rigidity
- Manual stroke and slide adjustment for quick refitting
- Overload protection for safeguarding press and die

FACTS AND FIGURES



C-BASEline

TECHNICAL DATA

	MODEL	CBL 25	CBL 40
Press force [kN]		250	400
Operating mode		Manual operation	Manual or automatic operation
Working capacity [m/a]* [J]		500/-	790/900
Drive power [m/a]* [kW]		1.5/-	2.2/4
Stroke rate [m/a]* [1/min]		150/-	140/60-140
Slide dimensions, L x J [mm]		220 x 160	370 x 300
Bed dimensions, N x O [mm]		465 x 360	650 x 480
Shut height, P [mm]		270	240
Pass-through hole in the bed [Ø] [mm]		110	120
Opening in the press frame (downwards), M [mm]		260 x 170	250 x 230
Opening in the press frame (backwards), M [mm]		230	270
Thickness of the bed plate [mm]		48	53
Centering hole in the slide [Ø] [mm]		30	50
Slide adjustment [mm]		50	70
Stroke adjustment [mm]		5-75	5-100
Depth of throat [mm]		180	220
Weight with standard equipment [kg]		2,000	3,000

DIMENSIONS

	MODEL	CBL 25	CBL 40
Height of the press, A [mm]		2,125	2,440
Width of the press, C [mm]		1,180	1,270
Depth of the press, D [mm]		1,200	1,480
Height of the bed (incl. clamping plate), E [mm]		845	743

* m=manual operation /a=automatic operation. Subject to technical modifications.

C-FLEXLINE.

MODULAR DESIGN OF PRESSES FOR MORE FLEXIBILITY IN PRODUCTION.



CFL 63 "comfort" with foot pedal.

MODULAR, FLEXIBLE, ERGONOMIC.

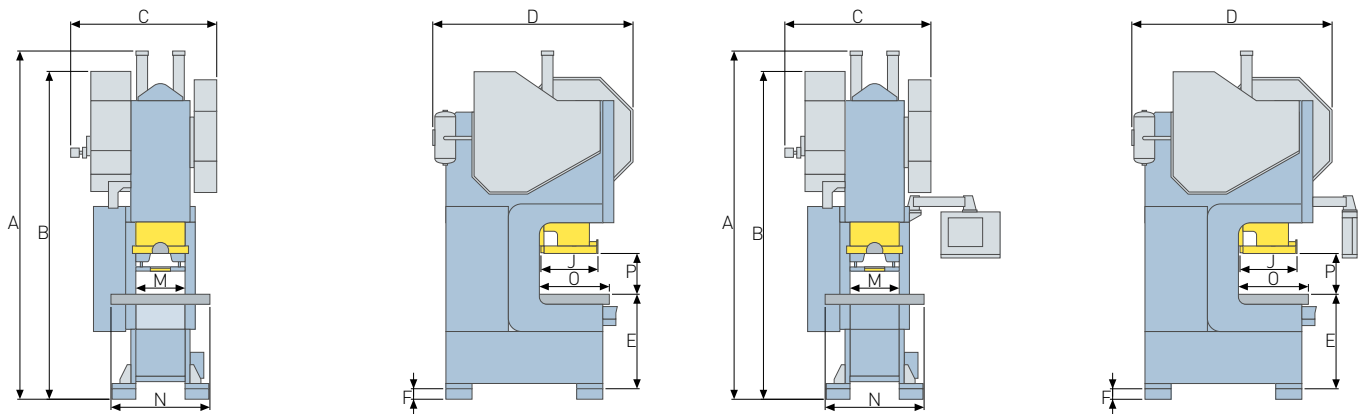
The modular design of the C-FLEXline makes quick and ergonomic retrofitting possible for changing production conditions – from manual operation through to fully automatic production. The compact and at the same time ergonomic design of the press is space-saving and user-friendly.

Two different control concepts also adapt the presses to the individual customer requirements: The »eco« design has an easy-to-use control with text display integrated into the control cabinet. The »comfort« model has a 12-inch multifunction touch panel with swiveling arm and enables remote diagnosis via Internet.

THE ADVANTAGES

- Modular design of presses for more flexibility in production
- Long-lasting press frames due to stress-relief annealing
- Ergonomic press design with regard to leg room and work height
- Back gears for high working capacity even at low stroke rates
- Slide speed regulation is infinitely variable using the frequency converter
- Machine and die are safeguarded by hydraulic overload protection
- Quick and safe refitting of the press through manual or motor-driven stroke and slide adjustment, brake resistance and inching in forward and reverse drive
- Electronic cam switch module for the precise angle control of peripheral devices using process monitoring functions (»comfort« version)
- The tilt-resistant slide guiding by prestressed, low-maintenance and wear resistant roller guides guarantees precise parts and a long die life

FACTS AND FIGURES



C-FLEXline »eco«

C-FLEXline »comfort«

TECHNICAL DATA

MODEL	CFL 63	CFL 100	CFL 160	CFL 250
Press force [kN]	630	1,000	1,600	2,500
Working capacity [J]	2,750	6,000	17,000	23,000
Drive power [kW]	4	7.5	18.5	18.5
Stroke rate [1/min]	30-120	30-90	20-70	20-60
Slide dimensions, L x J [mm]	470 x 415	540 x 515	850 x 635	1,000 x 742
Bed dimensions, N x O [mm]	820 x 590	950 x 660	1,250 x 750	1,400 x 860
Shut height, P* [mm]	320	370	440	470
Pass-through hole in the bed [Ø] [mm]	165	165	165	165
Opening in the press frame (downwards backwards) [mm]	310 x 320 410	410 x 370 470	510 x 440 510	630 x 530 630
Thickness of the bed clamping plate [mm]	75	95	115	115
Centering hole in the slide [Ø] [mm]	50	50	60	60
Slide adjustment [mm]	100	100	110	130
Stroke adjustment [mm]	8 - 120	10 - 130	12 - 180	19 - 250
Depth of throat [mm]	280	334	370	442
Weight with standard equipment [kg]	5,000	7,000	14,000	23,000

DIMENSIONS

MODEL	CFL 63	CFL 100	CFL 160	CFL 250
Height of the press, A [mm]	3,070	3,225	3,780	4,420
Height of the press (without compensating cylinder), B [mm]	2,830	3,045	3,520	4,100
Width of the press, C [mm]	1,360	1,500	1,800	2,150
Depth of the press, D [mm]	1,700	1,950	2,460	3,000
Height of the bed (incl. clamping plate), E [mm]	863	903	1,005	1,005
Height of damping elements (Beutler standard), F [mm]	Approx. 90	Approx. 90	Approx. 100	Approx. 100
T-slots bed clamping plate / DIN 650 [mm]	a=22	a=22	a=22	a=22

* Largest stroke bottom, slide adjustment on top, without clamping plate. Subject to technical modifications.

CSC 100. STAMPING WITH SERVO DIRECT TECHNOLOGY.



Stamping press CSC 100 with five preprogrammed slide movement curves for blanking, embossing, bending, drawing and forming.

STAMPING PRESSES WITH SERVO DIRECT TECHNOLOGY.

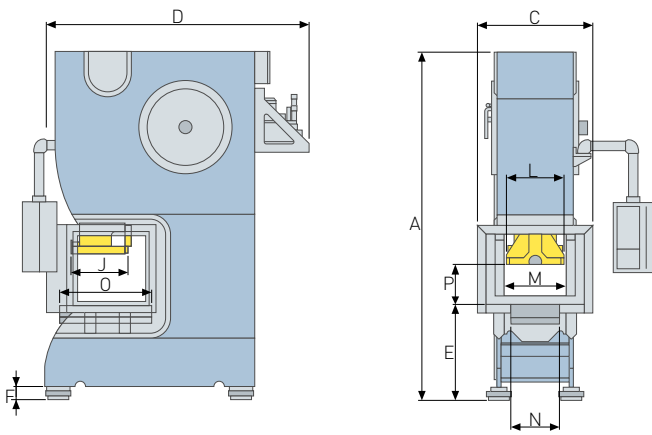
The new generation of ServoDirect Technology is a big plus in cost-effectiveness for stamping presses. The individual adaptation of the height of the stroke in combination with an oscillating movement of the torque motor (pendulum stroke) leads to a clear increase in output. In addition, the optimal adaptation of the slide kinematics to the process parameters achieves a higher part quality and an increased die life.

The oil- and play-free drive concept passes the test time and again. It increases process safety considerably, because the mixing of press lubricants is no longer possible. Therefore, this press generation is also ideal for the packaging and food industries.

THE ADVANTAGES

- Clear increase in outputs in comparison to conventionally driven mechanical presses
- Preprogrammed slide movement curves and an optional curve generator ensure maximum flexibility in production
- Easy and intuitive operation using the touchscreen with individually configurable menu, shopping cart and favorites functions
- Longer die life through the optimal adaptation of the slide movement to the process parameters
- Condition-based maintenance concept with integrated maintenance plan
- Drive concept refrains from the use of lubrication oil, thus resulting in greater process safety

FACTS AND FIGURES



CSC 100 with one connecting rod

TECHNICAL DATA

	MODEL	CSC 100
Press force [kN]		1,000
Power input [kVA]		69
Drive power [kW]		30
Slide dimensions, L x J [mm]		550 x 460
Opening in the press frame (backwards), M [mm]		410
Clamping plate, N x O [mm]		950 x 660
Opening in the bed (downwards) [mm]		280 x 590
Slide adjustment [mm]		80
Max. stroke rate (continuous mode) [1/min]		70
Max. stroke rate (pendulum mode) [1/min]		130
Slide stroke [mm]		20 - 160
Shut height [mm]		370
Weight with standard equipment [kg]		7,500

DIMENSIONS

	MODEL	CSC 100
Height of the press, A* [mm]		3,320
Width of the press, C [mm]		1,225
Depth of the press, D [mm]		2,520
Height of the bed (incl. clamping plate), E* [mm]		925
Width of the press frame, F [mm]		85
Depth of the press frame, G [mm]		-

* Incl. dampening elements. Subject to technical modifications.



<http://www.beutler-nova.ch>

Learn more. Simply scan the QR code with the camera on your smartphone or tablet.

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