

NEW

C-Line

Powder Compacting Presses



The new LAUFFER C-Line Powder Compacting Presses

Developed to meet the latest demands of an efficient and cost-effective P/M part production, LAUFFER's new generation of C-Line machines is powered by energy-saving servo-hydraulic drives and features a reduced footprint and system height vs. previous press models. Furthermore, ergonomic machine operations have been an important focus during the development phase of the new system, during which the LAUFFER engineering team has used the latest 3D- and VR-design methods to optimize the user experience and the long term maintenance of the system.

The C-Line at a glance

- Electronically controlled axes, without mechanical stops
 - Synchronous compaction, i.e. all press axes reach the press position simultaneously
 - Minimized footprint and system-height
 - Servo-hydraulic drives for reduced energy consumption
 - Optimized ergonomics
 - Proportionally controlled oil-cooling system
 - Complete housing with additional dirt barriers
 - Reduced noise levels
 - Integrated powder filling system
- Optional**
- Sealed-off oil tanks without air exchange with the ambient air
 - Tool handling system

Technical Data C-Line

Models & Details	Unit	63	80	120	160	250	320
1. UPPER LEVEL	X1						
Pressing force	kN	630	800	1200	1600	2500	3200
Stroke	mm	250	250	300	300	350	350
2. UPPER LEVEL	X2						
Pressing force	kN	320	320	750	750	1500	1500
Stroke	mm	40	40	45	45	50	50
3. UPPER LEVEL	X3						
Pressing force	kN	320	320	500	500	1000	1000
Stroke	mm	40	40	45	45	50	50
DIE PLATEN	Y1						
Counter force	kN	500	500	750	750	1500	1500
Withdrawal force	kN	220	220	400	400	800	800
Stroke	mm	120	120	150	150	150	150
1. LOWER LEVEL / fix	Y0						
Pressing force	kN	800	800	1600	1600	3200	3200
2. LOWER LEVEL	Y2						
Pressing force	kN	320	320	750	750	1500	1500
Stroke	mm	80	80	100	100	120	120
3. LOWER LEVEL	Y3						
Pressing force	kN	320	320	500	500	1000	1000
Stroke	mm	80	80	100	100	120	120
4. LOWER LEVEL	Y4						
Pressing force	kN	-	-	-	-	500	500
Stroke	mm	-	-	-	-	120	120
CORE ROD	Y5						
Pressing force	kN	90	90	100	100	100	100
Withdrawal force	kN	30	30	30	30	30	30
Stroke	mm	120	120	150	150	150	150
POSITION ACCURACY							
Upper levels	mm	±0,001	±0,001	±0,001	±0,001	±0,001	±0,001
Lower levels	mm	±0,001	±0,001	±0,001	±0,001	±0,001	±0,001
SET UP							
On floor		✓	✓	✓	✓	✓	✓
In pit				✓	✓	✓	✓



C-Line 80



C-Line 320

