



MC AND MCL SERIES



Features and benefits

- Flexible installation options as a single press in progressive or transfer mode or as fully automated press line
- The compact design requires little floor space and no foundation at presses below 4,000 kN press capacity
- The very solid, low-stress annealed press bodies are FEM-calculated and optimized by so-called “hot-spot analysis” in areas which are subject to higher loads
- Motor, clutch/brake unit, lubrication system and controls are of German origin and guarantee a long service life and maximum dynamics
- The slide guiding system ensures a high level of tilting rigidity and reduces the cutting impact during the cut through when it comes to the processing of higher-strength materials

Overview

- Type: Stamping presses
- Press capacity: 3,000-10,000 kN
- Part size: small to medium
- Drive concept: crank (MC), scotch yoke (MCL)
- Application: blanking, stamping, bending, embossing, drawing

Description

Compact presses for a wide range of small to medium sized parts. Due to its drive-related slide kinematics, the MCL series is particularly suitable for drawn parts.

Standard equipment

- Electrical lifting gate with safety glass windows
- Electrical slide adjustment, mechanical slide locking, pneumatic slide counterbalance
- Air-cooled, frequency-controlled AC motor
- Hydraulic unit and lubrication unit with progressive distributor
- Hydraulic overload protection
- Press force monitoring (single and sum force)
- Vibration isolation with spring dampers
- VPN interface for remote maintenance

Options

- Press force monitoring (signature curve)
- Different press enclosure concepts for noise reduction
- Die change systems with retractable die clamping plate or tandem die change carts
- Manual scrap flaps
- Hydraulic die clamps with automatic clamping process

Technical specifications

Model	MC-300	MC-400	MC-600	MC-800	MC-1000
Press capacity in kN	3,000	4,000	6,000	8,000	10,000
Stroke rate in 1/min	25-80	15-70	15-60	15-50	15-45
Slide stroke in mm	250	300	350	350	350
Slide adjustment in mm	150	200	250	250	300
Die height* in mm	550	600	800	800	900
Slide dimensions in mm	2,600 x 1,000	2,500 x 1,300 3,200 x 1,300	3,200 x 1,500 4,000 x 1,500	3,200 x 1,500 4,000 x 1,500	3,200 x 1,500 4,000 x 1,500
Bolster dimensions in mm	2,700 x 1,100	2,500 x 1,300 3,200 x 1,300	3,200 x 1,500 4,000 x 1,500	3,200 x 1,500 4,000 x 1,500	3,200 x 1,500 4,000 x 1,500

Model	MCL-200	MCL-300	MCL-400	MCL-600	MCL-800
Press capacity in kN	2,000	3,000	4,000	6,000	8,000
Stroke rate in 1/min	35-70	20-40	20-40	15-50	15-40
Slide stroke in mm	150	250	300	350	350
Slide adjustment in mm	120	120	150	250	250
Die height* in mm	450	600	700	800	800
Slide dimensions in mm	1,850 x 650	2,600 x 1,000	2,800 x 1,300	4,000 x 1,500	4,000 x 1,500
Bolster dimensions in mm	1,850 x 850	2,600 x 1,100	2,800 x 1,300	4,000 x 1,500	4,000 x 1,500

*Slide stroke down, adjustment up (SDAU) | All models in 2-point design | Subject to technical modifications