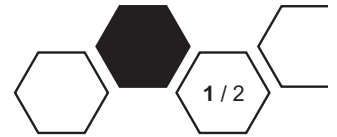


## XMP 120 – modular and therefore flexible in use



A press-in unit with huge modularity. The XMP, which is designed from standardised components, is based on a modular principle and provides a flexible solution for your assembly process for simple as well as for complex tasks.

XMP, the electromechanical press-in unit with the „X“ – the crossover of experience and innovation combines the best of the QMP and SMP series with future-oriented press-in technology.

**Gear modules for a process optimized movement speed.**

**Offers many possibilities like e.g. mounting of a customers motor and configuration with motor holding brake, holding brake or backstop.**



The space-saving control system with integrated servo controller is used for the evaluation of curves and their documentation as well as for the control of the XMP press-in unit.

Thanks to the variability of our press-in procedures, you have a high-performance system for the use in the quality critical assembly.

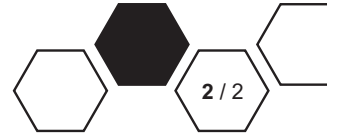


**Fast system integration and error-free setup.**  
The decentralised intelligence of the XMP transmits the characteristic data via Plug-and-Play.

For a visual support during the assembly the large illuminated field shows the process status, the direction of movement and the position of the plunger.

**Absolute stroke / length measuring system makes a reference movement unnecessary.**

**Different variants of the load cell, also available as redundant version.**



Max. force, nominal load	30 / 50 / 75 / 100 kN
Drive motor	electronically controlled, maintenance-free servo motor
Motor mounting	180° turned with offset gear
Options motor	Motor holding brake (e.g. hold tool) Execution customer motor
Stroke	200 mm / 400 mm
Nominal speed	Motor 1M + Gear 3Z 500 mm/s (max. 30,0 kN) Motor 2M + Gear 3Z 320 mm/s (max. 50,0 kN) Motor 1M + Gear 5Z 270 mm/s (max. 50,0 kN) Motor 2M + Gear 5Z 170 mm/s (max. 100,0 kN)
Holding time	max. 2,5 s with backstop any time with holding brake max. 999 s
Executions load cell	KU: Bottom, in the plunger RU: Bottom, in the plunger, redundant
Measurement direction	DR: Press DZ: Press and pull
Measuring principle	Digital DMS technology, drift-free force measurement
Accuracy force measurement	0,5 % of the final value
Execution stroke/length measurement	Absolute stroke measuring system, enables absolute and relative stroke measurement
Stroke/length repeat accuracy	< 0,01 mm (by about 20 mm/s)
Resolution	0,003 mm
Plunger	Recirculating ball screw; non-rotating plunger
Max. weight of additional tool	15 kg / 50 kg with motor holding brake
Assembly	Face side, screws and centering via fitting collar; installation position vertical / horizontal
Service	Low maintenance: Lubrication interval 600.000 cycles; Repair-friendly: Certain components can be replaced by the user without adjustment.

Designation, size press-in unit	Force [kN]	Stroke [mm]	Motor	Gear	Measuring direction	Option	Force measuring	Option to combine	Plunger	
<b>XMP 120 / 50 - 200 - 2M - 5Z - DR - MB - KU - 00 - 00</b>										
<i>Example</i>	30	200	1M	3Z	DR	MB	KU	MB	99	
	50	400	2M	5Z	DZ	HB	RU	HB		
	75		0M	0Z		RS		RS		
	100		KM			SL		SL		
						LE		LE		

1M = Motor BSR48130  
 2M = Motor HBR63150 + MB  
 0M = Special motor  
 KM = Customer motor  
 3Z = 500 mm/s (1M) / 320 mm/s (2M)  
 5Z = 270 mm/s (1M) / 170 mm/s (2M)  
 0Z = Special gear  
 DR = Press  
 DZ = Press and pull  
 00 = Standard  
 MB = Motor holding brake  
 HB = Holding brake  
 RS = Backstop  
 SL = Sealing air connection  
 LE = Fan unit  
 KU = Force bottom (in the plunger)  
 RU = Force bottom redundant  
 99 = Special

