XMP 60 – 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 module for a process optimized movement speed.

High precision reliable servo motor.

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.

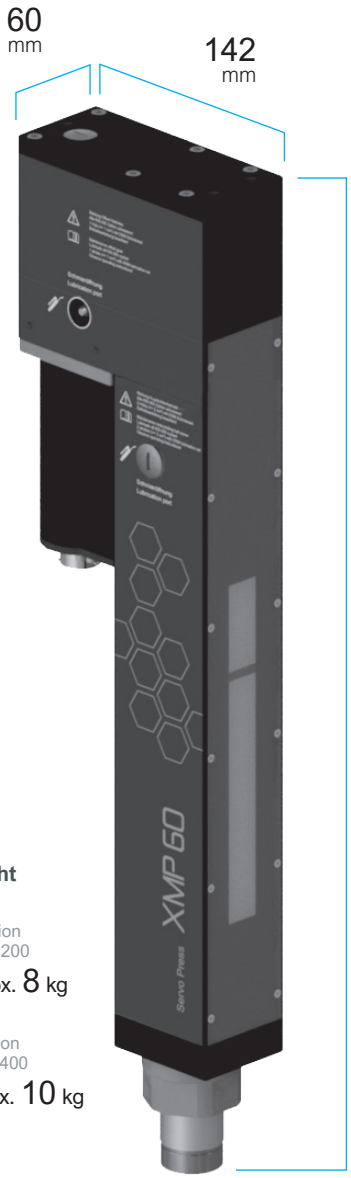
For a visual support during the assembly the large illuminated field shows the process status, the direction of movement and the position of the plunger.

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

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

DSM Messtechnik GmbH
Dieselstraße 16
73431 Aalen, Germany

info@dsm-messtechnik.de
www.dsm-messtechnik.de



Weight

Execution
Stroke 200
approx. 8 kg

Execution
Stroke 400
approx. 10 kg

Max. force, nominal load	0,5 / 1 / 2 kN
Drive motor	electronically controlled, maintenance-free servo motor
Motor mounting	180° turned with offset gear
Options motor	Execution customer motor
Hub	200 mm / 400 mm
Nominal speed	Gear 4Z 300 mm/s (max. 2,0 kN)
Holding time	max. 2,5 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	Digitale DMS technology, drift-free force measurement
Accuracy force measurement	0,5 % of the final value
Execution stroke/length measurement	Absolute stroke/length 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
Assembly	Face side, screws and centring 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]		Gear		Measuring direction		Option		Force measuring		Option to combine		Plunger
XMP 60	/	005	-	200	-	4Z	-	DR	-	00	-	KU	-	00	-	00
Example		005 01 02		200 400		0Z		DR DZ		SL LE 0M KM		KU RU		SL LE KM		99

0M = Special motor
KM = Customer motor
4Z = 300 mm/s
0Z = Special gear
DR = Press
DZ = Press and pull
00 = Standard
SL = Sealing air connection
LE = Fan unit
KU = Force bottom (plunger)
RU = Force bottom redundant
99 = Special

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