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## EL1-*pm*: Mixer with process monitoring

Our smallest mixer was first produced in 1987 and since then has been developed continuously to the requirements of our customers. Now we have totally redesigned and improved the mixer EL1 and changed its reference number to EL1-*pm*.

The newly developed control panel with touch pad is much easier to operate. A computer interface for data-logging is standard. Also the heating and pressure control system is integrated in every mixer. The mixer itself is improved regarding the pressure characteristics. The homogenizer motor is now smaller and much more stable than before. The new lid is designed according to the GMP guidelines. All parts can be removed easily and the whole lid is dead space free. Additionally, the lid can be adapted now much better to the individual requirements of the customer because of an optimized arrangement of all components. What has not changed is the broad application range of this mixer, the absolute homogenous mixing result and the easy cleaning process.



EL1-*pm*: PM stands for „professional mixing“ and „process monitoring“.

### Options:

- Software for data-logging
- Dead space free bottom outlet
- Ph- and torque control
- Factory Acceptance Test, IQ/OQ
- Double jacket vessel in stainless steel
- Vacuum pump
- Heating/cooling system

For more information about batch mixers for research and production, jet mills for grinding and dead space free sampling valves of ESCO-Labor visit our website [www.escolabor.com](http://www.escolabor.com).

### Technical data of EL1-*pm*:

Total volume:	1300ml
Net volume:	1000ml
Material:	1.4435, glass
Double jacket vessel:	yes
Temperature control:	yes
Vacuum control:	yes
Scraper:	300 RPM
Power:	90 Watt
Homogenizer:	20'000 RPM
Motor of homogenizer:	fremdbelüftet
Power:	500 Watt
Voltage:	240
Dimension in cm:	~ 110 x 70 x 35
Weight in kg:	~ 30kg
Interface:	RS-232
Seals:	Viton, others on request
Connections on lid:	Tri-Clamp