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EL-*pm* range: Mixers 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 lab 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.

After the successful market introduction of our new EL1-*pm*, we are offering our 3, 10 and 20 litre mixers also as a *pm*-version. **EL3-*pm***, **EL10-*pm*** and **EL20-*pm*** offer the same advantages as the EL1-*pm*. EL1-*pm* and EL3-*pm* are available with a glass vessel.



EL1-*pm* with glass vessel including bottom outlet valve.

Available options for all *pm*-mixers:

- Dead space free bottom outlet
- Piston valves, sampling valves
- Ph- and torque control
- Factory Acceptance Test, IQ/OQ
- Vacuum pump
- Heating/cooling system



EL3-*pm*: PM stands for „professional mixing“ & „process monitoring“.

Technical data of the EL3-*pm*:

Total / net volume:	4200ml / 3000ml
Material:	1.4435
Double jacket vessel:	yes
Temperature control:	yes
Vacuum control:	yes (-1/+4 bar)
Scraper:	300 RPM
Power:	175 W, i=12,25
Homogenizer:	20'000 RPM
Motor of homogenizer:	fremdbelüftet
Power / Voltage:	500 Watt / 240 V
Dimension in cm:	~ 110 x 70 x 35
Weight in kg:	~ 60kg
Interface:	RS-232, USB adapter
Seals:	Viton, others on request
Connections on lid:	Tri-Clamp

For more information about ESCO-Labor visit our website www.escolabor.com.