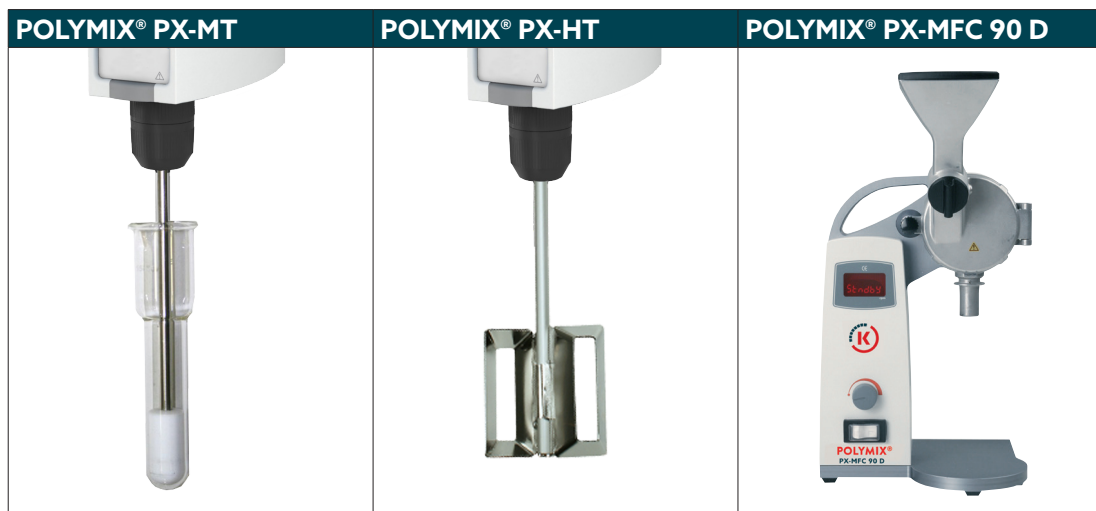


POLYMIX® PX-MT (Medium-throughput) stirrer for simple and efficient homogenising applications, includes the drive with a light and well readable LCD-Display showing speed, actual number of rotations, torque and remaining time of processing.

The POLYMIX® PX-HT (High-throughput) stirrer for processing of high viscous products includes drive and unique KINEMATICA POLYMIX® KD-stirrer, drive holder, vessel holder and ST-P 20/600 plate-stand.

The lab mill POLYMIX® PX-MFC 90 D with exchangeable milling attachments and sieves with mesh sizes from 0.2 to 6 mm is suitable for all dry milling applications in the lab. Thanks to the powerful drive unit with LED display and high speed level the mill can process dried, non-fatty, hard and brittle products such as Cereals, corn, roasted coffee, beans, bones, stone, mortar, etc., as well as dried, non-fatty, stringy and ductile products such as Wood, leaves, straw, dried degreased meat, wool, cotton, paper, synthetic materials, etc.

The systems MICROTRON® MB 950 G and MB 950 S are specially designed for mixing, dispersing, homogenizing, emulsifying and size reduction of cuttable materials. The MB 950 G is available with different attachments made from glass for volumes between 125 and 1000 ml. The MB 950 S is available with mixing attachments made from stainless steel with volumes of 2 l and 4 l. The systems MB 950 G and MB 950 S are safety laboratory devices - grounded, double safety isolated, radio screened. A safety system prevents uncontrolled starting and therewith personal injuries.



Model / Series	For volumes	Speed max.	Power	Further Description, Options
<b>POLYMIX® Lab Stirrers</b>				
<b>PX-MT</b> Automatic Mortar/Pestle homogenizing system	up to 40 l	2'000 rpm	190 W	<ul style="list-style-type: none"> <li>- Electronic speed control from 50 up to 2000 rpm</li> <li>- Working volume - up to 40 liter (water)</li> <li>- Max. torque - 80 Ncm</li> <li>- LCD-Display</li> <li>- Suitable for liquids with viscosity up to 50'000 mPa·s</li> <li>- chuck can be fixed with only one hand - without tools</li> </ul>
<b>PX-HT</b> Stirrer for high viscous applications	up to 70 l	1'200 rpm	190 W	<ul style="list-style-type: none"> <li>- Electronic speed control from 20 up to 1200 rpm</li> <li>- Working volume - up to 70 liter (water)</li> <li>- Max. torque - 120 Ncm</li> <li>- Suitable for liquids with viscosity up to 100'000 mPa·s</li> <li>- Softstart for avoiding splashing and bubbles</li> <li>- Chuck can be fixed with only one hand - without tools</li> </ul>
<b>POLYMIX® Lab Grinding Mills</b>				
<b>PX-MFC 90 D</b>	300 ml (funnel)	6'000 rpm	1000 W	<ul style="list-style-type: none"> <li>- High power model (1.0 kW, 3-phase motor)</li> <li>- Low noise level, &lt;70 db(A) w/o load</li> <li>- Integrated speed control with LED for speed indication and status messages</li> <li>- Integrated overheating, overload and blocking protection</li> <li>- Safety switch for automatic-Off, energy saving through automatic Standby-Mode</li> <li>- Base frame made from anodised aluminium with integrated handle</li> </ul>

Other POLYMIX® Stirrers						
Propeller stirrer	Turbine stirrer	Dissolver	Centrifugal stirrer	Flat stirrer	Anchor stirrer	Potter
Standard stirrer available with 3 or 4 blades, Ø 45 - 100 mm	Standard stirrer, Ø 30 mm	Standard stirrer, Ø 80 mm	Standard stirrer, Ø 60/15 mm	Standard stirrer, Ø 70 mm	Standard stirrer, Ø 45 mm	Special stirrers, Ø 8-25 mm available with / without cooling jacket
Maximum Speed 2000 rpm	2000 rpm	2000 rpm	2000 rpm	1000 rpm	1000 rpm	1000 rpm
Working volume up to 25'000 ml	up to 25'000 ml	up to 25'000 ml	up to 10'000 ml	up to 10'000 ml	up to 10'000 ml	2, 5, 15 & 50 ml
<b>Applications</b> - Stirrer with 3 blades. Favourable to flow. Top-down and bottom-up suction of the fluid. Low shear forces. - Standard stirrer, 4 blades. Top-down suction of the fluid. Local shear forces. Generates axial flow in the vessel	- Top-down suction of the fluid. Generates axial flow in the vessel. Low shear forces.	- Radial flow. Top-down and bottom-up suction of the fluid. High turbulences, high shear forces, particle crushing.	- Two blade stirrer. Open up at increasing speed. For stirring in round bottles with small bottle neck. Acts like a propeller stirrer.	- Tangential flow. Low turbulences. Good heat transfer. Sparing treatment of the product.	- Tangential flow, high shear rates in the border area. Few disposal at the vessel wall. Use at low speeds. Ideal for fluids with middle to high viscosity.	- Consisting of a mortar (borosilikat glass) and a pestle (PTFE). For homogenizing smallest amounts of tissue, pulping of cells and bacteria. No additional fluid necessary.



## POLYMIX® PX-MFC 90 D



## MICROTRON® MB 950 G



## MICROTRON® MB 950 S



Model / Series	For volumes	Speed max.	Power	Further Description, Options
<b>POLYMIX® Lab Grinding Mills</b>				
<b>PX-MFC 90 D (continued)</b>	300 ml (funnel)	6'000 rpm	1000 W	<ul style="list-style-type: none"> <li>- Milling chamber with attached funnel and rotary slide for product inlet; intercepting tubes and NS29 vessels can be attached to milling chamber outlet</li> <li>- Milling chamber can be equipped with hammer grinding or blade grinding attachment</li> <li>- Grinding attachments can be exchanged</li> <li>- Milling chamber can be equipped with sieves in different mesh sizes from 0.2 up to 6 mm</li> <li>- Milling chamber parts in contact with the product are made from stainless steel hardened</li> <li>- Packing unit consists of drive unit with milling chamber, grinding attachment, sieve 2.0 mm and tool set</li> </ul>
<b>MICROTRON® Mixers / Blenders</b>				
<b>MB 950 G</b>	125 - 1'000 ml	14'000 rpm	550 W	<ul style="list-style-type: none"> <li>- 550 W high temperature safe universal motor with fan</li> <li>- Speed variable from 600-14000 rpm, soft start, speed scale</li> <li>- Thermal drive safety switch, electronic surveillance and stabilisation of the speed</li> <li>- Safety regulation for attachment surveillance, grounded with extra double safety isolation, radio screened</li> <li>- Mixing attachments made from glass available for volumes 125, 250, 500 and 1000 ml (safety huts to be ordered separately)</li> </ul>
<b>MB 950 S</b>	2 l - 4 l	14'000 rpm	800 W	<ul style="list-style-type: none"> <li>- As above but 800 W high temperature safe universal motor with fan</li> <li>- Mixing attachments made from stainless steel for volumes 2 and 4 liters</li> </ul>

Hammer grinding attachment	Blade grinding attachment	Sieves	Mixing attachments
Consisting of rotor with 3 impact hammers and stator with place for one exchangeable sieve	Consisting of rotor with 3 attached blades and stator with place for one exchangeable sieve	Available with mesh sizes from 0.2 mm up to 6 mm, for PX-MFC 90 D	Consisting of mixing head and vessel from glass (MB 950 G) or stainless steel (MB 950 S), safety huts for MB 950 G mixing attachments to be ordered separately
Maximum Speed 50 - 6'000 rpm	50 - 6'000 rpm	-	600 - 14'000 rpm
<b>Working volume</b> approx. 300 ml (funnel volume)	approx. 300 ml (funnel volume)	-	125, 250, 500, 1000 ml (MB 950 G) 2000, 4000 ml (MB 950 S)
<p><b>Applications</b></p> <p>- The impact grinding mill attachment is designed for processing dried, non-fatty, hard and brittle products such as:</p> <p>- Cereals, corn, malt, pectin, raw &amp; roasted coffee, beans, oats, nutshells, bones, fins (fish), gravel, stone, amber, mortar, etc.</p>	<p>- The blade grinding mill attachment is designed for processing dried, non-fatty, stringy and ductile products such as:</p> <p>- Wood, bark, roots, leaves, straw, cork, dried fruits, dried degreased meat, adenoids, fish, feathers, leather, dermis, wool, cotton, leashes, paper, coal, turf, dried resins, synthetic materials, fibre glass, plastic pellets, different textiles, felt, etc.</p>	-	<ul style="list-style-type: none"> <li>- Blending</li> <li>- Mixing</li> <li>- Dispersing</li> <li>- Homogenizing</li> <li>- Emulsifying</li> <li>- Milling of cuttable materials</li> </ul>

