

Basket mill TML for fine grinding 250 ml – 50 litres

Modular basket milling system for DISPERMAT® dissolvers. Available in ceramic and nano-version and for vacuum operation



DISPERMAT® CA 40 with the modular dispersion technology TML1.

Basket mill	Product volume	Container size	Recommended DISPERMAT®
Basket mill TML05	250 ml	500 ml	CV3
Basket mill TML1	0,5 - 3 litres	1, 2, 3, 5 litres	FM CN CA40 - 60 AE2 - 6
Basket mill TML5	2,5 - 12 litres	5, 7, 10, 15 litres	FM20 - 40 CN20 - 40 AE4, AE6 - 11
Basket mill TML10	3,5 - 25 litres	7, 10, 20, 30 litres	AE7 - 11
Basket mill TML50	15 - 50 litres	30, 50, 70 litres	AE10 - 11

= basket mill for laboratory = basket mill for laboratory & pilot plant = basket mill for production

Product volumes are based on medium viscosity. The values can be exceeded or exceeded.

Dissolver and bead mill in one instrument

Attaching the TML converts the DISPERMAT® into a closed double walled basket milling system. After the pre-dispersion is completed, the dissolver shaft can be replaced by the TML basket mill without the need for any tools.

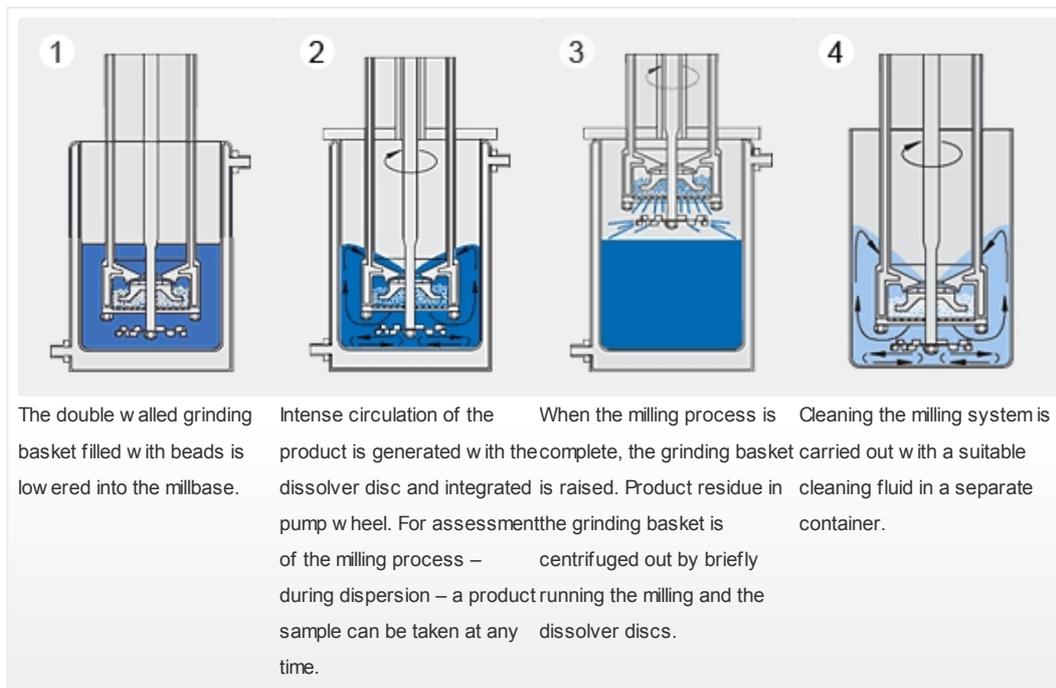
New: starting from now the basket mill is available in the following designs:

- **TML:** standard design for using bead mills from 0,5 mm. Optional: vacuum and ceramic option
- **TML-nano:** for using smallest milling beads from 0,2 mm. Optional: vacuum and ceramic option
- **TML-ceramic:** Milling chamber, milling disc, separation sieve and container can be supplied in SiSiC or ZrO₂. Optional: vacuum and nano option
- **TML-vacuum:** for dispersion under vacuum. Optional: Nano and ceramic option
- **TML-scrapers:** with high viscous products the TML can be combined with the modular scraper system ASC. Go on to [scraper system ASC](#) »

Basket mill TML – easy to clean and quick product change

Basket mills are extremely efficient grinding systems comprising of a grinding basket that is lowered into the millbase for dispersion. During operation the grinding basket stands still while the milling shaft to which the milling tool, dissolver disc and pump wheel are fastened, rotates. The rotating milling tool agitates the beads inside the basket which disperses the millbase. The dissolver disc at the tip of the shaft and the pumping wheel generate effective circulation of the millbase, helping to provide excellent dispersion results in a short period of time. The TML basket milling system includes a special adapter flange which enables it to be fitted to a DISPERMAT® without the need for any tools. If the standard

dissolver shaft and the TML basket milling system are frequently interchanged, an additional DL dissolver shaft is recommended.



Advantages of modular milling systems TML:

- Excellent dispersion results in a short time
- Excellent product circulation via the dissolver disc and pump wheel
- Highly repeatable dispersion results
- Uniform average residence time
- Narrow particle size distribution
- Double walled grinding basket for cooling or heating
- No dead areas due to effective mill base circulation

Basket mill TML environment-friendly and efficient:

- Environment friendly dispersion in a closed system
- Low energy requirement
- Basket mill systems are easy to clean
- Quick product changes

HINT: Every basket mill TML can be modified for using smaller or larger milling beads at a later date. We would be pleased to advise you.