

# SYSTEM TML

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



System APS	Objętość produktu (ml)	Pojemność zbiornika (ml)	Rekomendowane Dissolvery
Basket mill TML 05	0.25 – 0.4	0.5	LC55 – LC110-12, LC220-12   CV-PLUS CN10 – CN20   CA   AE01, AE03 – AE04 LC55-EX – LC75-EX   AE01-EX, AE03-EX – AE04-EX
Basket mill TML 1	0.5 – 3	1, 2, 3, 5	LC110-12 – LC220-6   CV4-PLUS CN10 – CN40   CA40 – CA60 AE02 – AE06   AE02-EX – AE06-EX
Basket mill TML 5	2.5 – 12	5, 7, 10, 15	LC220-12 – LC400   CN20 – CN100 AE04 – AE12   AE04-EX – AE012-EX
Basket mill TML 10	3.5 – 25	7, 10, 20, 30	LC400   CN60 – CN100 AE08 – AE12   AE08-EX – AE012-EX
Basket mill TML 50	15 – 50	30, 50, 70	CN90 – CN100   AE11 – AE12 AE11-EX – AE012-EX

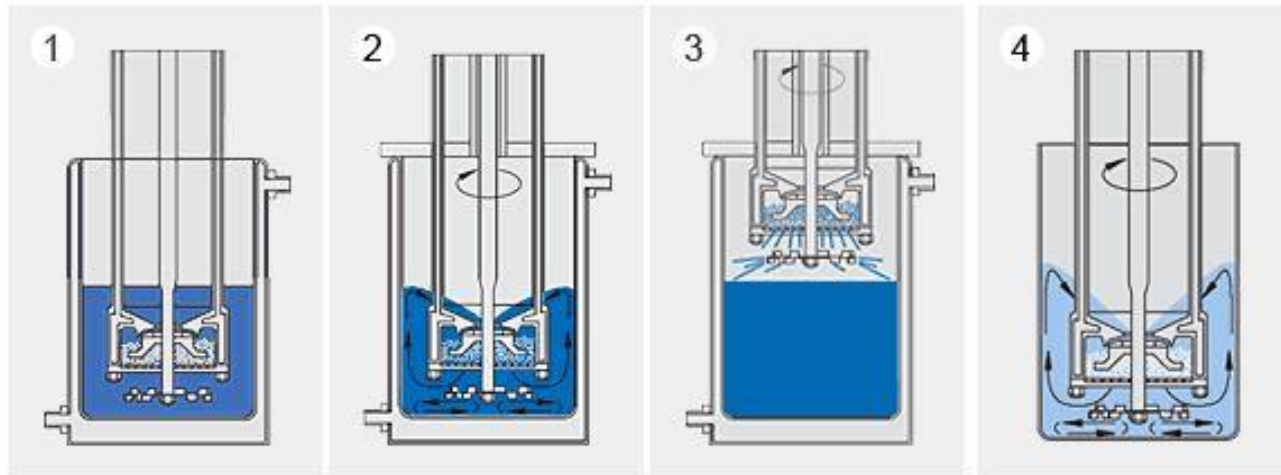
## The basket mill is available in the following designs:

<b>Basket mill TML</b>	Standard design for using bead mills from 0,5 mm. Optional: vacuum, nano, scraper and ceramic option
<b>Basket mill TML-nano</b>	For using smallest milling beads from 0,2 mm. Optional: vacuum, ceramic and scraper option
<b>Basket mill TML-ceramic</b>	Milling chamber, milling disc, separation sieve and container can be supplied in SiSiC or ZrO2. Optional: vacuum, scraper and nano option
<b>Basket mill TML-vacuum</b>	For dispersion under vacuum. Optional: nano and ceramic option
<b>Basket mill TML with Scraper ASC</b>	with high viscous products the TML can be combined with the modular scraper system ASC

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.

### 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.



1  
The double walled grinding basket filled with beads is lowered into the millbase.

2  
Intense circulation of the product is generated with the dissolver disc and integrated pump wheel. For assessment of the milling process – during dispersion – a product sample can be taken at any time.

3  
When the milling process is complete, the grinding basket is raised. Product residue in the grinding basket is centrifuged out by briefly running the milling and the dissolver discs.

4  
Cleaning the milling system is carried out with a suitable cleaning fluid in a separate container.

### 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