



IKA

designed for scientists

Selection Guide Consumables for milling

/// Disposable and reusable

Milling and dispersing are two of IKA’s core competencies. For applications where cross-contamination between batches is a risk to analysis results or a painstaking cleaning process, IKA’s disposal systems offer unique designs and patented technologies for contamination free results with minimal operator effort. The disposable grinding chambers or tubes offer a clean and efficient way of disposing the sample after processing or using as a storage chamber long after the test is performed.

The IKA ULTRA-TURRAX® Tube Drive (UTTD) is the world’s first universal disposable disperser system with hermetically sealable sample tubes. The disposable sample tubes are available in three different sizes (20 ml, 50 ml and 300 ml). They enable dispersing, stirring, and grinding with a single drive unit.

The disposable tubes MT 150 and BT 250 for the universal grinder MultiDrive control are designed for either dry cutting or wet blending and are autoclavable and reusable, too.

In addition to the disposable grinding chambers with 40 or 100 ml volume, durable and environmentally friendly reusable grinding chambers are also available for the Tube Mill, which can be cleaned in the dishwasher.



ULTRA-TURRAX® Tube Drive

Technical data	BMT 20	BMT 50
Speed max.	6000 rpm	
Motor rating output	17 W	
Operating principle	dry / wet grinding	
Useable volume max.	15 ml	50 ml
Material	PP, PEEK, Ball S: stainless steel; Ball G: glass	
Autoclavable (121 °C, 2 bar)	gamma sterilized versions available	
Dishwasher safe	no	
Data transfer drive / vessel	no	
Suitable for solvents	yes	
ICH Q3D / USP chapter 232 / 233 conformity	no	
FDA conformity	yes	

ULTRA-TURRAX® Tube Drive



MultiDrive control

MT 150	BT 250
20 000 rpm	
800 W	
dry cutting	wet blending
150 ml	250 ml
stainless steel, PA, PC, PTFE, silicone	
yes	
yes	
yes	
no	
yes	

MultiDrive control



Tube Mill control

MT 40	MT 40P	MMT 40	MTT 40
25 000 rpm			
80 W			
dry cutting			
40 ml			
stainless steel, PA, PP, PE, PUR			titanium, PA, PP, PE, PUR
no			
no			
no			
no			
no			yes
no			

Tube Mill control



Tube Mill 100 control

MT 100	MTT 100
25 000 rpm	
80 W	
dry cutting	
100 ml	
stainless steel, PA, PP, PE, PUR	titanium, PA, PP, PE, PUR
no	
no	
no	
no	
no	yes
no	

Tube Mill 100 control

