

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		MultiDrive control		Tube Mill control				Tube Mill 100 control	
Technical data	BMT 20	BMT 50	MT 150	BT 250	MT 40	MT 40P	MMT 40	MTT 40	MT 100	MTT 100
Speed max.	6000 rpm		20 000 rpm		25 000 rpm				25 000 rpm	
Motor rating output	17 W		800 W		80 W				80 W	
Operating principle	dry / wet grinding		dry cutting	wet blending	dry cutting				dry cutting	
Useable volume max.	15 ml	50 ml	150 ml	250 ml	40 ml				100 ml	
Material	PP, PEEK, Ball S: stainless steel; Ball G: glass		stainless steel, PA, PC, PTFE, silicone		stainless steel, PA, PP, PE, PUR			titanium, PA, PP, PE, PUR	stainless steel, PA, PP, PE, PUR	titanium, PA, PP, PE, PUR
Autoclavable (121 °C, 2 bar)	gamma sterilized versions available		yes		no				no	
Dishwasher safe	no		yes		no				no	
Data transfer drive / vessel	no		wireless with RFID		no				no	
Suitable for solvents	yes		yes		no				no	
ICH Q3D / USP chapter 232 / 233 conformity	no		no		no			yes	no	yes
FDA conformity	yes		yes		no				no	

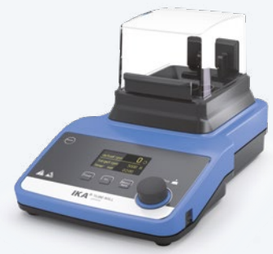
ULTRA-TURRAX® Tube Drive



MultiDrive control



Tube Mill control



Tube Mill 100 control

