

## MAIN FEATURES:

- > Fast and efficient disintegration of samples
- > Suitable for qPCR, HPLC
- > Used in forensic science, microbiology, biotechnology, veterinary, chemistry, geology, metallurgy, ecology, food and beverage control, nutrition,...

**€4500,00**  
za komplet sa  
dve 5ml komore  
i 5 kugli Ø25mm



MILLMIX 20 is developed for scientists, who need efficient disruption of small amounts of sample.

### Easy to use

One knob controller together with bright LED display is simple to use and gives all important information at once.

### Powerful & Quick

Broad range of standard and custom designed tube holders makes MillMix 20 as a suitable tool for dedicated scientific work as well as daily routines. Efficient disintegration, homogenization and mixing in second.



### Most Advanced Technology

Powerful DC brushless motor, which is controlled by digital processor, needs no maintenance.

### Broad range of jars & tube holders

- Largest Jar capacity 2 x 50 ml
- Hard steel and stainless steel jars
- Tungsten Carbide jar
- Rounded PTFE Jars
- Squared PTFE Jars
- Special adopters by customer requests available



### Applications

MillMix is useful tool for disintegration of many materials and can be used on different fields of science: microbiology, biotechnology, medicine, veterinary, chemistry, geology, metallurgy, nutrition, food and beverage control, forensic science,...

### TECHNICAL SPECIFICATONS

Model	MillMix 20
Voltage	100V / 115V / 230V 50 - 60Hz
Power	200VA
Time	5s - 99min, up to 10min in steps of 1sec, above in steps of 10s, HOLD function
Vibrating frequency	3 - 30Hz, in steps of 0,1Hz
Stroke	32mm
Max. Sample size	~ 20mm
Max. volume	2 x 50ml
Net weight	42kg
Dimensions	365 x 425 x 225mm



Grinding jar (nominal vol)	Sample amount	App. feed size	Balls
1,5 ml	0,5 ml	1 mm	Ø3 mm
1,5 ml	0,5 ml	1 mm	Ø5 mm
5,0 ml	2,0 ml	2 mm	Ø7 mm
10 ml	4,0 ml	4 mm	Ø10 mm
25 ml	10,0 ml	10 mm	Ø15 mm
50 ml	20,0 ml	15 mm	Ø25 mm

We reserve the right to alter specification details etc. without prior notice or liability!

# Accessories and Applications for MILLMIX 20

## ACCESORIES

INOX Jars (volume in ml)	HARD STEEL Jars (volume in ml)	PTFE Jars (volume in ml)	TUNGSTEN CARBIDE Jars (volume in ml)
1,5 / 5 / 10 / 25 / 35 / 50	1,5 / 5 / 10 / 25 / 35 / 50	50	25
6 x 2 - revolver jar			
25 - forensic jar			

### HOLDERS

PTFE Holder for microtiter plates - 96 well (3x standard or 1 deep well)

PTFE Holder for 1,5ml - 2,0ml Eppendorf tubes: 6, 12 and 24 places / for 0,2ml tubes: 12 places

Holder for 5ml, 15ml and 50ml conical tubes

Special holders for homogenization on demand

INOX Balls ( $\phi$ in mm)	HARD STEEL Balls ( $\phi$ in mm)	AGATE Balls ( $\phi$ in mm)	GLASS Balls ( $\phi$ in $\mu$ m)	TUNGSTEN CARBIDE Balls ( $\phi$ in mm)
3 / 5 / 7 / 10 / 12 / 25	3 / 5 / 7 / 10 / 12 / 25	10	100 / 250	3 / 5 / 7 / 10

We provide also testing tubes, sizes from 1,5ml, 2,0ml, 5,0ml, 15ml and 50ml.

## APPLICATIONS MOSTLY USED BY OUR CUSTOMERS

Material for examination	Field of use	Adaptor
Granite, Marble, Clay mineral	Geology	Stainless steel, 50ml
Chicken bone	Biomedicine	Stainless steel, 50ml
Slag	Metallurgy	Stainless steel, 50ml
Titanium dioxide	Chemical industry	Tungsten carbide, 25ml
Ceramic compacts	Processing of ceramic powders	Tungsten carbide, 25ml
Hard material (rust, soil, bacteria, fungi, biofilm)	Molecular biology	PTFE, 6 x 2ml
Soft material (tissue, blood, food, bacteria, fungi, cell, plant)	Molecular biology	PTFE, 6 x 2ml
Dry material (rust, soil, food, plant)	Molecular biology	PTFE, 6 x 2ml
Liquid material (blood, food, drink, bacteria, fungi, cell)	Molecular biology	PTFE, 6 x 2ml
Body fluid samples	Medicine	PTFE, 6 x 2ml
Human blood	Biomedicine	PTFE, 6 x 2ml
Dog mastocytoma	Biomedicine veterinary	PTFE, 6 x 2ml
Oil extraction from fermented broth (clavulanic acid)	Pharmacy	Holder for 10 x 50ml conical tubes (FALCON tubes)
Disruption of intestine material, isolation of bacteria	Biology	PTFE, 6 x 2ml
DNA Extraction from Frozen Leaves	Biology	Adaptors for 2 ml screw cup tubes
Bone and teeth grinding for DNA researches	Forensic science	Stainless steel, 25ml forensic jar
Human hair grinding for DNA researches	Forensic science	Stainless steel, 35ml
THC definition, Country of Origin of Cannabis flower	Forensic science	PTFE, 6 x 2ml
THC definition, Country of Origin of Cannabis stalk	Forensic science	Stainless steel, 50ml
THC definition, Country of Origin of Cannabis plant	Forensic science	Holder for 10 x 50ml conical tubes (FALCON tubes)
Definition of active substance and definition of steroide type	Forensic science	Stainless steel, 50
Chemical analysis of the heavy metals in food	Nutrition	PTFE jar, 50ml

We are developing new applications in cooperation with our partners on institutes, universities and hospitals. We are also developing applications on customers demands. For detailed applications information please contact our sales department.

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# DOMEL®

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