

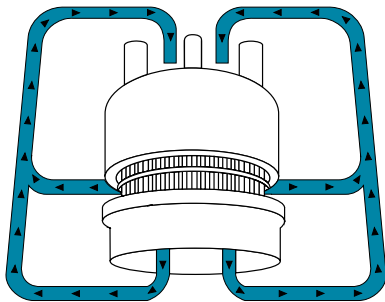
# Dispermill Immersion mill

Accessoires

With its innovative technology the Immersion mill combines mixing and milling achieving optimum particle size distribution, increasing production efficiency, and producing extraordinary quality. Immersion milling is a revolution processing technology that defies comparison. Its unique design and method of operation surpass all other systems, enabling the entire milling process to take place within a single milling chamber.

## PATENDED TECHNOLOGY

Traditional milling is slow due to the low velocity of the feedstock passing through the shear zone. To increase velocity, the intensity of the shear zone must be decreased. Immersion milling works in an entirely different way. Products are passed through an aggressive shear zone at very high velocity: as fast as 50 passes per hour. This produces very narrow particle size distributions and decreases the bead to product ratio necessary for efficient milling.



Flow pattern

## FEATURES

- ✓ Tighter particle distribution
- ✓ Faster processing times
- ✓ Easy cleaning
- ✓ Media efficient - Do more with less
- ✓ Homogeneous batch development



## PRODUCTS



	Micromill (short)	Micromill (long)	Quartermill
<b>Volume</b>	750 ml - 2 L	750 ml - 2 L	4 L - 8 L
<b>Machine</b>	Discovery 100, FR075	Discovery 200, 300, FR150, FR220	Discovery 200, 300, FR150, FR220
<b>Parts included</b>	1x polished dome 1x hardened screen 2x rulon bushing 1x hardened pegs 1x pumper blade 1x marine blade	1x polished dome 1x hardened screen 2x rulon bushing 1x hardened pegs 1x pumper blade 1x marine blade	1x polished dome (water cooled) 1x hardened screen 2x rulon bushing 1x hardened pegs 1x pumper blade 1x marine blade 1x temperature sensor
<b>Recommended media</b>	Zirconia Yttria stabilized Size: 3x slot size	Zirconia Yttria stabilized Size: 3x slot size	Zirconia Yttria stabilized Size: 3x slot size
<b>Order No.</b> (Slot size 0.50mm)	12-1009	12-1044	12-1012
<b>Order No.</b> (Slot size 0.27mm)	On request	On request	On request

## SPARE PARTS / OPTIONS



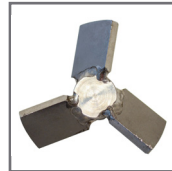
Hardened screen



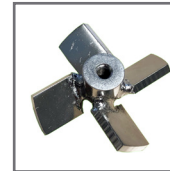
Bushing MM



Bushing QM



Marine blade



Turbo blade



Pumper blade



Peg MM



Peg hub as. QM



Rotating  
lowershaft



Counterpegs  
insert

Ø	Order No.
0,80 - 1,00 mm	23-11082
1,00 - 1,20 mm	23-11154
1,20 - 1,40 mm	23-11155
1,40 - 1,60 mm	23-10334

Zirconia Yttria stabilized beads

Part	Micromill	Quartermill
Hardened screen 0.13 mm	21-2131	N/A
Hardened screen 0.27 mm	21-1535	21-1750
Hardened screen 0.50 mm	21-1163	21-1751
Bushing	21-1162	23-10042
Peg (for the Micromill the peg is fixed in the hub)	21-1164	21-1743
Peg hub assembly	N/A	24-1602
Rotating lowershaft (for connecting to the peg/hub)	21-1107	21-1747
Counterpegs insert	N/A	21-1749
Pumper blade	30-1119	21-1744
Turbo blade	30-1118	21-1745
Marine impeller blade	30-1117	21-1746