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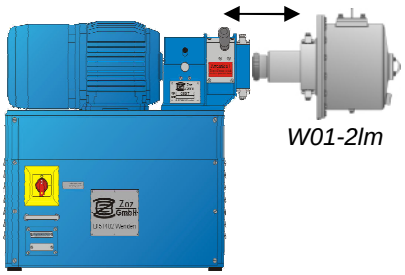
Simoloyer® CM01/CM01J

Application

high kinetic milling device:

- High Energy Milling (e.g. ductile metal flakes)
- Mechanical Alloying (e.g. ODS-alloys)
- Reactive Milling (e.g. contact material)
- fine grinding, mixing, dispersing, homogenizing
- wet & dry operation, controlled atmosphere
  - nano-structured, nanocrystalline & amorphous materials
  - composite-materials (MMC, CMC, MMC, CCC)



Simoloyer® CM01

CM01J (option: type Japan, stainless steel, usually no transformer required)

Technical data	Simoloyer® CM01	
with standard grinding unit:	**W01-1l**	**W01-2l**
L x B x H	750 x 400 x 550 mm	
net weight total	150 kg (incl. standard-equipment)	
net weight base unit	60 kg	
noise emission	95 dB(A)	
power-supply	400V, 3 phase, 7A option: 230V/2ph, 10A	
water supply (cooling, ≤4bar)	G⅜, <2-5 l/min	
gas-supply (atmosphere)	DN25, ≤ 0.5 bar	
inverter drive-power (main)	2.7kW, max. 3kW	
rotational-speed, direct	200 - 1800rpm	
auxiliary inverter drive	no	
nominal volume	1 liter	2 liter
nominal power	2.7 kW/l	1.35 kW/l
max. relative velocity	10.9 m/sec	
cooling / heating system	see grinding units	
atmosphere	vacuum, inert gas, air	
airlock system	DN40	
operation pressure	see grinding units	
operation temperature	see grinding units	
operation mode	see grinding units	
electronic control	Maltoz®-software, see process control	
grinding units	quick-change drum replacement	
material	see grinding units	
loading rates:	see grinding units	

Process Control by Maltoz®-Simoloyer® Operating Program

high performance multi-media & functional software:

- Cycle Operation
- controllable process temperature / controllable milling power (torque)
- full record of milling history (data files)
- computer protection of the device

Equipment / accessories

- airlock systems with dead-zone free drain-gratings, sample units & containers
- vacuum-pumps and accessories, gas systems
- special valves
- cooling blocks and heating systems, sound absorption cabinets
- container manipulators, storage and loading systems (industrial units)

technical data subject to alterations