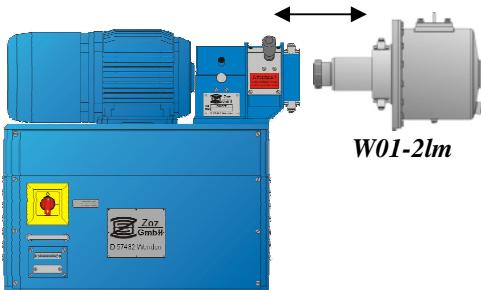


Simoyer® CM01

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)



Simoyer® CM01



Technical data		Simoyer® CM01	
with standard grinding unit:		W01-11	W01-21
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		400 V, 3 phase, 7A	
water supply (cooling, ≤4bar)		G¾, <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®-Simoyer® 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