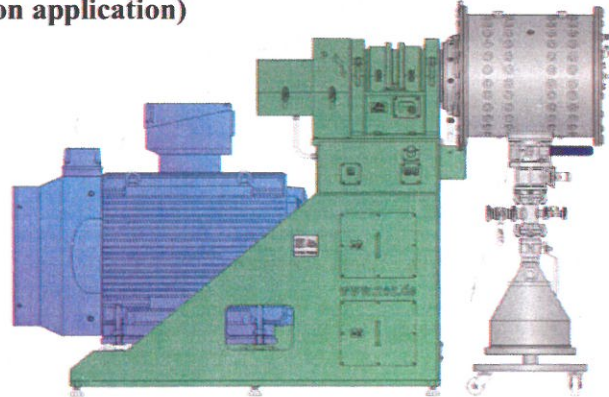


Simoloyer® CM100b

Industrial Simoloyer®
 (depending on application)

Application

- High Energy Milling (HEM)
- Mechanical Alloying (MA)
- Reactive Milling (RM)



Characteristics

grinding-unit	100ltr., quick drum replacement, water cooling (drum, drive-shaft)
atmosphere	vacuum / inert-gas
working pressure	10 ⁻⁴ mbar up to 0,5bar overpressure
working temperature	-20 – 80°C (*)
air-lock system	DN63 or DN100
power	110kW
rotational speed	up to 500rpm
operation	batch or continuous (**)
auxiliary drive	automatic locking, adjustable during operation, turning W100

(*) depending on grinding-unit

Grinding Units

W100	standard
W100su	sample port
W100s1	semi-continuous, 4 add. tang. ports
W100s2	2 nd main-port for auto-batch operation
stainless steel, (water-)cooling system	

Requirements

Power-supply:	400V / 200A, 3-phases, 50/60Hz 1x110kW, IP54
Cooling-Water:	up to 50l/min**, 10-25°C input
Noise:	ca. 92dB
Space required:	25m ²
Pressure:	0,5bar overpressure
Ambient temp.:	>0...<40°C
Installation:	heavy load plugs on foundation
** depends on application (ceramic / metal powder)	

Process Control

Maltoz® Simoloyer Operating Program

cycle operation, controllable process temperature and milling-power (torque), data-files (history), security measures

Dimensions

dimensions (LxBxH)	2650x1235x1730mm
weight (base-unit)	3000kg (excl. equipment)
weight (grinding-unit)	ca. 500kg (W100)

Equipment

different types of

- drain-gratings
- valve containers

connections for

- inert-gas (DN25)
- vacuum (DN40)
- safety valve
- measurement flange (DN16)

standard small flange connections

technical data subject to alterations