

Sr. No.	Description / Specifications / Cat / Part no of Specific / Technical / Administrative Stores.	Qty Required.
1	2	3
1	High Energy Planetary Ball Mill (PM 400) Extra Sheet for Specifications is attached. Grinding Jars: Material of Grinding Jars (volume 500 ml): Aluminum oxide, zirconium oxide Grinding Media Balls: Aluminum oxide, zirconium oxide Alumina Grinding Media Ball (Dia: 5 mm, 10mm): Zirconia Grinding Media Ball (Dia: 5 mm, 10mm):	03 No. 12 each 15 kgs each 15 kgs each

Note: Maintenance and operation manuals must be provided

Planetary Ball Mill PM 400

Features

Applications	Field of application
pulverizing, mixing, homogenizing, colloidal milling, mechanical alloying	agriculture, biology, Chemistry, construction materials, engineering / electronics, environment / recycling, geology / metallurgy, glass / ceramics, medicine / pharmaceuticals
Feed material	soft, hard, brittle, fibrous - dry or wet impact, friction
Size reduction principle	< 10 mm
Material feed size*	< 1 µm, for colloidal grinding < 0.1 µm
Final fineness*	max. 4 x 220 ml, max. 8 x 20ml with stacked grinding jars
Batch size / feed quantity*	4 / 2
No. of grinding stations	1:-2 / 1:-2.5 / 1:-3
Speed ratio	30 - 400 min ⁻¹
Sun wheel speed	300 mm
Effective sun wheel diameter	G-force
Type of grinding jars	"comfort", optional aeration covers, safety closure devices
Material of grinding tools	hardened steel, stainless steel, tungsten carbide, agate, sintered aluminium oxide, silicon nitride, zirconium oxide
Grinding jar sizes	12 ml / 25 ml / 50 ml / 80 ml / 125 ml / 250 ml / 500 ml
Setting of grinding time	digital, 00:00:01 to 99:59:59
Interval operation	yes, with direction reversal
Interval time	00:00:01 to 99:59:59
Pause time	00:00:01 to 99:59:59
Storable SOPs	10
Measurement of input energy	yes
possible interface	RS 232 / RS 485
Drive	3-phase asynchronous motor with frequency converter
Drive power	1.5 kW
Electrical supply data	different voltages
Power connection	1-phase
Protection code	IP 30
Power consumption	~ 2100 W (VA)