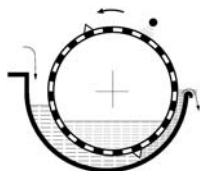
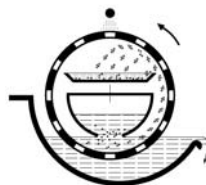




MACHINES AND DEVICES FOR NC POWDER INDUSTRY

Knot separator Type

Purpose: to separate knots and dirt from suspension
 Drum: $\phi(1000 \times 2000)$ mm
 RPM: $(0,7 \div 4,5)$ o/min
 Power: 2,2 kW
 Drum oscillating frequency: 920 min^{-1}
 Amplitude: optional (10x)

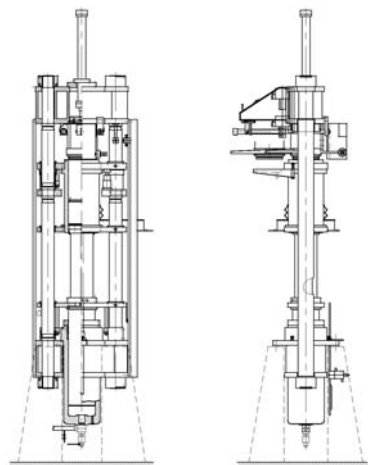


Density increasing machine

Purpose: increasing suspension density
 Drum: $\phi(1250 \times 2000)$ mm
 RPM: $(4 \div 25)$ o/min
 Power: 2,2 kW

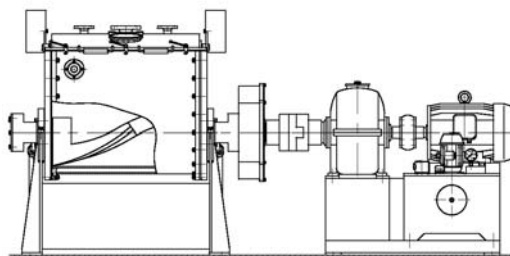
Hydraulic dehydrating press

Purpose: nitrocellulose dehydrating and alcohol adding
 Pressing force: $(1900 \div 4300)$ kN
 Chamber: $(75 \div 170)$ dm³
 Other features: on buyer's request



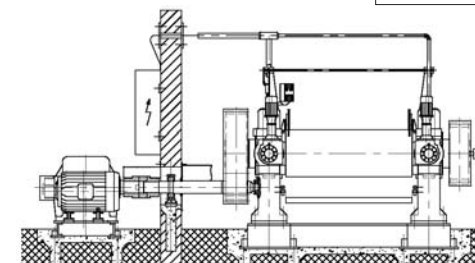
Kneading mixing machines

Purpose: kneading and mixing viscous and viscous-plastics materials
 Blades: or on request
 Total capacity: $(20 \div 2400)$ l
 Power: $(1,5 \div 90)$ kW
 Discharging: vessel tilting or spiral discharge
 Optional vessel tempering and vacuuming
 Other features: on buyer's request



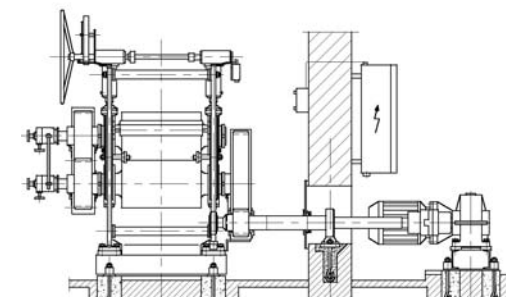
Horizontal two-roll mills

Purpose: gunpowder rolling
 Rollers: $(\phi 400 \times 1000, \phi 550 \times 1500)$ mm
 Friction: 1:1; 1,39
 Power: $(30 \div 45)$ kW
 Rolls heating / cooling
 Optional feeding basket
 Optional gunpowder sheet folding device
 Other features: on buyer's request



Vertical two-roll mills

Purpose: gunpowder rolling
 Rollers: $(\phi 400 \times 700; \phi 450 \times 1200)$ mm
 Friction: 1:1
 Power: $(18,5 \div 37)$ kW
 Rolls heating / cooling
 Optional gunpowder sheet folding device
 Other features: on buyer's request



Hydraulic forming presses

Purpose: single-base and multi-base gunpowder forming
 Force: $(1600 \div 8200)$ kN
 Chamber: $2 \times (30 \div 64)$ dm³
 Optional vessel heating / vacuuming
 Other features: on buyer's request

