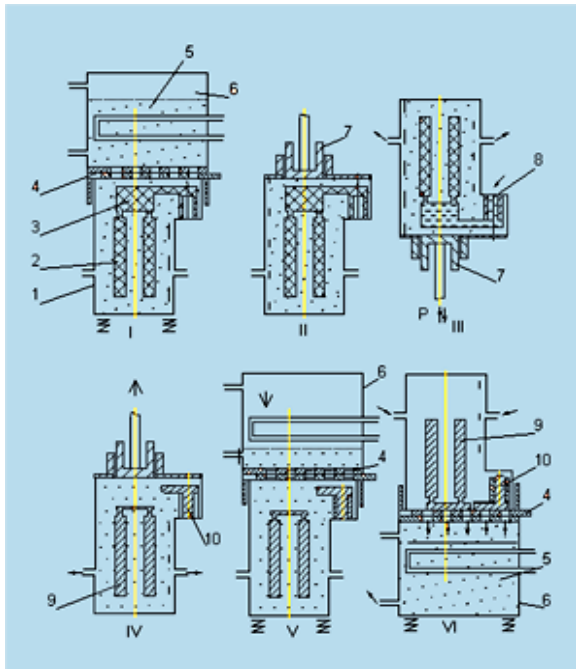




## Rotor-conveyer line for obtaining precise castings applying control high pressure by Lost- Foam process (GAMODAR-process)



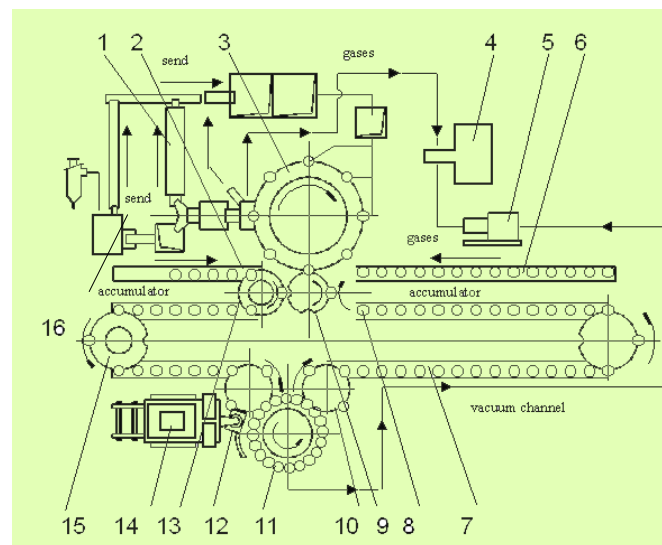
Technological scheme of GAMODAR-process

I - moulding, II - placing of squeezing chamber, III - pouring and squeezing of liquid metal, IV - squeezing chamber removal, V - connecting of auxiliary bunker, VI - removing and regeneration of sand;

1 - container; 2 - polystyrene model; 3 - gating system; 4 - open gear; 5 - sand; 6 - auxiliary bunker; 7 - piston; 8 - liquid metal; 9 - casting; 10 - gate.

1 - cooling system; 2, 6 - accumulators; 3 - rotor of tumbling of containers; 4 - catalytic after-burning reactor of waste gases; 5 - vacuum processing unit; 7, 15 - conveyer-transporter; 8 - container; 9, 10, 13 - transporting rotor, 11 - rotor for filling and crystallization of metal under pressure; 12 - rotor for setting tackled container on the filling rotor; 14 - magnetodynamical set; 16 - system for sand regeneration.

Developed rotor-conveyer line has productivity in 1.5-3.0 times more then modern automatic foundry lines for production high quality castings for ferrous and non-ferrous alloys with weight for 50 kg.



Scheme of rotor-conveyer line

Please forward your proposals and suggestions to:

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