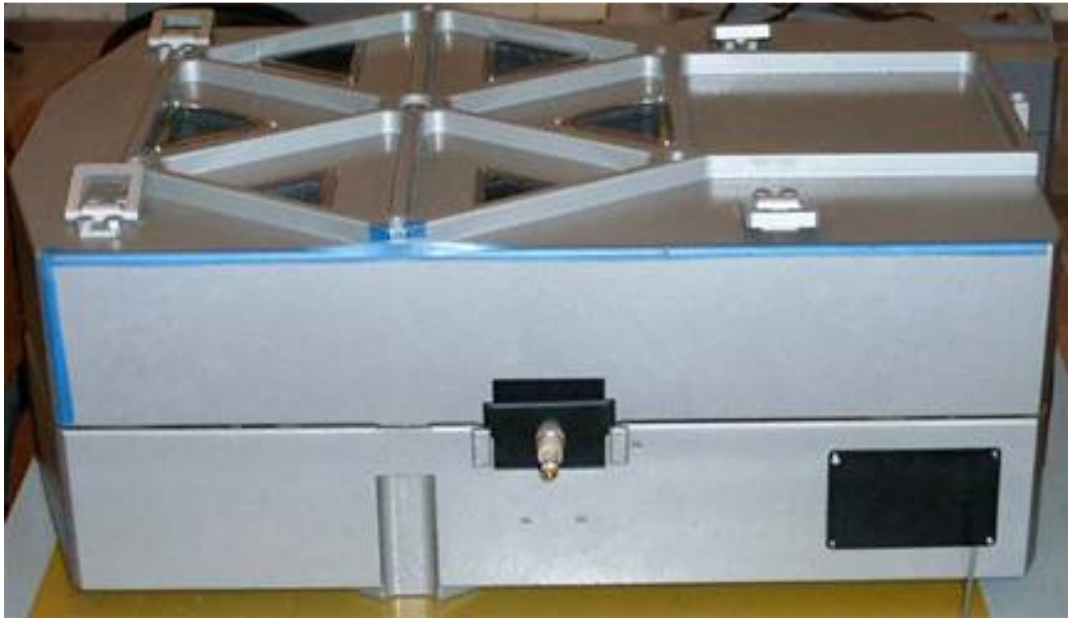


# HIGH ENERGY ACCELERATOR

## BETATRON



### Technical characteristics of small-size betatrons for NDT

Parameters	MIB-4	MIB-5	MIB-6 (PXB-6)	MIB-7.5 (PXB-7.5)	“Krab”	“Shelest-B”
Peak energy, MeV	4	4	6	7.5	10	4.5
Bremsstrahlung dose rate at 1m from the target, cGy/min	1	3	3.0	5	20	2
Focal sport dimensions, mm	0.3 x 2	0.3 x 2	0.3 x 3	0.3 x 3	0.5 x 3	0.3 x 3
Pulse repetition rate, Hz	200	300	200	200	150	200
Consumed power, kW	1.5	2.5	2.0	2.5	3.6	1.6
Maximum thickness of penetration, mm	150 600	150 800	250 1000	300 1200	350 1500	200 -
steel concrete						
Radiographic sensitivity,%	1	1	0.6	0.6	1	1