

Electron beam accelerator facility

The EB facility with a linear electron accelerator UELR-10-15T will be put into operation in 2008.

Main parameters of UELR-10-15T

Electron energy, MeV	10
Average beam power, kW	15
Pulse repetition rate, Hz	50, 100, 200, 300
Electron beam pulse duration, μ s	20
Maximum scanning length, mm	800
Maximum width of product boxes, mm	800
Maximum height of product boxes, mm	300
Maximum weight of product boxes, kg	25
Speed range of the conveyor, m/min	0.6 - 18

Processing rate

Food at 5 kGy _{max} , ton/h	6.5
Medical products at 25 kGy _{min} , m ³ /h	4.1