RADIATION PROCESSING LINE FOR ELECTRON BEAM STERILIZATION OF DISPOSABLE MEDICAL AND PHARMACEUTICAL PRODUCTS ON THE BASIS OF ILU-6 AND ILU-10 ACCELERATORS

Description
The radiation processing line allows sterilization of medical and pharmaceutical products. The delivered equipment includes an accelerator and a pipeline system for transportation of the product to be sterilized.

Technical specifications

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<tr>
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<th>Electron energy</th>
<th>Beam power</th>
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<tbody>
<tr>
<td>ILU-10</td>
<td>Up to 5 MeV</td>
<td>Up to 20 kW</td>
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<tr>
<td>ILU-6</td>
<td>Up to 2.5 MeV</td>
<td>Up to 20 kW</td>
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The performance of the system reaches 1 million syringes per hour.

Technical appraisal and economic benefits
Electron-beam sterilization allows high efficiency and ultimate environmental safety of the process.

Application area
Medicine. The processing line allows obtaining sterilized products, which satisfy all requirements and standards of the Ministry of Health of the Russian Federation.
Development stage
Such a processing line has been operating for more than 7 years at the PRIM joint-stock company (Izhevsk).

Patent situation
Not available.

Commercial offers
Delivery of processing lines to customers within 9 months and supervision during the entire operation time.

Estimated cost
About 600,000 USD, depending on the type of the line and list of equipment.

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