Destruction systems

The banknote destruction module is designed for automatic destruction of insolvent banknotes of the Bank of Russia unfit for further circulation.

The destruction module is intended for networking with the counting and sorting machine of BARS 500 series and is joined to the main module of the counting and sorting machine.

Thanks to the destruction module compactness, the counting and sorting machine and destruction module complex may be located at the working place of a cash officer of the Bank of Russia branches.

The destroyed banknotes are removed from the destruction module compulsively, by means of a centralized system of cuttings rejection.

Of the climatic modification, the destruction module is referred to group УХЛ 4.2 GOST 15150-69.

Of the level of protection against water and dust, the destruction module is referred to group IP20 GOST 14254-96.

Of safety the destruction module meets the requirements of GOST Р МЭК 60950-02.

Of electromagnetic compatibility of technical equipment, the counting and sorting machines meet the requirements of GOST Р 51317.3.2-2006, GOST Р 51318.22-99 (class A).

Of noise level the counting and sorting machines comply with the requirements of GOST 26329-84 (1.2, 1.3).

Power supply characteristics

The power supply of the destruction module is carried out from monophase network with the nominal voltage of 220 V and the alternating current frequency of 50 Hz. The power supply is carried out from general service circuits with the electric power quality norms according to GOST 13109-97.

The power consumption of the destruction module is not more than 1300 W.
Construction characteristics

The destruction module provides cutting of the size not more than 1.6 x 17 mm.

The destruction module maximum performance is up to 15 banknotes per second.

The destruction module provides demolition of banknotes with the following sizes:

- Length from 94 up to 180 mm;
- Width from 50 up to 100 mm;
- Paper thickness from 90 up to 120 microns;
- Security metalized threads.

The size of the destruction module (L x W x H) is 600 x 550 x 590 mm.

The weight is 60 kg.

The acoustic noise level at the distance of 1 m from the counting and sorting machine with the destruction module is not more than 80 dB.