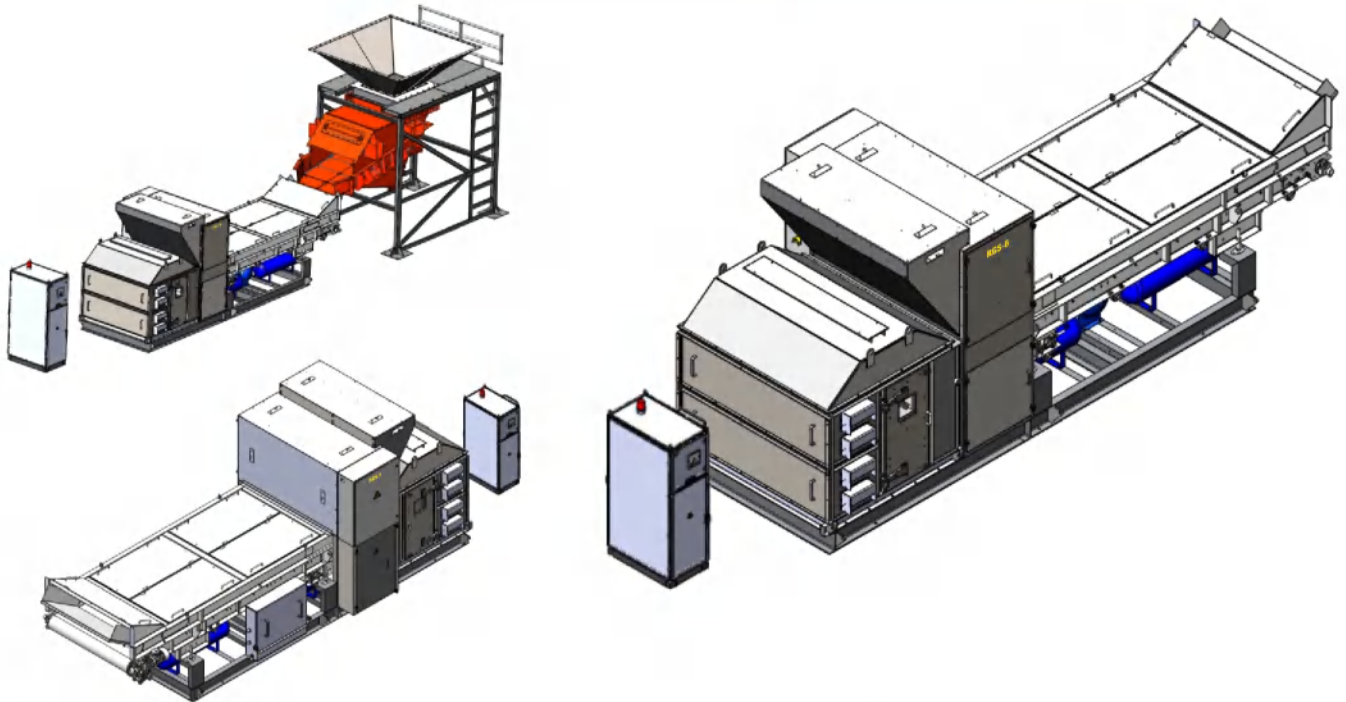


RGS-6

Primary sorting

-100+6 mm

New product



X-ray transmission (XRT) sorter RGS-6 is a diamond recovery machine designed for primary treatment of dry or damp material with size range -100 +6 mm. The principle of the sorter's operation is based on the property of materials to absorb X-rays. Diamond, consisting of the light element carbon with atomic number 6, absorbs X-rays less than the accompanying minerals containing heavier elements: silicon, calcium, magnesium, oxygen, iron and others. The sorter consists of a sorting machine (SM) and an automatic control rack (ACR).

Main specification

Size fraction, mm	-100+50	-50+25	-25+12	-12+6
Throughput, t/h	up to 186*	up to 93*	up to 47*	up to 33*
Type of material	dry or damp*			

Material feeding and detection system**

Material feed	Vibrating feeder & belt
Operational width, mm	1200
X-ray tube	1
X-ray sensor	1
Laser triangulation system	1

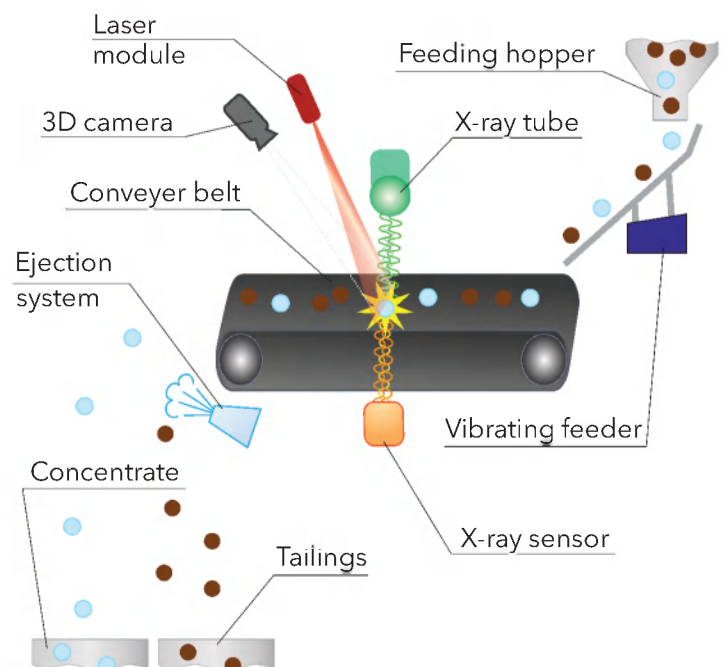
Sorter's supply

Electric Power, kVA (3 phase, 220V/50Hz), not less than	8
Cooling water consumption, l/min, not less than	4,5

	Dimensions, mm	Mass, kg
Sorting machine (SM),max	6180x2190x2480	4700*
Automatic control rack (ACR),max	1090x905x2055	335*

* - Preliminary information

** - Multi-channel pneumatic ejector system with local or group ejection



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