

Flow electronics

LEADERS IN DIAMOND RECOVERY TECHNOLOGY

ESTABLISHED IN 1971

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DESIGN AND MANUFACTURE
FlowsoftTM
X-RAY DIAMOND RECOVERY EQUIPMENT

ACSS

AUTOMATIC CALIBRATION STABILITY SYSTEM



- OPTIC IS CALIBRATED FOR MAXIMUM POSSIBLE DIAMOND RECOVERY
- OPTICS CALIBRATION IS AUTOMATICALLY MAINTAINED BY REFERENCING IT TO AN "ELECTRONIC DIAMOND SIMULATOR". (EDS)
- VARIATIONS IN X-RAY RADIATION ARE AUTOMATICALLY COMPENSATED FOR BY REGULAR CHECKS OF X-RAY INDUCED TRACER LUMINESCENCE
- WEAR WITHIN A SORTERS FEEDING SYSTEM IS MONITORED BY CHECKING THE STABILITY OF FLOW "MARBLE-TRACERS"
- WHENEVER THE ACSS REQUIRES TRACERS FOR ITS TEST AND CHECK FUNCTIONS, TRACERS ARE AUTOMATICALLY SUPPLIED BY FLOW'S "AUTOMATIC TRACER DISPENSER" (ADT).
- EJECTOR RESPONSE IS AUTOMATICALLY CHECKED AT EVERY EJECTION
- SHOULD A FAULT CONDITION OCCUR THAT CANNOT AUTOMATICALLY BE RECTIFIED BY THE ACSS, SUCH AS REPLACEMENT OF WEAR PARTS, UNDOING BLOCKAGES ETC, THE ACSS WILL SHUT DOWN THE FEED TO THE SORTER, CLEARLY INDICATE AND REPORT THE FAULT ENCOUNTERED AND PREVENT THE SORTER FROM BEING USED UNTIL THE FAULT CONDITION HAS BEEN CLEARED!

NOTE: ALL EXISTING FLOW X-RAY RECOVERY MACHINES CAN BE RETROFITTED WITH OUR ACSS. THIS UPGRADE CAN BE DONE ON SITE!