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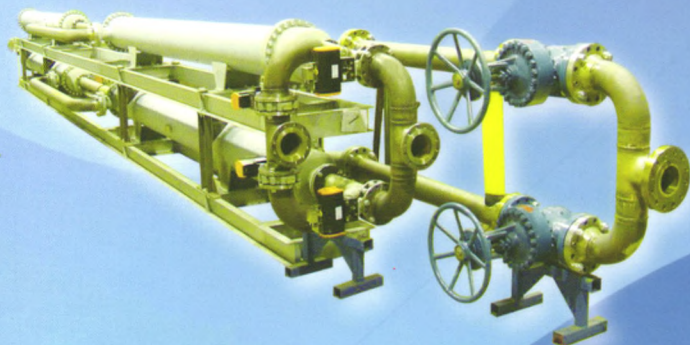
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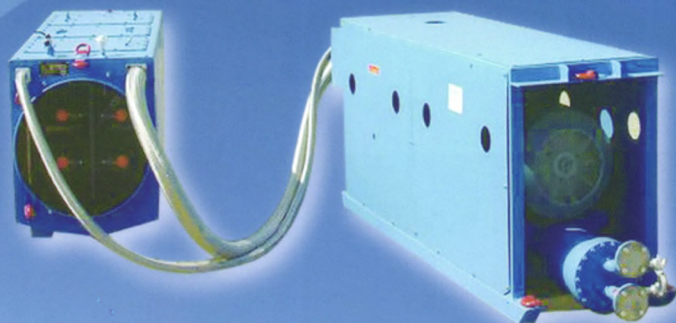


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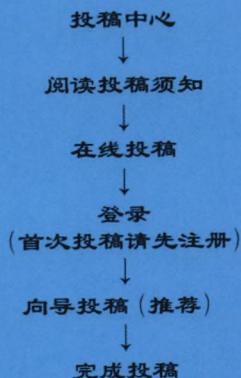
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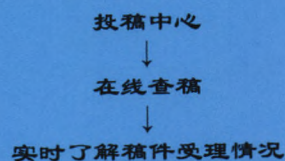
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宣东煤矿冲击地压危险性分析与防治措施
深部大断面软岩巷道变形破坏机理及高预应力支护技术
切顶卸压爆破技术在沿空留巷中的应用
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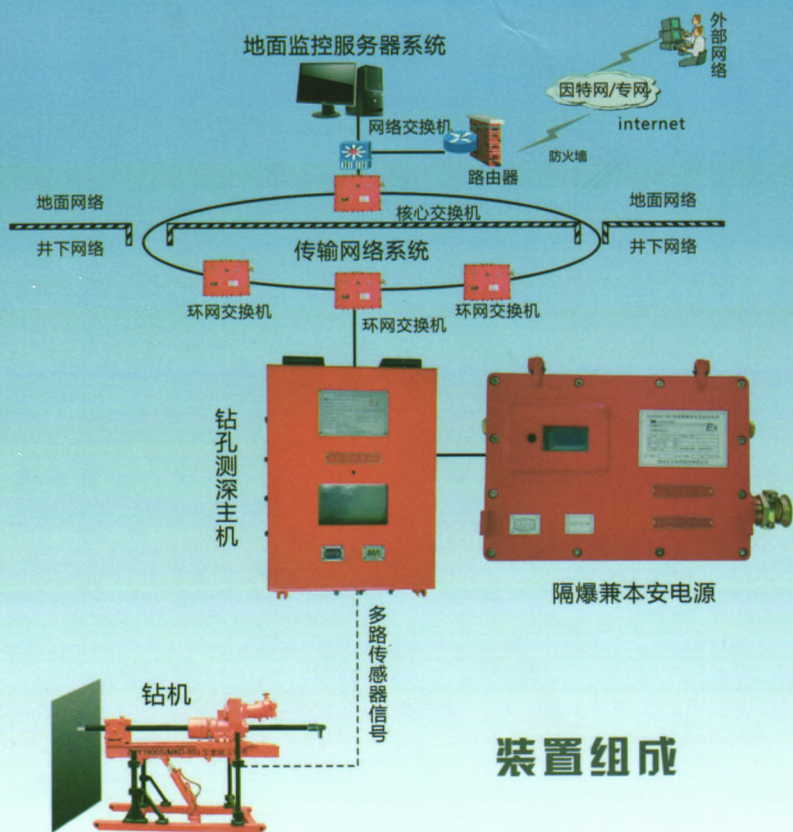
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ZKS1000矿用钻孔深度监测装置



概述

矿用钻孔深度监测装置是用于在煤层或岩层钻孔时，配合钻机实现钻孔深度自动监测的设备，兼有监测钻进过程中地质构造的功能。

监测数据可在装置主机上本地显示及存储，并可通过监控系统上传至地面监控室。

装置组成

性能优势

- 测量范围宽、精度高, 钻孔深度监测量程可达1 000 m, 最大误差小于1 m; 避免了传统人为数钻杆确定钻进深度时的误计数。
- 具备断钻预警功能, 当发生严重卡钻、顶钻等可能导致钻杆断裂的危险情况时, 可提醒操作者。

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