

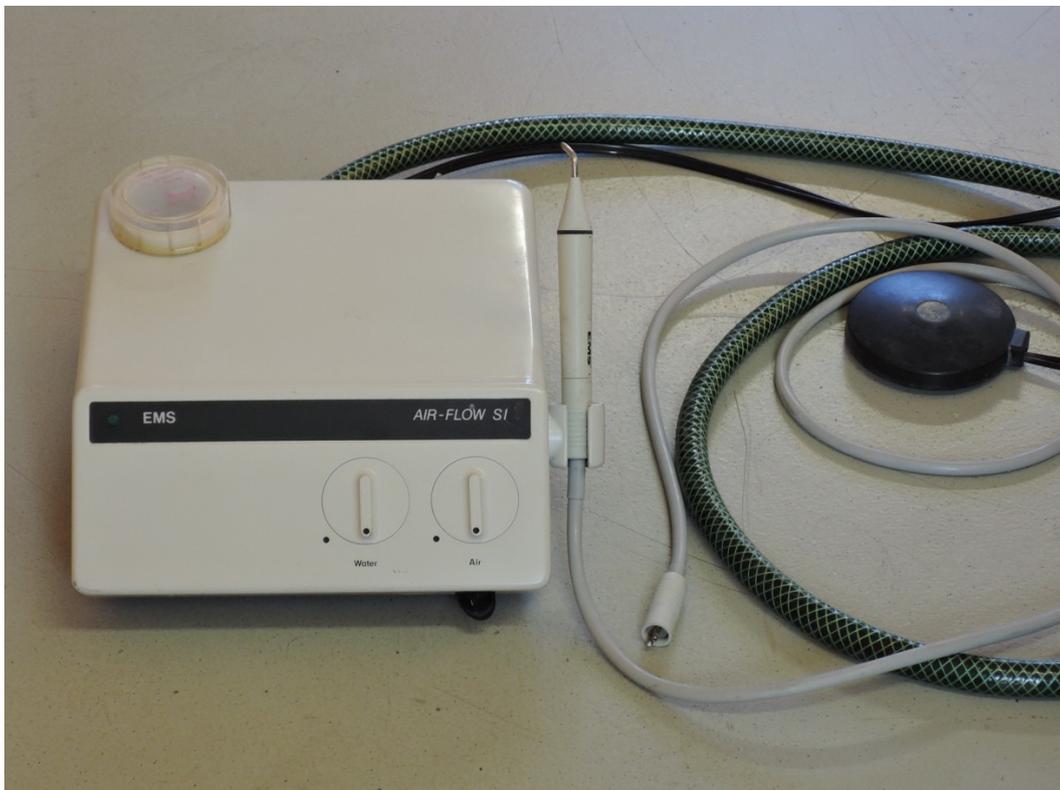
E.M.S AIRFLOW S1 AIRBRASIVE MACHINE

By

ERIC MILSOM

Palaeontological Conservator

The Electrical Medical Services E.M.S S1 Airflow Airbrasive Machine was developed for the dental trade, and now it and machines like it are widely used by dentists for the cleaning of teeth; it can also be used for abrading away rough edges on computer equipment. Like this machine and many more we use were not made for the Palaeontological world, but we can benefit very well from them. This airbrasive was first found by Dr Norbert Micklich, leader of the Grube Messel unit of The Hessisches Landesmuseum Darmstadt Germany. We in the preparation unit were asked to try it out and give our opinion. We all after trying the airflow on various types of fossils gave it 10 out of 10, it is a perfect machine for fine preparation. The machine itself has not only the possibility of being used dry (powder and air) for vertebrate material, but also can be used with water (powder, air and water), for preparation of delicate insects and leaves. The machine itself is easy to use: there are two controls on the front, one for water and one for powder and air; at the back it has four leads: electric, compressed air, foot peddle and water inlet; on top of the machine is the powder chamber. The foot peddle control is very easy and light to use, the hand piece is well designed as it has an angled nozzle which makes for easy working and also gives the advantage of being able to get onto difficult under cuts. On the machine, where the hand piece is slotted in when not in use, there is a cut-out switch in it; with this the whole machine will not work, a good safety point. The machine comes with a cleaning kit, two needles, small rubber gaskets and two spare nozzles. The cleaning of the nozzles must be done regularly as to give a clear powder flow. All in all this is the best airbrasive machine to come into the world of preparation for many years, and I highly recommend it.



This is the Electrical Medical Services Air-flow S1