



DOSCO

TUYERE CUTTER

ENGINEERING SOLUTIONS



Dosco Tuyere Cutter – P.E.M. Marignac – France



Dosco Tuyere Cutter – North West Alloys –U.S.A.

General Data: (PEM Marignac) Length – Cutter Extended Length – Cutter Retracted Height (Floor to top of lift frame) Width (overall) Weight	4741 mm 4385 mm 4293 mm 3600 mm 10 tonnes
Power Pack: Electric Motor	45 kW : 1460 rpm : 380 v : 50 Hz
Cutting: Normal Depth of Sump Sumping Thrust @ 140 bar Total Pick Cutting Force 800mm Head	900 mm 118 kN 16.8 kN

ADVANTAGES

- *Accurate profile leaving smooth surface.*
- *Reduction in time furnace is out of operation.*
- *Operators work in safe environment – Remotely Operated*
- *Can be installed when furnace is still at high temperature.*
- *Machine can be readily moved from one furnace to another.*
- *Machine designed to suit customer requirements, head diameter etc.*

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Description

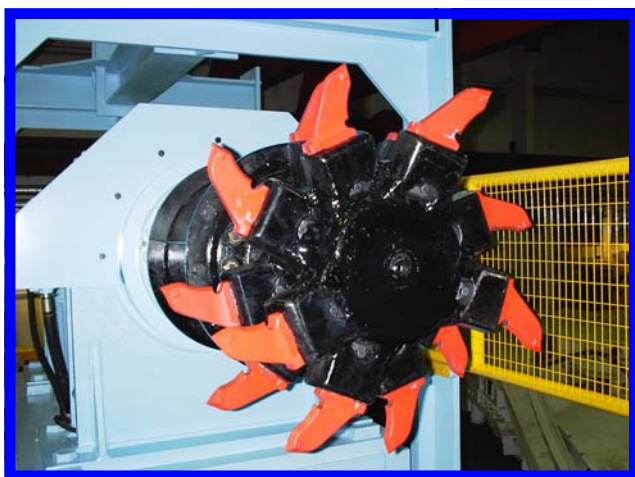
In order to mechanise and speed up the process of removing the build up of slag within the tuyere, Dosco Overseas Engineering Ltd. offer a unique machine to carry out this task.

The Dosco Tuyere Cutter consists of a rotary cutting unit mounted on to a boom arrangement. The machine produces an accurate profile leaving a smooth surface which will slow down residual build and eventually mean the furnace does not need to be taken out of operation as often or for as long a period for the cleaning process to take place.

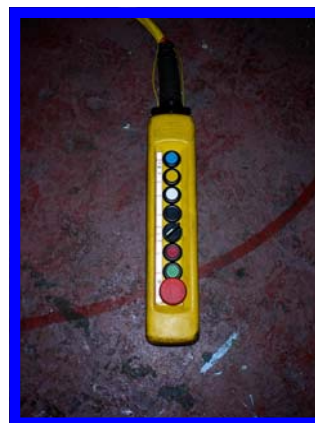
Many advantages are gained by the use of this machine and the one major advantage is that it can be installed and set to work when the temperature within the furnace is still too high and unsuitable for the old method of manually cleaning out using jack hammers, a hazardous and uncomfortable procedure for the operators.



Dosco Tuyere Cutter Side View – P.E.M. Marignac – France



Cutting Unit



Remote Pendant Controller

To date machines have been supplied to North West Alloys Inc. of Washington, USA and Pechiney Electro-matallurgie of Marignac, France.

The Dosco Tuyere Cutter machine can be supplied with either an electric or diesel power pack.

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PLEASE NOTE – Data is intended as a guide only as machines may vary according to specification requirements.

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