AUTOMATIC FEEDER FOR ROLL REDUCING MILL

The automatic feeder for roll reducing mill is a device designed and built to ensure constant feeding and automatic introduction of heating elements into the reduction mill.

With this device, the reduction mill is able to work autonomously at maximum productivity.

DESCRIPTION OF THE SYSTEM

- Heating element containment magazine
- Electro-pneumatic device for feeding one piece at a time
- Motorized rollers for the transport and introduction of the heating elements into the reduction mill, with the possibility of programming the feeding frequency
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- Possibility of adjusting the machine to different tubes diameters

TECHNICAL CHARACTERISTICS

Storage capacity	: pz.	100 (7,5) – 80(10)
Length of heating element	: mm	to be specified
Tube diameter	: mm	7,5-14
Installed electrical power	: Hp	0,30
Supply voltage	: V	to be defined
Pneumatic power supply	: Ate	6
Height of heating element axis from floor level	: mm	850-950

AVAILABLE VERSIONS

	Length of heating elements
Mod. 140/50.100000	300 - 1.000 mm
Mod. 140/50.150000	300 - 1.500 mm
Mod. 140/50.200000	300 - 2.000 mm
Mod. 140/50.250000	300 - 2.500 mm
Mod. 140/50.300000	300 - 3.000 mm
Mod. 140/50.400000	300 - 4.000 mm
Mod. 140/50.500000	300 - 5.000 mm
Mod. 140/50.600000	300 - 6.000 mm

OPTIONAL

Dielectric strength test

An appropriate instrument and its circuit ensure that the “Dielectric Strength” test is carried out on the heating elements before rolling, removing rejected pieces automatically.

A dielectric strength test before rolling has the following advantages:

- Immediate control of the quality of the heating elements
- Possibility to re-use the tube, magnesium oxide and coils of the rejected heating elements before rolling

The system is made up of:

- Electric contact for the dielectric strength test
- Electronic testing equipment with adjustable testing voltage between 0 and 3000 V - 5 mA
- Electropneumatic device to separate rejected elements, before rolling

Figure 1 Front view of the automatic feeder with dielectric strength test

Figure 2 Rear view of the automatic feeder with the dielectric strength test