AUTOMATIC FEEDER FOR ROLL REDUCING MILL COMPLETE WITH DIELECTRIC STRENGTH TEST AND AUTOMATIC SELECTION OF REJECTS

This is an electropneumatic device, which has been designed and produced to ensure the regular automatic feeding of the heating elements into the roll reducing mill.

With this device, the roll reducing mill is able to work autonomously, giving its maximum productivity.

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

DESCRIPTION OF THE MACHINE:

- Section to hold the heating elements
- Electropneumatic device to feed one element at a time
- 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
- Transport of the heating elements into the roll reducing mill with motorised rolls, with the possibility to program the feeding rate by means of a timer
- Possibility of setting the machine for different tube diameters

TECHNICAL CHARACTERISTICS:

- Storage capacity : pcs. 100(10)-200(7.5)
- Heating element length : mm 300-3000
- Tube diameter : mm 7.5-12
- Installed power : Hp 0.30
- Power supply : V to be defined
- Pneumatic supply : Ate 6
- Height of heating element axis from floor level : mm 850-950

AVAILABLE VERSIONS:

<table>
<thead>
<tr>
<th>Heating element length</th>
<th>Heating element length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mod. 140/40.100000</td>
<td>300 - 1000 mm</td>
</tr>
<tr>
<td>Mod. 140/40.200000</td>
<td>300 - 2000 mm</td>
</tr>
<tr>
<td>Mod. 140/40.300000</td>
<td>300 - 3000 mm</td>
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<tr>
<td>Mod. 140/40.150000</td>
<td>300 - 1500 mm</td>
</tr>
<tr>
<td>Mod. 140/40.250000</td>
<td>300 - 2500 mm</td>
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</tbody>
</table>
SPECIAL VERSION FOR LENGTHS BETWEEN 3000 AND 6000 MM

DESCRIPTION OF THE MACHINE:
Automatic table feeder for tube length from 400 to a max of 6000 mm (depending on model) for diameters between 7.5mm and 20 mm (max 24 elements diameter 20mm). The feeder can be adjusted to suit different diameters. The feeder includes the dielectric strength test (hipot) voltage between 0 and 3000 V - 5 mA

AVAILABLE VERSIONS:

<table>
<thead>
<tr>
<th>Heating element length</th>
<th>Mod. 140/40.400000</th>
<th>400 - 4000 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mod. 140/40.500000</td>
<td>400 - 5000 mm</td>
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</tr>
<tr>
<td>Mod. 140/40.600000</td>
<td>400 - 6000 mm</td>
<td></td>
</tr>
</tbody>
</table>

SPECIAL VERSION FOR LENGTHS GREATER THAN 6000 MM

DESCRIPTION OF THE MACHINE:
- Stack chain transfer device to hold (in vertical stack) several elements per position and transfer the heating elements
- Electropneumatic device to feed one element at a time
- 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
- Transport of the heating elements into the roll reducing mill with motorised rolls, with the possibility to program the feeding rate by means of a timer
- Machine set for one tube diameter

AVAILABLE VERSIONS:

<table>
<thead>
<tr>
<th>Heating element length</th>
<th>Mod. 140/40.600000</th>
<th>300 - 6000 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mod. 140/40.700000</td>
<td>300 - 7000 mm</td>
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<tr>
<td>Mod. 140/40.800000</td>
<td>300 - 8000 mm</td>
<td></td>
</tr>
</tbody>
</table>

Optional extras
Mod. 140/40.000050 – Set of parts subject to wear
Mod. 140/40.000060 – Set of spare parts