



DOCTORING MACHINE VIS100-800 (Laem System)

Bidirectional Web Inspection Machine
*Centre rewinding technology on lateral
expandable shafts*

Technical Specification

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1. General Characteristics

The VIS Machine is designed to correct alignment errors and to remove defective spans from finished reels of APET sheet. The machine is bidirectional, allowing the web to run through the machine in either direction: during first passage (from right to left), the web is checked by the operator and if necessary the defective spans are eliminated with help of splicing table. Once the reel has been cleaned and rewound, it can be unloaded, or if necessary, processed again (from left to right), especially if the material is printed.

Splicing table is located in a comfortable ergonomic position, and it is designed to facilitate the splice (top and bottom) of rigid materials.

2. Web materials to be handled

- The doctoring machine can unwind, process and rewind APET/PE materials
- Thickness range to be considered is 50 – 600 μm

3. Machine

Maximum material width:	<i>800 mm</i>
Maximum outer diameter unwinding/rewinding:	<i>1000 mm</i>
Diameter cores unwinding/rewinding:	<i>3" / 6"</i>
Maximum mechanical speed:	<i>600 m/min</i>
Unwind & Rewind Tension range:	<i>25-250 N</i>
Taper Tension:	<i>From 100% to 50% of the set tension</i>
Web direction:	<i>Bidirectional</i>
Electric power supply, drive:	<i>CA 400V – 50HZ</i>
Electronic power supply, service voltage:	<i>12 kW</i>
Electronic components:	<i>Siemens</i>
Min. Pressure of compressed air supply:	<i>6 bar</i>
Consumption of compressed air, humidity free:	<i>70 l/hr</i>
Noise level Lp(A):	<i>< 80 Db(A)</i>
Safety standard:	<i>DM 2006/42 CE</i>



4. Unwinding/Rewinding parametres

Maximum jumbo roll width:	<i>800 mm</i>
Width of rollers / draw roller:	<i>900 mm</i>
Maximum jumbo roll diameter:	<i>1000 mm</i>
Unwinding and Rewinding Shafts:	<i>Two 3" + two 6" shafts</i>
Maximum jumbo roll weight:	<i>800 kg</i>
Type of cores:	<i>Good quality cardboard</i>
Web guide stroke :	<i>± 50 mm</i>
Rewinding method	<i>Central drive, with rubberized lay-on roller across the full nominal width</i>

The machine is CE certified and meets the international safety standards.

Machine pictures available on next page.









