

Dandy roll is intended for installation in PM wire parts. It is designed for **improvement of surface quality** especially of printing papers. Usually is installed between suction boxes.

Design

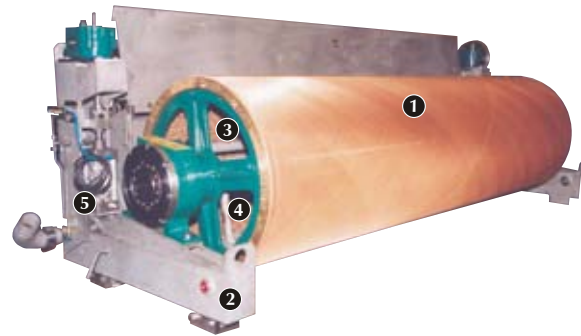
The dandy roll location depends on required quality of papers to be produced. Under the roll there are usually 2 register rolls installed for discharge of water squeezed out from the paper stock. At higher PM speeds it is necessary to install a suction box under the dandy roll. Its supporting part is welded of stainless materials and consists of stands attached to main beams, dandy roll trough and levers for attachment of bearing housings. The own dandy roll design is based on its self-supporting structure made of bronze or stainless wires and bars intermittently wound in a spiral and fixed to faces. Its surface is provided with a diagonal wire lattice of different structure according to required paper qualities.

The dandy roll is equipped with a steam and shower tube. Washing water and condensate are trapped in a trough and from here led under the machine. The dandy roll diameter depends on PM operating speed.

The roll control is based on a pneumatic roll linked to a hand-operated gearbox and a motion screw adapted to fine down pressure setting of the dandy roll and used for lifting in an off-duty position.

The dandy roll is driven by an electric motor with a gearbox linked to PM drive. In case of paper machines with smaller working width it is possible to use non-powered dandy rolls. At higher operating speeds it is necessary to install a roll with a doctor and a chest trapping splash water and preventing unwished markings on paper being just produced.

Machine design and work safety are in compliance with EU standards.



Main parts

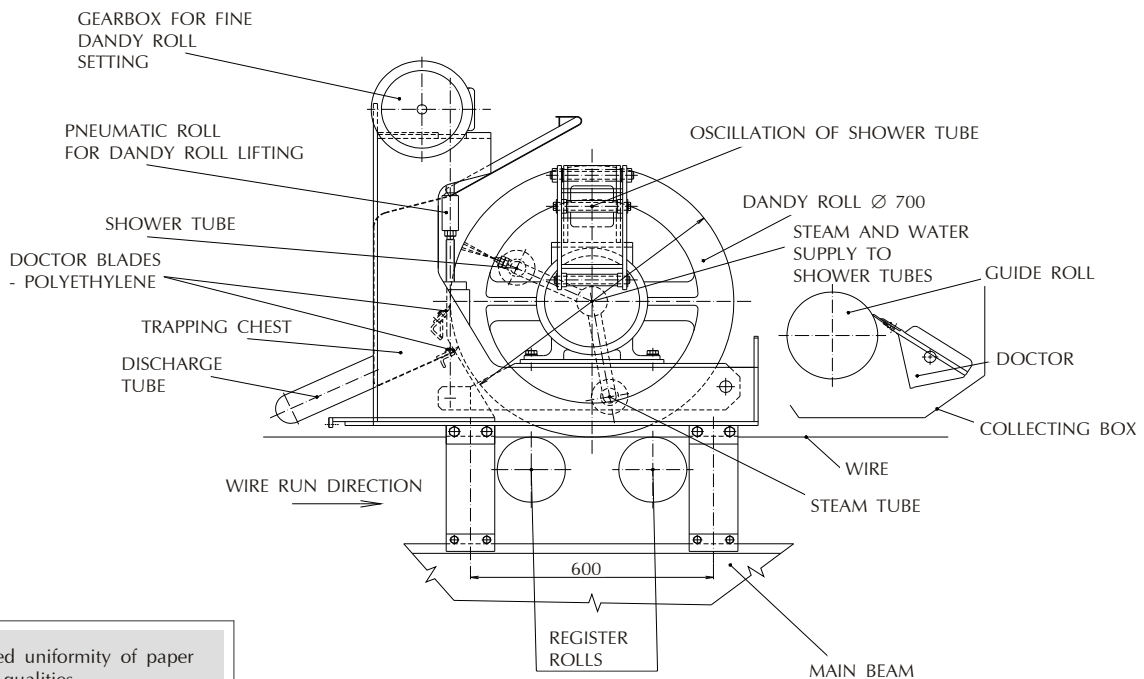
- dandy roll (1)
- bearing part with stands for attachment to main beams in PM wire part (2)
- shower tube with oscillation (3)
- steaming shower tube (4)
- dandy roll control (5)

Scope of delivery

- complete machine according to main parts description
- Machine can be delivered optionally with a driving unit linked to PM speed or without driving unit. For higher operating speeds dandy rolls can be delivered with a trapping system of splash water.

Material

- bearing part - material 1.4404
- trough - material 1.4404
- dandy roll - material Cu Sn 8
- upper wire - material Cu Sn 8



- improved uniformity of paper surface qualities
 - easy operation and maintenance
- Advantages**