MOTOR POLYP GRAB

Motor polyp grab MPD is used for drawing of impurities from the pulper tank. The device is designed for a crane suspension. It can be hanged on a crane hook by a shackle.

Design

The motor polyp grab is intended for taking tangles of impurities from the bottom part of the pulper tank. Its driving aggregate is installed separately. The aggregate is hanged on a travelling carriage, moving on the crane track, and is mechanically coupled to the crane travel. The grab is interconnected with its driving aggregate by hydraulic hoses winding on a drum. This device is not allowed to be used in spaces with a potential explosion hazard.

Main parts

- bearing part for the crane attachment (1)
- steel jaws (2)
- hydroaggregate with an electric motor (3)
- self-winding drum of the hydroaggregate (connecting hoses to the grab) (4)

Material

- structural steel, protected against corrosion with a high-quality polyurethane coating

Grab

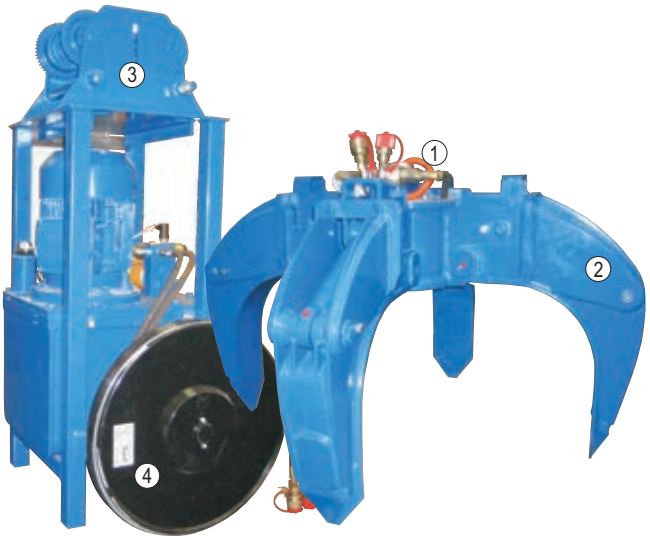
The grab consists of four jaws separately controlled by hydraulic cylinders. Its carrying part comprises a welded construction in a shape of a closed framing. The upper part is provided with a hinge for the crane hook. Attachment jaws and hydraulic cylinders for a jaw manipulation are tapped to the frame. Inside the frame, there is a distributor block providing hydraulic interconnection with all cylinders through hoses. The grab inlet is executed through a hydraulic lock and a pair of two quick couplers providing quick uncoupling of the device from the hydraulic hoses and its removal from the crane hook.

Driving aggregate

The grab is driven by an electric motor through a hydraulic aggregate. This aggregate comprises also an oil tank. On the oil tank top cover, there is an electric motor linked to a gear pump, and a distributor block with a filter. The aggregate is hanged on the travelling carriage with a drive. Pressure oil from the aggregate is led to the grab through hydraulic hoses winding on a drum according to an actual grab stroke.

Electric installation

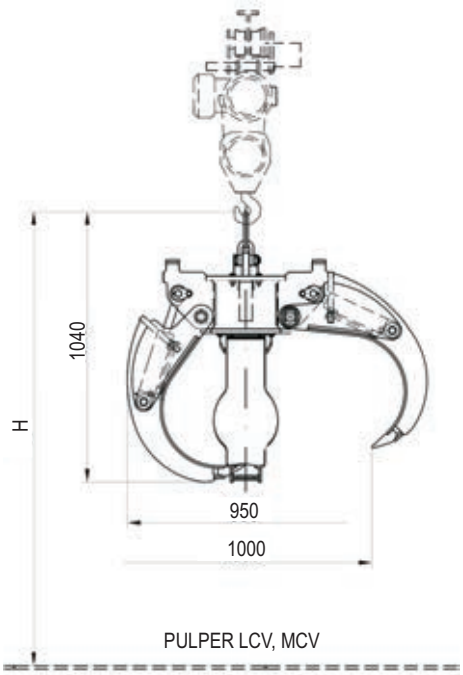
The grab is controlled by a hanging control board and the operator is standing on the ground. This control includes turning the hydraulic aggregate on and off, and opening and closing the grab jaws. In addition to that, there are warning lamps indicating stand-by mode, oil level and oil filter condition. Grab lifting, lowering and travelling can be controlled through the crane control board.



Advantages

- possibility of using for handling of diverse reject sorts
- simple maintenance and servicing
- easy operation and high work safety
- fast grab removal from the crane hook

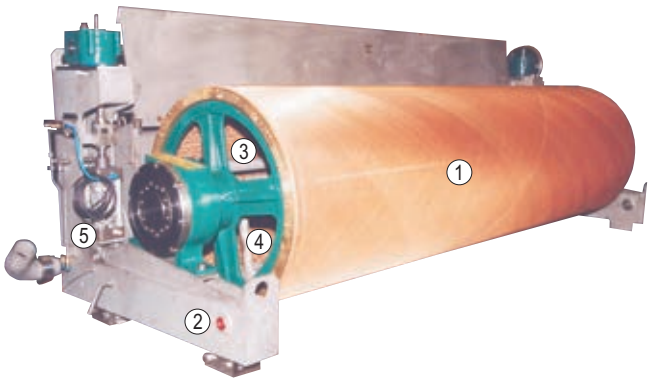
Machine design and work safety are in compliance with EU standards.



PULPER LCV, MCV

TECHNICAL PARAMETERS		
Max. carrying capacity	t	1÷3
Total weight (with hydroaggregate)	kg	600

DANDY ROLL



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

Design

The dandy roll location depends on a required type of produced paper. Under the dandy roll, there are usually two register rolls installed for a discharge water squeezed out from the paper stock. At higher PM speeds, it is necessary to install suction boxes under the dandy roll. Its supporting part is welded from stainless steel materials and consists of stands attached to main beams, dandy roll trough and levers for attachment of bearing housings.

The dandy roll is equipped with a steam and shower pipe. Washing water and condensate are retained in a trough and from there led under the machine. The dandy roll diameter depends on a PM operating speed. The dandy roll design is based on its self-supporting structure made of bronze or stainless steel wires and bars intermittently wound in a spiral and fixed to the faces. Its surface is provided with a diagonal wire lattice of different structure according to required paper qualities.

The dandy roll control is based on a pneumatic cylinder linked to a hand-operated gearbox, and a motion screw adapted to fine loading setting of the dandy roll. It is also used for lifting in non operating position. The dandy roll is driven by an electric motor with a gearbox linked to the PM drive. In case of paper machines with smaller working width, it is possible to use dandy rolls without own drive tank. At higher operating speeds, it is necessary to install a roll with a doctor and a splash water tank which prevents it from undesired markings on then produced paper.

Main parts

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

Material

- supporting part and trough are made of stainless steel
- dandy roll and upper wire are made of Cu Sn 8 material

Scope of delivery

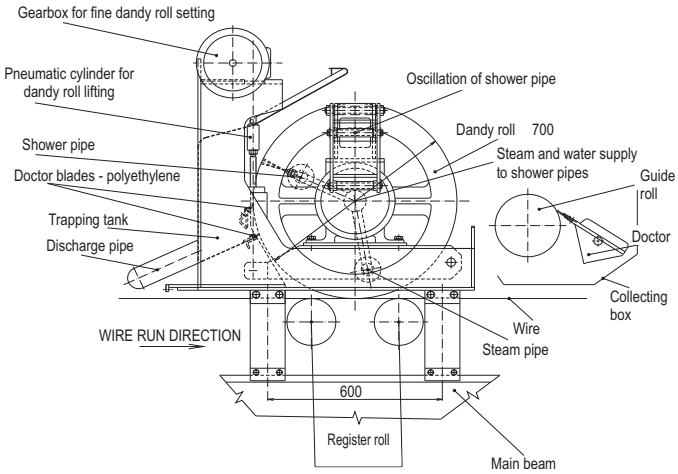
- complete machine according to main parts description

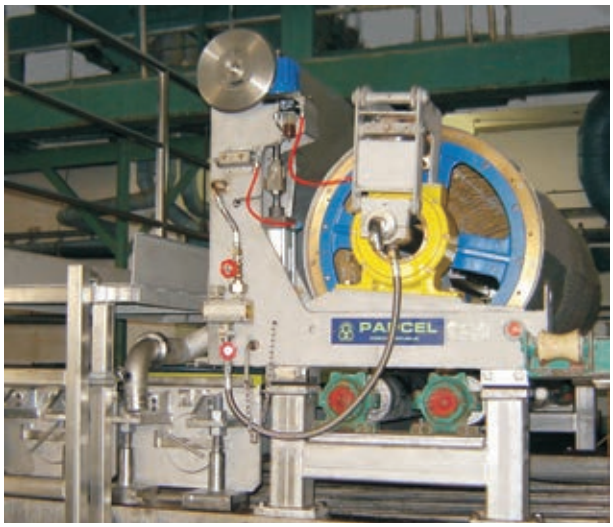
Machine can be delivered optionally with a driving unit linked to PM speed or without driving unit. For higher operating speeds dandy rolls can be delivered with a splash water retaining system.

Advantages

- improved uniformity of the paper surface
- easy operation and maintenance

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





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