

ProTech CW



Brush cleaning technology combines residue-free cleaning with outstanding performance and maximum profit



Cleaning agent and water are all that is needed for the cleaning process. Constant and highly effective cleaning with short cleaning times is assured regardless of the paper grade – from newsprint through SC and LWC to wood-free. BALDWIN brush cleaning units use environmentally compatible cleaning agents that have very low VOC values or are even VOC-free.

Greater profitability with upgrade options

The economic benefits of the new ProTech CW technology are also accessible to users of older BALDWIN Oxy-Dry brush cleaning systems who opt to upgrade to ProTech. The reduction in paper wastage shortens the payback period to twelve months on average.

The table shows a few typical values recorded in practice:

cleaning mode	ProTech *)
Impression-on	5 - 25 s
Impression-off	20 - 30 s

*) The times indicated here are based on empirical observations. Since the number and nature of the underlying parameters can vary considerably, depending on your specific press, material, and operating conditions, the results achieved in practice may deviate.

Advantages

In Practice

- Shorter make-ready times with “running-down cleaning” at the end of a job and “start-up cleaning” prior to starting printing
- “Crawl wash” assures the absolute minimum of wash-up waste, e.g. only ten waste copies with a 16-page press
- Even and continuous cleaning of the blankets assures consistently high print quality and safeguards production
- Gentle cleaning increases blanket life (up to 25 %)
- Compact design enables the cleaning units to be optimally positioned

Economical

- High flexibility delivered through diversified cleaning programs
- Extremely short wash cycles through the entire print run, with very low paper wastage and reduced blanket wash solution usage
- On short run jobs, cleaning can be done at the end of production at web-up speed

Ecological

- Less overall paper waste thanks to very long intervals and short cleaning times
- Environmentally compatible cleaning agent, low consumption



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Automated, almost residue-free cleaning of the blanket makes manual cleaning after printing or at the end of a shift unnecessary. Even with 1/2 or 3/4 web production, ink and paper build-up is completely removed.

The heart of the BALDWIN brush cleaning system is a virtually wear-free brush roller. During the cleaning process, this roller inside the cleaning unit is sprayed with cleaning agent and water from separate supply lines, and the amount of fluid applied is individually metered. The prepared brush roller then cleans the blanket cylinder.

Cleaning programs to optimize performance

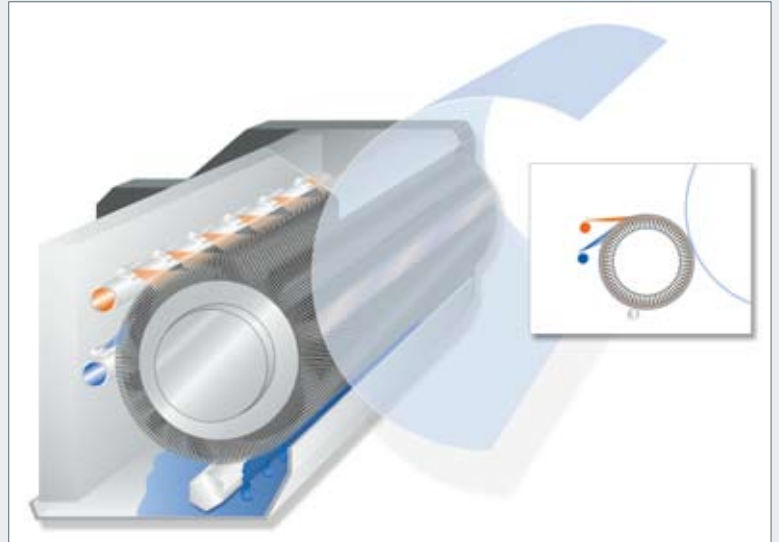
Start-up cleaning

- **Wet start:** With the “wet start” function used for slight ink and paper build-up, the blankets are merely dampened with cleaning agent in a brief cleaning cycle lasting approximately 10 s. In impression-on mode, this reduces the risk of web breaks to almost zero.
- **Start-up cleaning:** The blankets can be cleaned at approximately 6,000 - 10,000 rph to remove medium ink and paper build-up.
- **Crawl wash:** The blankets are cleaned at web-up speed (300 – 700 rph) in the event of substantial ink and paper build-up.

Production cleaning

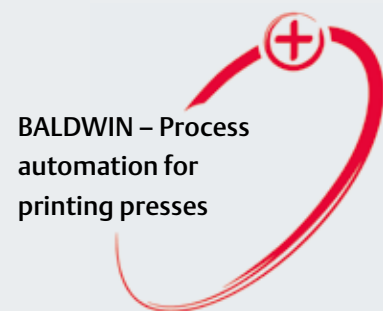
Impression-on and impression-off cleaning programs are available for production cleaning. Automatic functions like splice wash (impression-on cleaning when changing reels) considerably simplify the operator’s task.

- Impression-on cleaning takes place at full production speed.
- In impression-off mode, the speed is reduced to appr. 30,000 rph. Many modern commercial machines integrate quality ramps, so that good copies continue to be produced as the machine is run down and paper wastage is absolutely minimized. Alternatively, the cleaning process can begin during the ramp.



Running-down cleaning

Running-down cleaning can take place as the machine is run down, either during the ramp or at web-up speed – in both cases in the impression-off setting.



Contact us for:

- Professional advice and support
- Further product information
- Return on investment calculation (ROI)

