



IRP- Plus Ink Roller Protect

Productdescription

The average gives the world its existence,
the extraordinary their value.
(Oscar Wilde)



IRP- Plus

Easy printing of part-width paper (narrow) webs

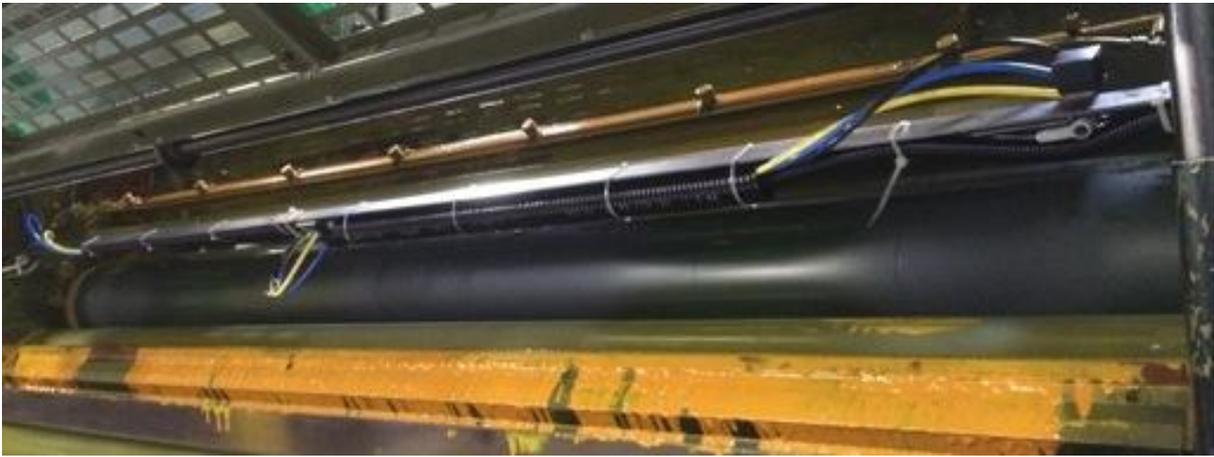
In the case of production of part-width webs, it is inevitable that there will be roll or even printing plates, blanket or sleeve damage if these are produced with the same productivity as full-width productions. This damage is caused by “dead ink”, overheating and excessive friction in the unprinted area. It can also lead to calcification on the rollers in the area mentioned.

Here, the printers have to accept damage to the rollers, which entail to additional and considerable costs for maintenance, material procurement and downtime.

In order to protect against these additional costs, the machine speeds are significantly reduced in corresponding narrow productions to extend life of the rollers, etc. This inevitably leads to productivity losses and thus to significant yield reductions. Printers are faced with the choice of either increasing operating costs or reducing yields. In both cases, depending on the proportion of part-width productions, the total production and page size of the machine can be assumed to be in the six-figure range per single plant and year.

Previously available systems on the market, which prevent or delay the roll damage have deficits in the following areas:

- a) Efficacy
- b) Operational safety and reliability
- c) degree of automation
- d) Avoiding human errors
- e) Avoidance of unnecessary color consumption
- f) Emergence of chargeable hazardous waste
- g) Use of expensive Ewida- scraper systems
- h) No prevention of lime deposits in the non-printing area
- i) Extended set-up times
- j) High maintenance costs
- k) High purchase costs



IRP- Plus

Protects your roller covers, blankets and printing plates

Increase your productivity, stability, quality and on-time delivery with a significant reduction of failure, maintenance and production costs.

IRP is a fully automatic system for the lubrication and cooling of ink rollers in the roller mill in the production of part-width webs in offset printing units. Maximum speeds without roll failures are possible thanks to the IRP. Lime and similar deposits in the exterior of the roll covers are avoided.

Blistering and bursting in the unprinted area of delicate sleeves or blankets are avoided.

All rubber components remain velvety, supple and free from deposits.

Scraper- systems (Ewida scraper) are not necessary with IRP-Plus, as the quantity and properties of the specifically developed RP42102 varnish oil make them completely superfluous. These scrapers and associated tubs can either be expanded or not even be purchased. Adjustment and maintenance are eliminated.

IRP is the necessary component for production of part-width paper webs (narrow-web) in 16- to 96-page machines.

More than 100 printing units from manroland, GOSS or KBA were equipped with IRP.



IRP- Plus

All advantages at a glance

- Favorable purchase, financing or rental costs versus significantly higher productivity and lower maintenance and repair costs mean that payback periods of well under one year can be achieved.
- Fully automatic system, no adjustment or intervention of the operating personnel necessary.
- Significantly longer service life of roll covers, usually from annual maintenance to annual maintenance and significantly longer.
- Prevention of limescale and similar deposits on the rubberized surfaces.
- Avoid blistering and bursting of blankets and sleeves.
- Very low maintenance and failure costs as well as avoidance of unplanned downtime.
- No speed reduction for productions of narrow- webs.
- Constantly lower roll temperatures in the critical "non-printed area".
- No "dead-running" of the inks in the "non-printed area", as the ink zones remain completely closed.
- Constant, homogeneous protective film on all rollers.
- No cleaning of the rollers when converting to a wider web.
- No set-up, adjustment or cleaning work on the Ewida- Scraper or ink drip pans or no acquisition costs if a scraper- system is not present. Existing scraper systems can be dismantled.
- Can be installed independently of manufacturer in every web offset press.
- Low maintenance costs, annual maintenance perfectly adequate.
- Short amortization period, usually well under one year.

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