On-site repairs of damaged metal surfaces Example:

# **Surface Of Printing Cylinders**

Badless electroplating special process very inexpensive & time-saving

## Content

- Part 1: Process description
- Part 2: Areas of application

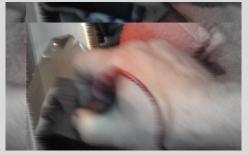
- Part 3: Examples for a better understanding:
  - Different types of cylinder damage
  - Cylinder repair with cost calculation

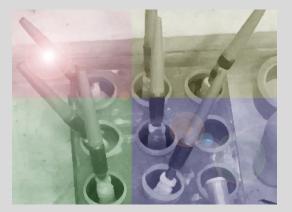
Part 4:

#### Summary

## **Process description**



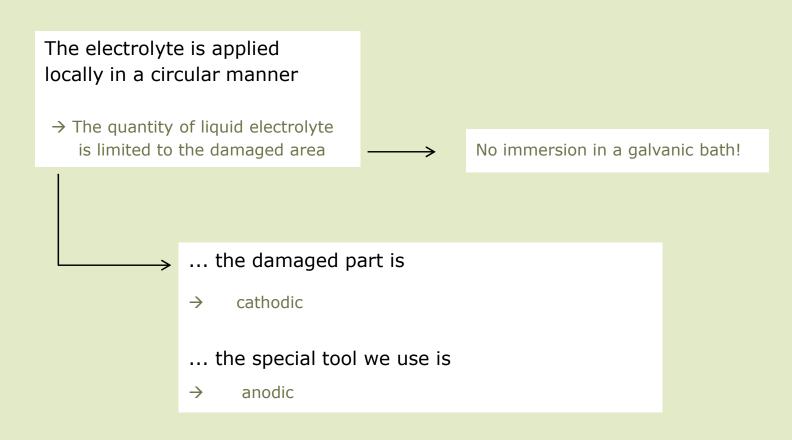




### Process / technology

On-site repair of damaged surfaces using

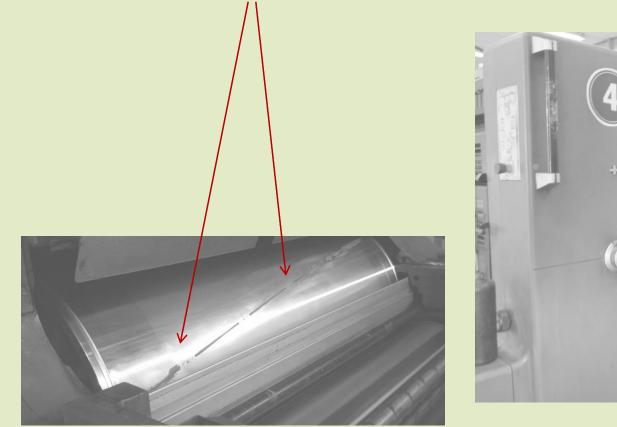
#### locally electrolytic coating



## Areas of application

### Printing industry / sheet and web printing machines

On-site repair of damaged cylinder surfaces

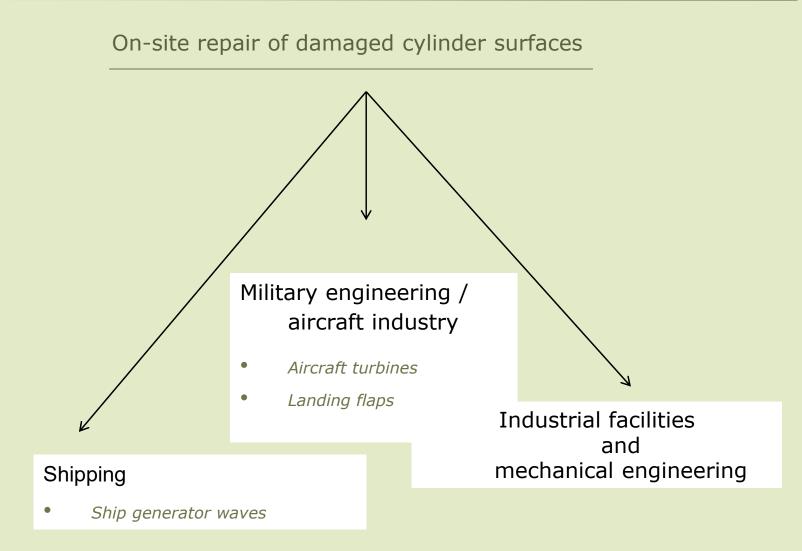




Sheet printing machine

Damaged cylinder of a Sheet printing machine

### Areas of application



**Practical examples** 

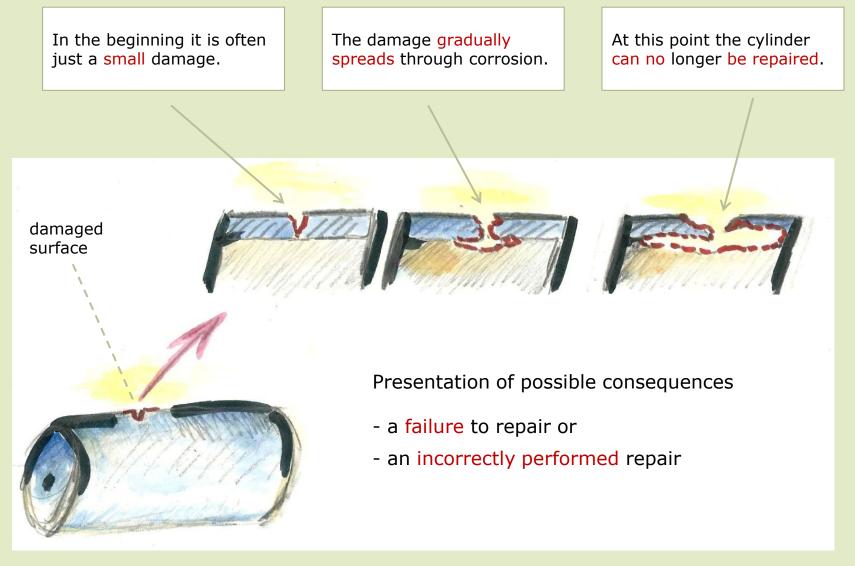
## Damage on Printing cylinders







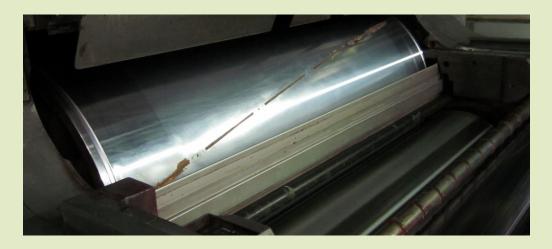
# Consequences of a repair that has not been carried out



Practical example

## Repair of Printing cylinders

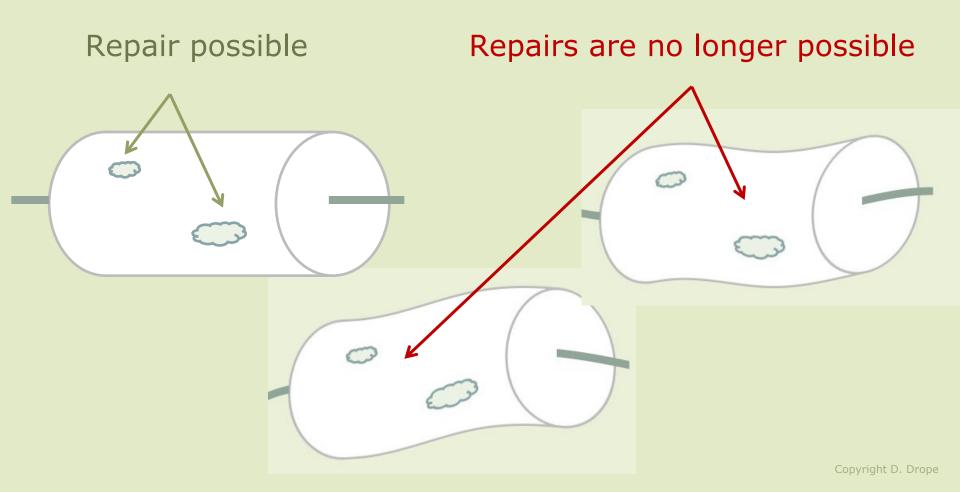
### Repair of damaged printing cylinder surfaces in a state printing house





Concentricity measurements on the damaged printing cylinders

- Checking the degree of damage
- Tolerance concentricity max .: +/- 0.01 mm, otherwise bearing / journal damage could result



#### Determine the extent of the damage





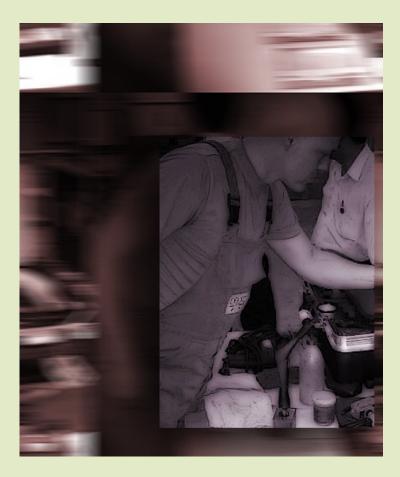
Checking the concentricity of the cylin







Advice on repair measures and scheduling



#### ... At the repair





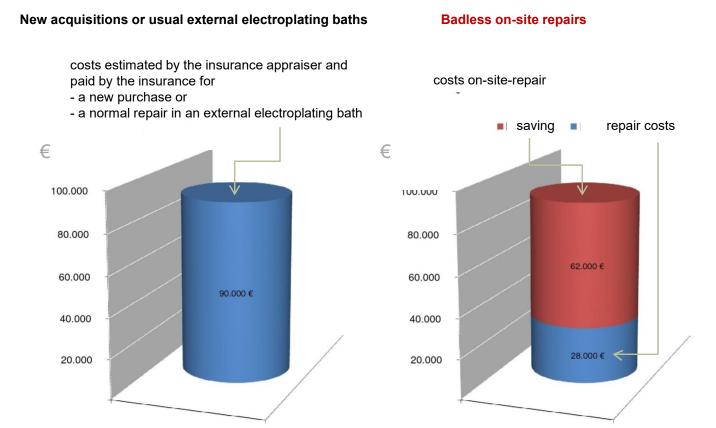


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### Example Of Cost Calculation

**Client: Customer Not Insurance** 

#### Cost comparison for new acquisitions, external electroplating baths and on-site repairs



### **Cost calculation**

for the example above

## 90 000 EUR Damage, according to the insurance report our repair costs 28 000 EUR Repair including additional costs such as material and travel Savings 62 000 EUR $\rightarrow$ around 70%

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## Summary

## **On-Site Repairs**

Compared to a conventional workshop repair, it is no longer necessary:

Money and time expenses for

- 1. Removing the damaged parts
- 2. Transport to the workshop
- 3. Return transport
- 4. Replacement

There is no need for a new purchase:

Money and time expenses for

- 1. Purchase price new parts
- 2. Removing the damaged parts
- 3. Logistics (transport to the customer)
- 4. Replacement

Time savings

... through on-site repair

Costs savings (up to 70%) ... through on-site repair

## **On-Site Repairs**

## Extensive worldwide experience - Europe - North and South America - Asia Practical experience - appr. 40 Years High security for our customers - the parts are as good as new after the repair - 21 up to 24 months guarantee !

nächste Folie

## Contact

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