



## **COMPANY PROFILE**

**NEWSWASH → Automatic Blanket Washing System**

**NEWSWASH → Automatic Satellite Washing System**

**INK ROLLER CLEANING**

**IDLE ROLLER CLEANING**

**NewsWash**



## COMPANY PROFILE

**Elettra S.r.l.** - Established in 1987  
North of Milan-Italy  
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**Elettra NA** - Based in Chicago to improve the support for sales/service and to consolidate the presence in the US market.  
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## Elettra – Business Area

Elettra's core business is the production of

**AUTOMATIC BLANKET WASHER SYSTEM** in the different printing fields :

- |                                 |                             |
|---------------------------------|-----------------------------|
| ✓ Sheet fed                     | <i>FastWash</i>             |
| ✓ Continuous form (Narrow web)  | <i>FastWash</i>             |
| ✓ Commercial Web ( heat-set ) , | <i>FastWash / Combiwash</i> |
| ✓ Book machines                 | <i>FastWash</i>             |
| ✓ Newspaper                     | <i>NewsWash</i>             |

## Other products of our portfolio

- |                                       |                           |
|---------------------------------------|---------------------------|
| ✓ Impression cylinder washing systems | ✓ Spray Dampening systems |
| ✓ Ink roller washer                   | ✓ Water Dampening systems |
| ✓ Idle roller cleaning system         | ✓ R&D                     |
| ✓ Chill Roller washing system         |                           |



NEWSWASH → Automatic Blanket Washing System (BCW)



NEWSWASH → Automatic Satellite Washing System (ICW)

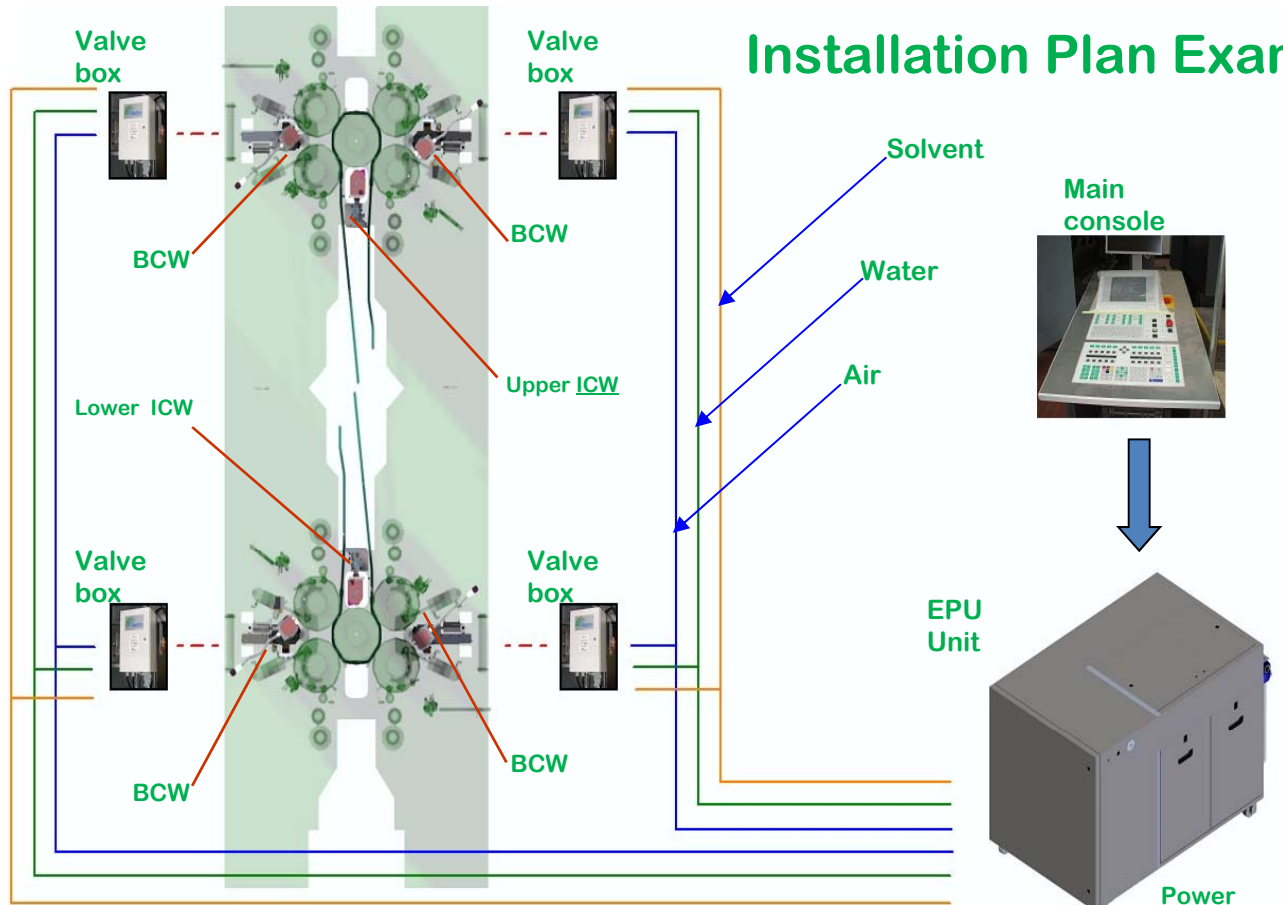


INK ROLLER WASHING BAR (IRW)



IDLE ROLLER WASHING SYSTEM

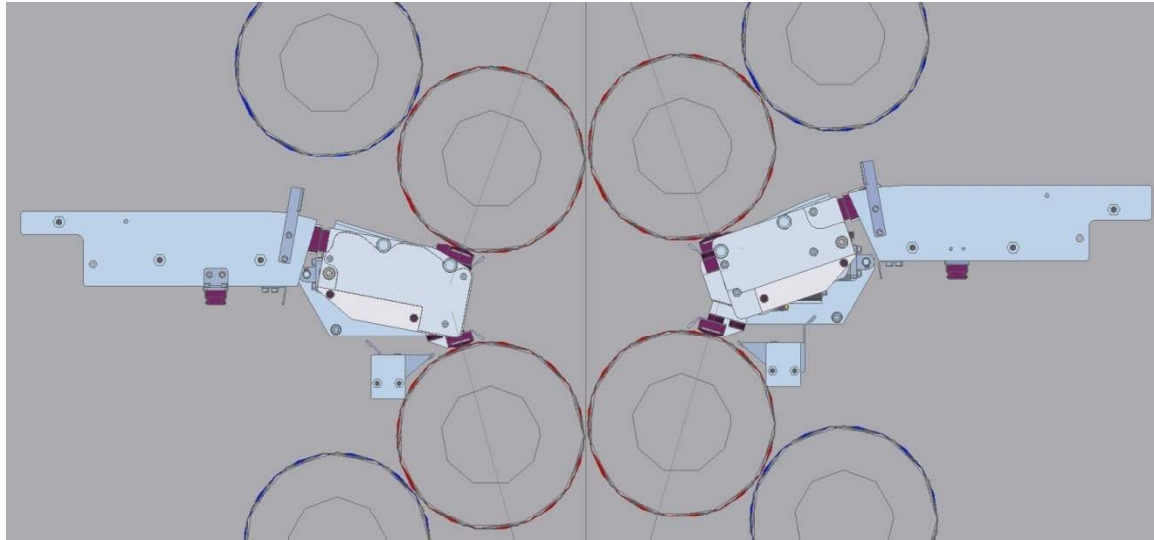
## Installation Plan Example



- No Liquid Waste
- No Filter unit needed
- Low Maintenance Requirement



Double Head Blanket Washer



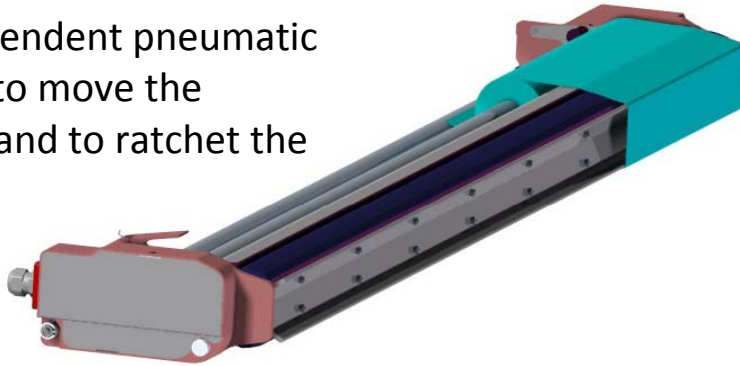
**FURTHER CONFIGURATIONS AVAILABLE**  
**MAX FLEXIBILITY FOR CUSTOMIZED SOLUTIONS**





## NewsWash

- Dry Cloth Technology
- Spray System
- 2 Independent pneumatic circuits to move the washer and to ratchet the cloth

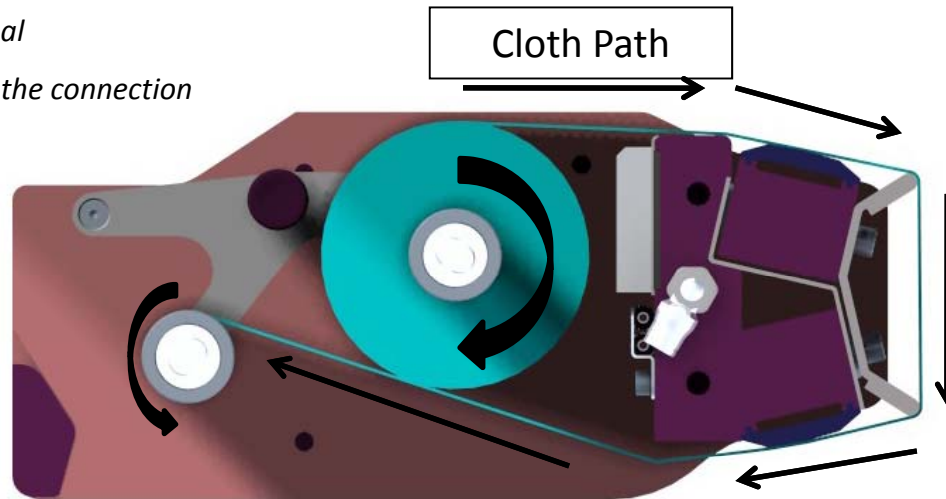


### Brake Side

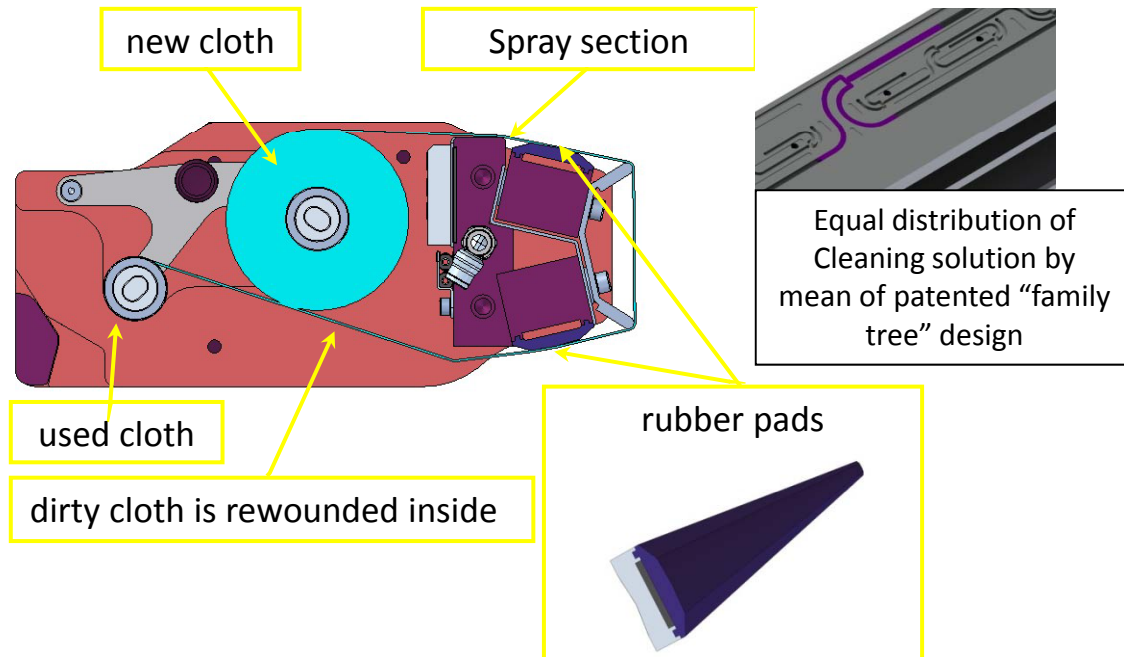
- Pneumatic Driven Brake  
→ High Security
- Spring Friction for Back Tension of the Cloth during ratheting operation

### Cloth Ratcheting System

- Pneumatic Ratcheting System
- Switch for end cloth signal
- Plug-in connector for all the connection



### Main Components of the Washer

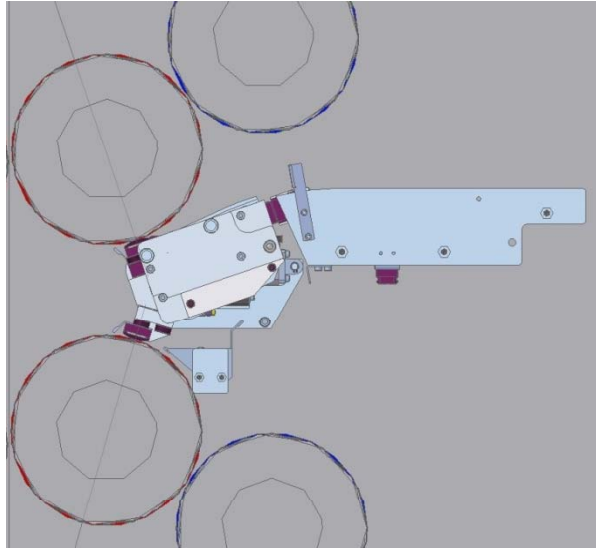


### Blanket washing cycle

1. The cleaning solution (solvent & water) is evenly distributed on the cloth all along the complete width of the web
2. The cloth is pressed against the blanket by the rubber pads
3. The dirty cloth is rewounded after the washing cycle

Washing time: ~2-3min



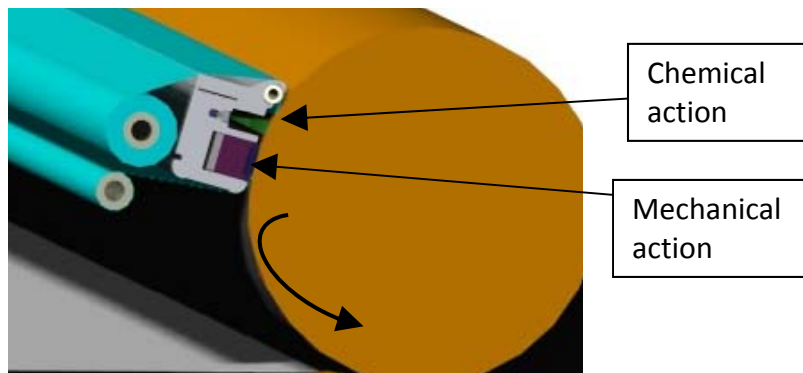


The cleaning process performed by the Elettra blanket washer system is a combination of two different actions :

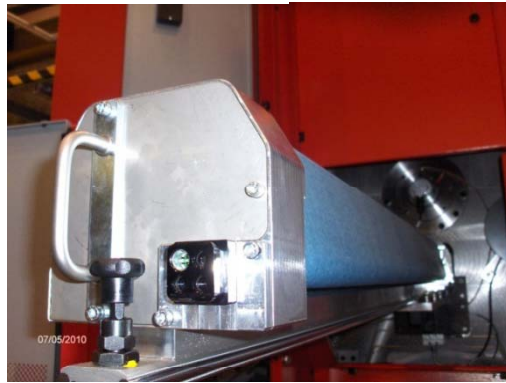
1) **Chemical action** given by the reaction of the cleaning solution in contact with the residuals of ink and paper present on the blanket surface.

Special nozzles apply the cleaning solution on the cloth which is pressed against the blanket cylinder by means of a rubber pad.

2) **Mechanical action** given by pressure of the washer's rubber pad against the blankets.



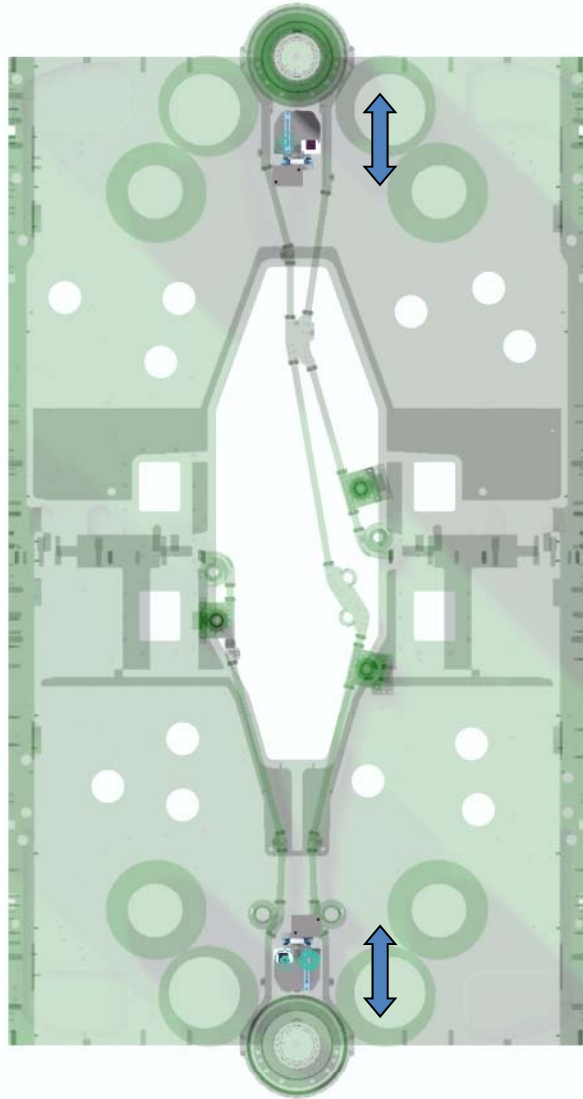
Satellite cylinder Washer



- Upper & Lower ICW available
- Pneumatic Drive Movement
- Linear Guide
- Easy change cloth position



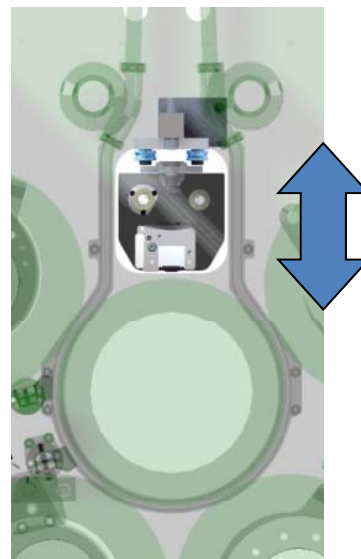
Satellite Washer



### Satellite Washing Cycle

The same cleaning process technology is applied for washing the upper & lower impression cylinders.

*During printing...* ICW can perform the “maintenance” washing cycles working at fixed frequency.



EPU – Electro Pneumatic Unit



- Tanks & Pumps for Cleaning Agent
- Pump for Water (NO Tank , direct connection to the Tap Water line)
- PLC & Interface with the Press
- Modem / VPN / Ethernet Line for remote service

Electrovalves box



ELECTROVALVES NEAR TO THE WASHER

- More speed on our system
- Clean & Fast installation



**ANCILLARIES : MOTORIZED CLOTH REWINDER**



Prepare the small rolls for the washers starting from a Jumbo Roll of cloth (500 Mt.) on Motorized Cloth Winder

*Pay the cloth at the proper market PRICE.....*



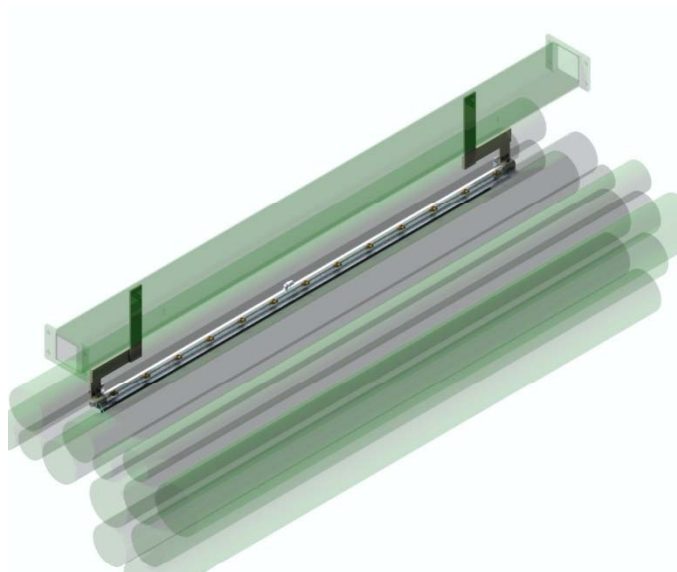
**PROTECTIONS  
ACCORDING CE MARK**

Safety  
Controlled by  
Micro-switch





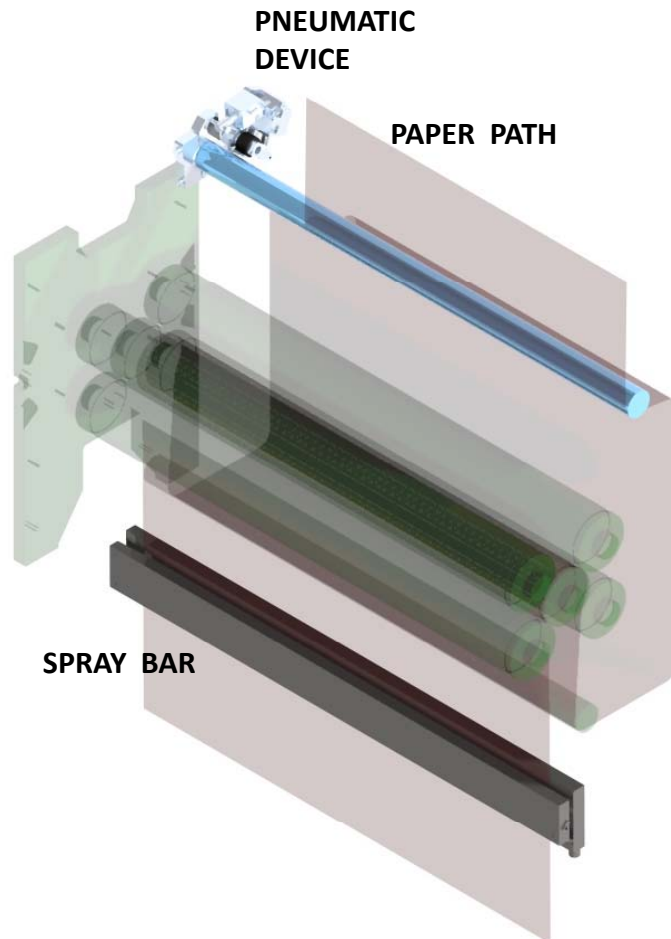
## INK ROLLER CLEANING



- Solvent supply Integrated in the EPU
- Control Integrated in NewsWash - Touch-Screen
- Spray system with nozzles
- Doctor Blade already installed into the printing unit



## IDLE ROLLER CLEANING



**Need to clean automatically Idle Rollers?**

Elettra has developed a new device, which perfectly clean your idle rollers using solvent and paper.

### **CLEANING PROCESS**

The spray bar applies solvent to the web ..

The brake devices reverse the rotation of the idle rollers against the web direction, thus creating a friction that enables the web to remove the ink and paper dust from the idler rollers.

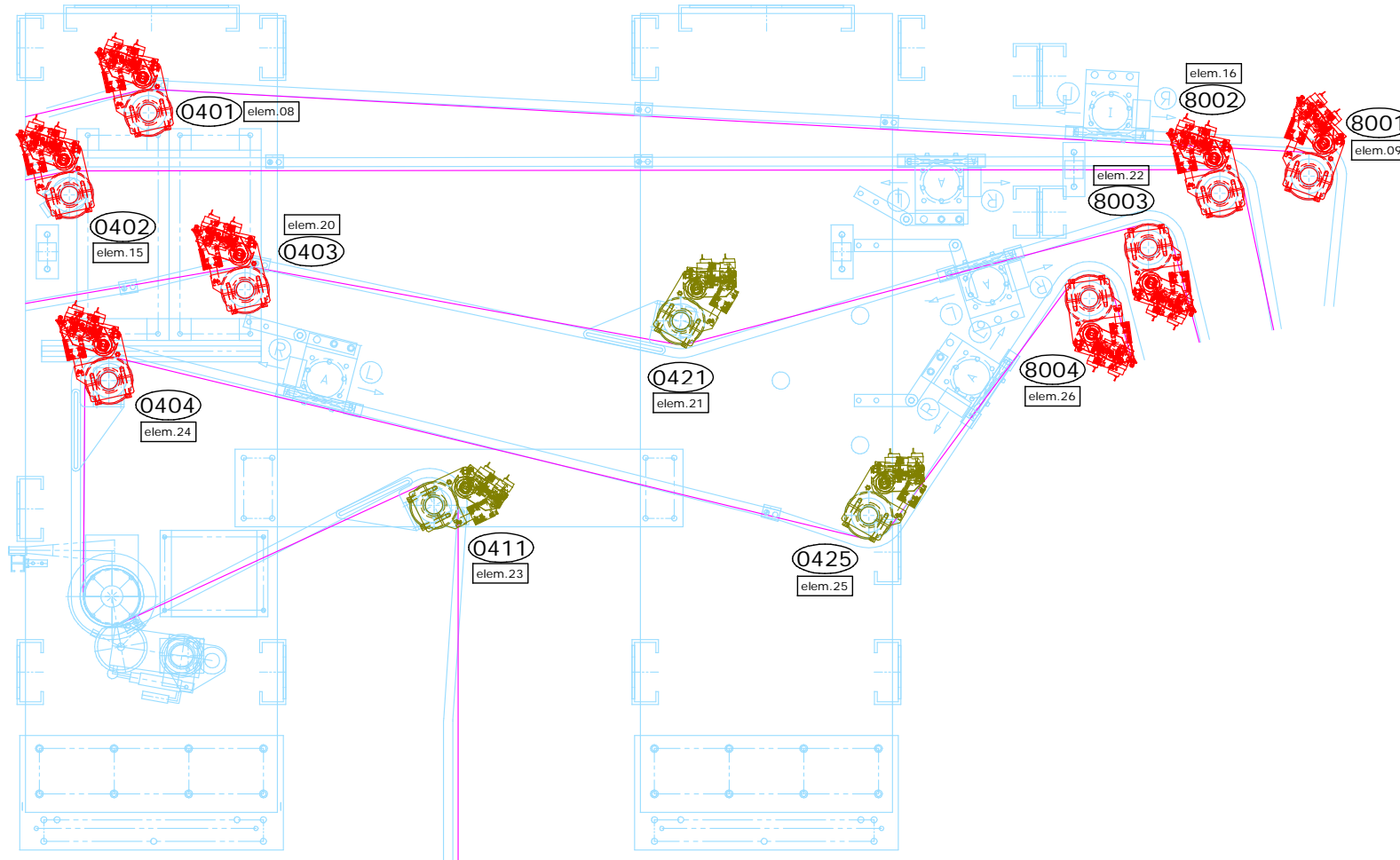


**PNEUMATIC**

**&**

**EASY TO HANDLE  
AND USE !!**

Example of Idle roller cleaning layout





Thank you very much  
for your attention...



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