

# Leading profiling actuator manufacturer

Tasowheel provides maintenance and repair services throughout the product's lifetime. Our actuators are well-known for their long life cycle and reliability. This ensures our customers an efficient and uninterrupted production.



## Original spare parts, maintenance and repair services from the manufacturer

### Dilution actuators



### Slice lip



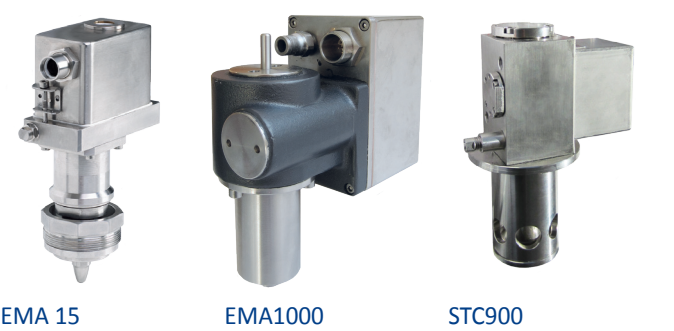
### Moisturizing



### Edgeflow



### Steam



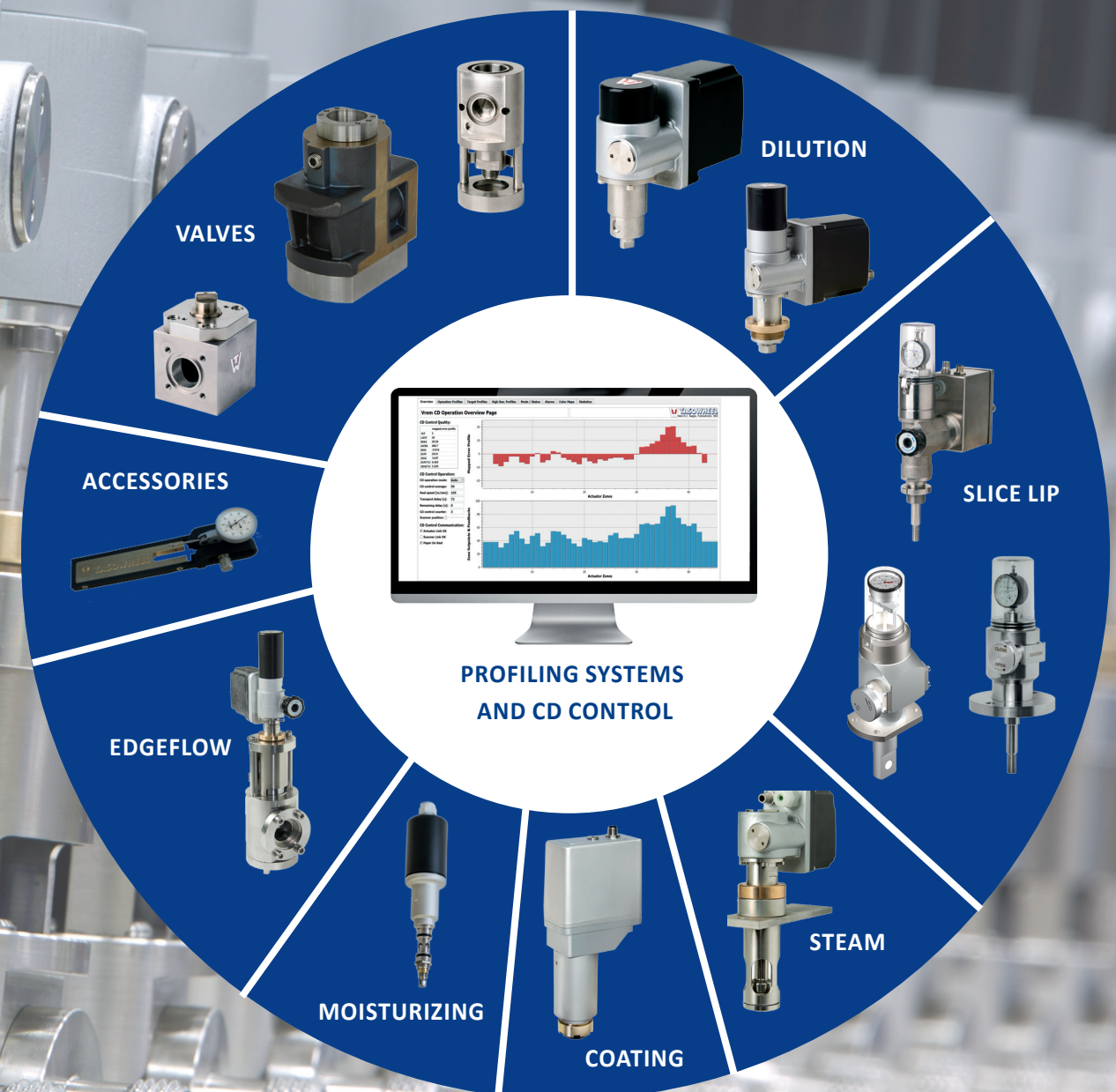
### Coating



Check our entire selection at [tasowheel.fi/tasowheel-systems/systems-products](https://tasowheel.fi/tasowheel-systems/systems-products)



## PROFILING EQUIPMENT AND SYSTEMS for the Paper and Board industry



Original CD Profiling components.

More than 40 years of industry experience.

More than 200 000 actuators and valves worldwide.





# Tasowheel actuators and valves for the Paper and Board Industry

## Dilution actuators



- RDA**  
Rotary Dilution Actuator
- Operating torque: > 20 Nm
  - Output: 90°
  - Spacing in one row: min 60 mm
  - Resolution < 0,05°



- LDA**  
Linear Dilution Actuator
- Operating force: up to 3500 N
  - Output: up to 50 mm
  - Spacing in one row: min 60 mm
  - Resolution < 10 µm

## Dilution valves



- RDV**  
Rotary Dilution Valve
- AISI 316, no plastic parts
  - Hard coated flow surfaces
  - Spacing in one row: min 60 mm
  - Straight through flow



- RDV-90 degree**  
Rotary Dilution Valve
- AISI 316, no plastic parts
  - Hard coated flow surfaces
  - Spacing in one row: min 60 mm
  - 90 degree through flow



- LDV**  
Linear Dilution Valve
- AISI 316, no plastic parts
  - Hard coated flow surfaces
  - Spacing in one row: min 60 mm
  - 90 degree through flow

## Slice lip



- Forte**  
Motorized linear Actuator
- Linear force: up to 9000 N
  - Output: up to 10 mm
  - Spacing in one row: min 65 mm
  - Resolution < 0,35 µm



- MLL**  
Manual linear Actuator
- Linear force up to 6000 N
  - Output: up to 10 mm
  - Spacing in one row: 100 mm
  - Resolution < 10 µm



- ML35000**  
Manual linear Actuator
- Linear force: up to 35000 N
  - Output: up to 20 mm
  - Spacing in one row: min 100 mm
  - Resolution < 10 µm

## Steam



- STA** Linear Steambox Actuator
- Linear force: up to 1000 N
  - Ambient temperature max 125°
  - Output: up to 10 mm
  - Spacing in one row: min 60 mm
  - Resolution < 5 µm

## Moisturizing



- MTA** Motorized Moisturizer Actuators
- Axial force 120 N
  - Protection class IP 67
  - 2 valve sizes: 15 l/h and 30 l/h

## Coating



- CA** Linear Coater Actuator
- Linear force: up to 5000 N
  - Output: up to 10 mm
  - Spacing in one row: min 60 mm
  - Resolution < 0,3 µm

## Edgeflow



- TASOEDGE** Linear Edgeflow Actuator with a valve
- Axial force up to 2000 N
  - Operating range 40 mm
  - Resolution < 10 µm

## Accessories



- Slice Gap Measurement
- Resolution < 10 µm
  - Excellent repeatability
  - Direct backlash indication
  - Measurement during actuator motion
  - Easy set-up without tools

# Tailored CD control systems

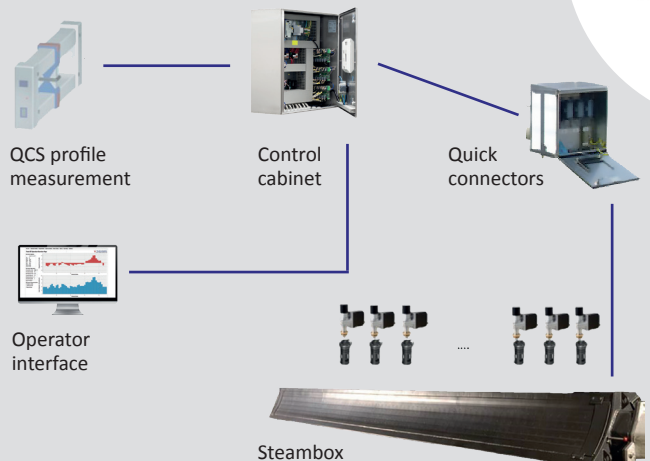
## Dilution



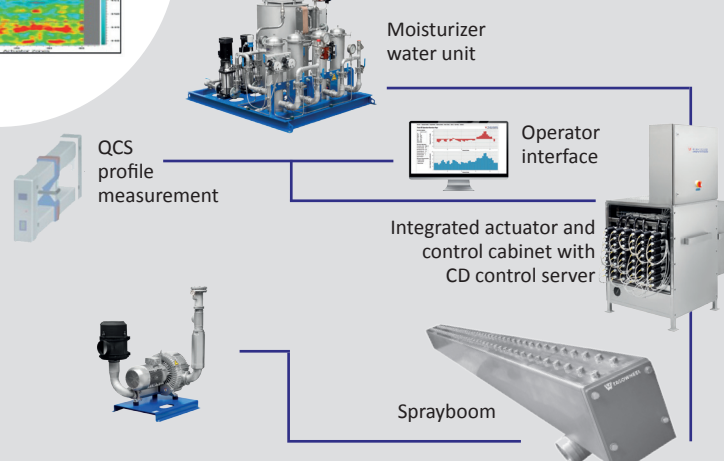
## Slice



## Steambox



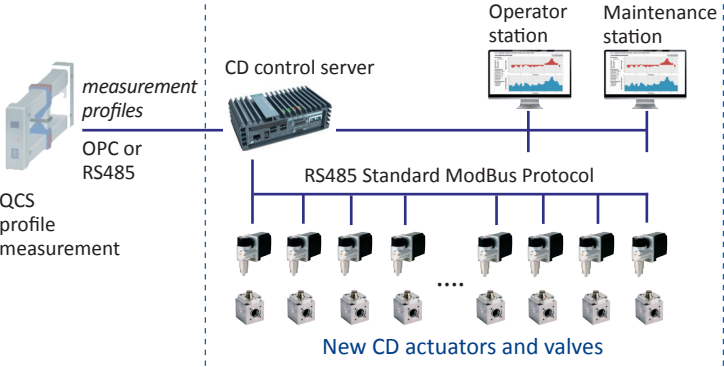
## Moisturizer



## Actuator server



## CD control



- Remote manual operator interface
- Connectable to any CD control software
- Graphic presentation of actuator status and position
- Actual numerical status of different features
- Actuator status, e.g. temperature, voltage, drifting
- Continuous fault diagnostics of the system and each actuator
- Slice lip bending limit monitoring

- Controls for accurate CD profiling with a simple user interface
- Communication with modern QCS via ModBus RTU interface or an OPC communication link
- Accurate mapping, high resolution to control profile
- Automatic mapping feature
- Automatic control of actuator positions

See references and case stories at [tasowheel.fi/tasowheel-systems/references](https://tasowheel.fi/tasowheel-systems/references)

