

## Upgrade RVMC–15 ➔ RVMC–15 plus Cost-effective upgrade to the latest technology



Fig. 1: Enhance your system to an Orthopac RVMC–15 plus with an additional scanner.



### **Easy retrofit of an existing straightening and process control system, type Orthopac RVMC–15**

- Simply mount the new scanning module on existing weft straightener
  - effortless mechanical and electrical connection
  - no modifications to the production line required
- Quick and easy software update
  - with new AI control
  - including all other version changes

**Two scanning units, one before and one after the straightening rollers, combined with an AI-based controller concept, guarantee the greatest possible control over the straightening process and minimised residual distortion.**

# Orthopac RVMC–15 plus

Upgrade to weft straightener with double scanning



## Retrofitting of existing machinery possible!

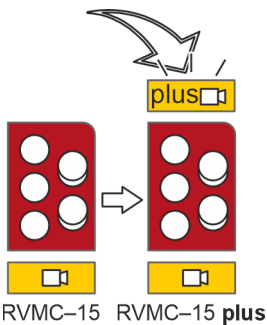


Fig. 2: Retrofitting to an Orthopac RVMC–15 plus

The newly designed scanning module makes it very easy to retrofit existing Orthopac RVMC–15 straighteners in the production line. This upgrades the device to an Orthopac RVMC–15 plus.

A cost-effective opportunity for customers to bring their tried-and-tested machinery up to the latest state of the art.

## New control concept

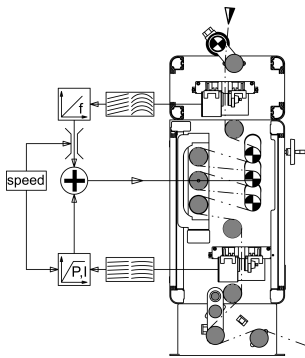


Fig. 3: The AI control system combines both control loops

## Feed Forward and Closed Loop Control at the same time!

The Orthopac RVMC–20 plus combines two overlapping control circuits.

### Feed Forward Control (Inlet)

A scanning system at the inlet recognises distortion fluctuations before they reach the straightening rollers. After a distortion change, the rollers are immediately correctly positioned and continuously controlled according to the incoming distortion. Straightening takes place from the first centimetre.

### Closed Loop Control (Outlet)

A scanning system located at the exit of the device detects the distortion at the outlet of the weft straightener. AI-based algorithms calculate the readings in real time, together with the information from the first scan. This ensures that the straightening rollers are always optimally positioned. The interaction of all components ensures outstanding straightening results.



### Product highlights

- Combination of Feed Forward and Closed Loop Control
- AI-based control system
- Reliable standard components



### Customer benefits

- Precise control with high distortion dynamics
- Savings on raw materials
- Sustainable production through upcycling of existing machines
- Increased efficiency