



SINCE 1962
Coated Abrasives Conversion Equipment
made in Switzerland

Flexing machine for jumbo rolls type FCS

The flexing machine type FCS enables highly efficient flexing of jumbo rolls. With our long-term proven and space-saving flexing system an optimal flexing effect can be reached (diagonally, longitudinally and in cross direction). With the precisely adjustable flexing pressure and the different flex bars, all common materials can be handled.



Flexing machine type FCS-390

In the picture: special version with options like splice table, length measuring device, knife flex device, humidification system as well as automatic web tension

- » Several standard roll widths
1650 mm, 1850 mm, 2150 mm
- » For rolls up to \varnothing 1400 mm
- » Variable speed drive 8 ... 80 m/min.
- » Built-in spiral flex bars and round grooved flex bars of your choice
- » Element construction
(unwinding / flex cell / rewinding)
- » Several options available like
humidification system, length slitter,
web tension and splice table



Flex cylinder with knife flex



Lateral removal of the flex bars
(the flex bars can also be removed from above)

Unwinding/Rewinding

- Unwinding and rewinding for rolls up to \varnothing 1400 mm.
- Pneumatically adjustable unwind brake (automatically or manually).
- Unwinding and rewinding with various systems possible:
 - with square shaft 40/40 mm or with square shaft 32/32 mm
 - with pneumatically expandable unwind shaft for cores with \varnothing 75 mm, supported in two safety chucks.
- Rewind drive with electronic torque control (600 Nm as standard, up to 1000 Nm on request). Reversible, for winding with grain outside or inside).
- Automatic edge guiding system (optionally available).
- Automatic and contactless brake control depending on roll diameter (optionally available).
- Splice table and automatic web control (available on request).

Flex station

- Easily replaceable rubber coated flex cylinder (approx. \varnothing 320 mm).
- Easily changeable flex bars in a large choice
(round grooved, spiral or non-grooved flex bars). Further information can be found on the separate flyer for flex bars.
- High-precision control of flexing pressure for each flex beam individually.
- Knife flex device in front of the flex station for cross direction flex (available on request).

Options

- Automatic edge guiding system.
- Length measuring device.
- Automatic and contactless brake control depending on roll diameter.
- Length slitter for trimming the edges.
- Two trim-cut winders up to a maximum width of 150 mm.
- Built-in humidification system.
- Knife flex device in front of the flex station for cross direction flex.
- Automatic web tension by load cells.
- Splice table with manual cross cutter for splicing two jumbo rolls or for easier feeding of the material from the second roll.