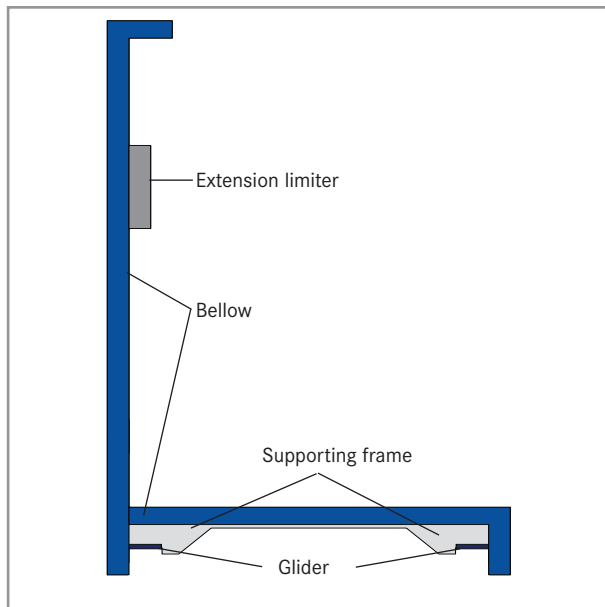


COVERS FOR MOVING COLUMN MACHINES

These machines with their large travel and working space areas require a special solution. For the workspace area, both backwall systems and large bellows with or without lamellas are suitable.



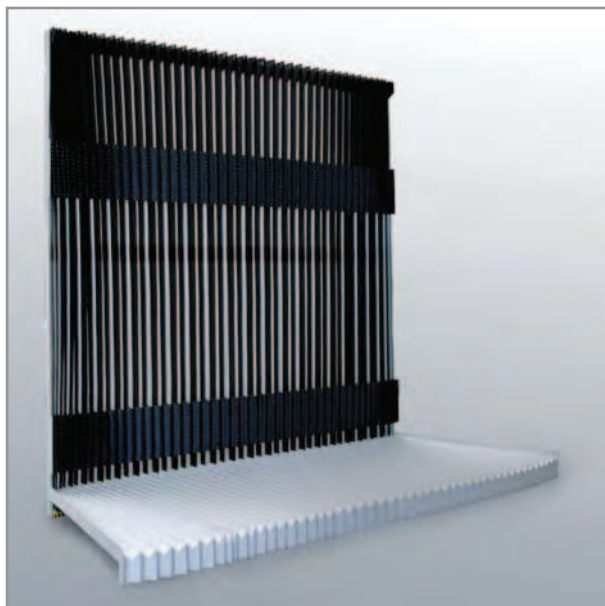
Typical backwall cover

Depending on the machine type and its concept two design principles are applicable:

- Column type cover
- Venetian blind type

Column type cover

This design principle is used if a guiding rail is not possible. The column milling cover type is L-shaped and runs on gliders.



Cover for column miller used for medical applications

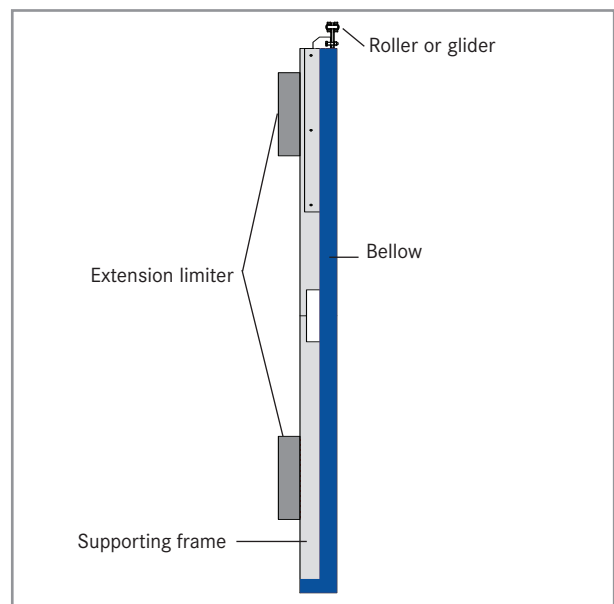
Venetian blind type

If a guiding frame is available, the bellow can be supported using profiles, roller or rail systems.

The guiding system has been successfully tested on a high speed test machine at the PTW under worst conditions. Over one million cycles were recorded.



Venetian blind type cover with SAMURAI Bellows for moving column machine



Design of venetian blind cover